

GARGANTUA 8 JAVASCRIPT PUBLIC APIs

GARGANTUA 8 SCRIPTING APIs

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SCRIPTING API

PACKAGE COM.SIATEL.SCRIPTING.FRAMEWORK

CLASSES

ADMINSCRIPTING

```
public class AdminScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning administration functionalities. The methods in this class are bound to the JavaScript `Admin` namespace object's methods and properties.

Author :

victorc

Constructor summary :

Constructor
AdminScripting ()
AdminScripting (Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public final void	readDatabase (NativeJavaObject object, NativeJavaObject flags)
public final void	enumerateDatabases (NativeJavaObject list, NativeJavaObject flags)
public final void	enumerateDatabasesOffsetCount (NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public final java.lang.String	idOfDatabase (java.lang.String label)
public final void	createUser (NativeJavaObject object)
public final void	readUser (NativeJavaObject object, NativeJavaObject flags)
public final void	updateUser (NativeJavaObject object, NativeJavaObject flags)
public final void	deleteUser (java.lang.String userId)

public final void	enumerateUsers (java.lang.Object criteria, NativeJavaObject list, NativeJavaObject flags)
public final void	enumerateUsersOffsetCount (java.lang.Object criteria, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public final java.lang.String	idOfUser (java.lang.String label)
public final void	createGroup (NativeJavaObject object)
public final void	readGroup (NativeJavaObject object, NativeJavaObject flags)
public final void	updateGroup (NativeJavaObject object, NativeJavaObject flags)
public final void	deleteGroup (java.lang.String groupId)
public final void	enumerateGroups (java.lang.Object criteria, NativeJavaObject list, NativeJavaObject flags)
public final void	enumerateGroupsOffsetCount (java.lang.Object criteria, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public final java.lang.String	idOfGroup (java.lang.String label)
public final void	createRole (NativeJavaObject object)
public final void	readRole (NativeJavaObject object, NativeJavaObject flags)
public final void	updateRole (NativeJavaObject object, NativeJavaObject flags)
public final void	deleteRole (java.lang.String roleId)
public final void	enumerateRoles (java.lang.Object criteria, NativeJavaObject list, NativeJavaObject flags)
public final void	enumerateRolesOffsetCount (java.lang.Object criteria, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public final java.lang.String	idOfRole (java.lang.String label)
public final void	enumeratePortal (NativeJavaObject criteria, NativeJavaObject list, NativeJavaObject flags)
public final void	enumeratePortalOffsetCount (NativeJavaObject criteria, NativeJavaObject list, NativeJavaObject

	flags, int offset, int count)
public final java.lang.String	idOfPortal (java.lang.String label)
public final void	readPlanner (NativeJavaObject object, NativeJavaObject flags)
public final void	enumeratePlanner (NativeJavaObject criteria, NativeJavaObject list, NativeJavaObject flags, Integer offset, Integer count)
public final void	enumerateStorages (NativeJavaObject criteria, NativeJavaObject list, NativeJavaObject flags)
public final void	enumerateStoragesOffsetCount (NativeJavaObject criteria, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public final java.lang.String	idOfStorage (java.lang.String label)
public final void	createResource (NativeJavaObject object)
public final void	readResource (NativeJavaObject object, NativeJavaObject flags)
public final void	updateResource (NativeJavaObject object, NativeJavaObject flags)
public final void	deleteResource (java.lang.String resourceId)
public final void	enumerateResource (NativeJavaObject criteria, NativeJavaObject list, NativeJavaObject flags)
public final void	enumerateResourceOffsetCount (NativeJavaObject criteria, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public final java.lang.String	idOfResource (java.lang.String label)
public final java.lang.String	idOfCertificate (java.lang.String label)
public final void	setObjectExtendedProperty (java.lang.String objectId, java.lang.String propertyKey, NativeJavaObject propertyType, NativeJavaObject propertyValue)
public final java.lang.Object	getObjectExtendedProperty (java.lang.String objectId, java.lang.String propertyKey)
public final void	enumerateExtendedPropertyForObject

	(NativeJavaObject map, java.lang.String objectId)
public final RegistryEntry	setRegistryEntry (java.lang.String userId, java.lang.String resourceId, java.lang.String key, java.lang.String value)
public final java.lang.String	getRegistryEntry (java.lang.String userId, java.lang.String resourceId, java.lang.String key)
public final void	deleteRegistryEntry (java.lang.String userId, java.lang.String resourceId, java.lang.String key)
public final void	enumerateRegistryEntries (NativeJavaObject list, java.lang.String userId, java.lang.String resourceId)
public final void	enumeratePositions (java.lang.Object criteria, NativeJavaObject list, NativeJavaObject flags, java.lang.Integer offset, java.lang.Integer count)
public final void	createPosition (NativeJavaObject object)
public final void	readPosition (NativeJavaObject object, NativeJavaObject flags)
public final void	updatePosition (NativeJavaObject object, NativeJavaObject flags)
public final void	deletePosition (java.lang.String objectId)
public final void	getSuperiors (java.lang.Object objectOrId, NativeJavaObject list)

Constructor detail :

```
public AdminScripting ()
```

Default constructor.

```
public AdminScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public final void readDatabase (NativeJavaObject object,  
NativeJavaObject flags)
```

[Database](#) lazy-load.

JS call:

```
Admin.readDatabase(object, flags)
```

Parameters :

object - wrapped [Database](#) object to initialize. Must have the id set

flags - wrapped [Long](#) value specifying [Database](#) fields to initialize

Throws :

SiatelException - wrapped error

```
public final void enumerateDatabases (NativeJavaObject list,
NativeJavaObject flags)
```

[Database](#) enumeration. All databases are returned.

JS call:

```
Admin.enumerateDatabases(list, flags)
```

Parameters :

list - wrapped [List](#) to fill by this method with database objects

flags - wrapped [Long](#) value specifying [Database](#) fields to initialize for enumeration results

Throws :

SiatelException - wrapped error

```
public final void enumerateDatabasesOffsetCount (NativeJavaObject list,
NativeJavaObject flags, int offset, int count)
```

Database enumeration with offset and count.

Parameters :

list - wrapped [List](#) to fill by this method with database objects

flags - wrapped [Long](#) value specifying [Database](#) fields to initialize for enumeration results

offset - enumeration offset

count - enumeration count

Throws :

SiatelException - wrapped error

```
public final String idOfDatabase (String label)
```

Get the id of a database based on it's name.

JS call:

```
Admin.idOfDatabase (name)
```

Parameters :

label - the name of the database

Returns :

the id of the database. null if database of specified name does not exist

Throws :

SiatelException - wrapped error

```
public final void createUser (NativeJavaObject object)
```

Create a [User](#) object.

JS call:

```
Admin.createUser (object)
```

Parameters :

object - wrapped [User](#) object to create

Throws :

SiatelException - wrapped error

```
public final void readUser (NativeJavaObject object, NativeJavaObject flags)
```

[User](#) lazy-load.

JS call:

```
Admin.readUser (object, flags)
```

Parameters :

object - wrapped [User](#) object to initialize. Must have the id set

flags - wrapped [Long](#) value specifying [User](#) fields to initialize

Throws :

SiatelException - wrapped error

```
public final void updateUser (NativeJavaObject object, NativeJavaObject flags)
```

[User](#) update.

JS call:

```
Admin.updateUser(object, flags)
```

Parameters :

object - wrapped [User](#) object to update. Must have the id set

flags - wrapped [Long](#) value specifying [User](#) fields to persist

Throws :

SiatelException - wrapped error

```
public final void deleteUser (String userId)
```

[User](#) delete.

JS call:

```
Admin.deleteUser(userId)
```

Parameters :

userId - id of user to delete

Throws :

SiatelException - wrapped error

```
public final void enumerateUsers (Object criteria, NativeJavaObject list, NativeJavaObject flags)
```

[User](#) enumeration using criteria.

JS call:

```
Admin.enumerateUsers(criteria, list, flags)
```

Parameters :

criteria - a [String](#) role or group id, a [Role](#) object, a [Group](#) object or a wrapped `List<String>` containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_USERS](#) for supported 'list' criteria format.

list - wrapped [List](#) to fill by this method with [User](#) objects

flags - wrapped [Long](#) value specifying [User](#) fields to initialize for enumeration results

Throws :

SiatelException - wrapped error

```
public final void enumerateUsersOffsetCount (Object criteria, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
```

[User](#) enumeration using criteria, offset and count.

JS call:

```
Admin.enumerateUsersOffsetCount(criteria, list, flags, offset, count)
```

Parameters :

criteria - a [String](#) role or group id, a [Role](#) object, a [Group](#) object or a wrapped `List<String>` containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_USERS](#) for supported 'list' criteria format.

list - wrapped [List](#) to fill by this method with [User](#) objects

flags - wrapped [Long](#) value specifying [User](#) fields to initialize for enumeration results

offset - enumeration start offset

count - maximum number of objects to return

Throws :

`SiateException` - wrapped error

```
public final String idOfUser (String label)
```

Get the id of a user based on it's name.

JS call:

```
Admin.idOfUser(label)
```

Parameters :

label - the user (account) name

Returns :

the id of the user

Throws :

`SiateException` - wrapped error

```
public final void createGroup (NativeJavaObject object)
```

Create a [Group](#) object.

JS call:

```
Admin.createGroup(object)
```

Parameters :

object - wrapped [Group](#) object to create

Throws :

`SiatelException` - wrapped error

```
public final void readGroup (NativeJavaObject object, NativeJavaObject flags)
```

[Group](#) lazy-load.

JS call:

```
Admin.readGroup(object, flags)
```

Parameters :

`object` - wrapped [Group](#) object to initialize. Must have the `id` set

`flags` - wrapped [Long](#) value specifying [Group](#) fields to initialize

Throws :

`SiatelException` - wrapped error

```
public final void updateGroup (NativeJavaObject object, NativeJavaObject flags)
```

[Group](#) update.

JS call:

```
Admin.updateGroup(object, flags)
```

Parameters :

`object` - wrapped [Group](#) object to persist. Must have the `id` set

`flags` - wrapped [Long](#) value specifying [Group](#) fields to persist

Throws :

`SiatelException` - wrapped error

```
public final void deleteGroup (String groupId)
```

[Group](#) delete.

JS call:

```
Admin.deleteGroup(groupId)
```

Parameters :

`groupId` - id of Group to delete

Throws :

`SiatelException` - wrapped error

```
public final void enumerateGroups (Object criteria, NativeJavaObject list, NativeJavaObject flags)
```

[Group](#) enumeration using criteria.

JS call:

```
Admin.enumerateGroups(criteria, list, flags)
```

Parameters :

criteria - a [String](#) role or user id, a [Role](#) object, a [User](#) object or a wrapped `List<String>` containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_GROUPS](#) for supported 'list' criteria format.

list - wrapped [List](#) to fill by this method with [Group](#) objects

flags - wrapped [Long](#) value specifying [Group](#) fields to initialize for enumeration results

Throws :

`SiatelException` - wrapped error

```
public final void enumerateGroupsOffsetCount (Object criteria, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
```

[Group](#) enumeration using criteria, offset and count.

JS call:

```
Admin.enumerateGroupsOffsetCount(criteria, list, flags, offset, count)
```

Parameters :

criteria - a [String](#) role or user id, a [Role](#) object, a [User](#) object or a wrapped `List<String>` containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_GROUPS](#) for supported 'list' criteria format.

list - wrapped [List](#) to fill by this method with [Group](#) objects

flags - wrapped [Long](#) value specifying [Group](#) fields to initialize for enumeration results

offset - enumeration start offset

count - maximum number of objects to return

Throws :

`SiatelException` - wrapped error

```
public final String idOfGroup (String label)
```

Get the id of a group based on it's name.

JS call:

```
Admin.idOfGroup (label)
```

Parameters :

label - the group name

Returns :

the id of the group

Throws :

SiatelException - wrapped error

```
public final void createRole (NativeJavaObject object)
```

Create a [Role](#) object.

JS call:

```
Admin.createRole (object)
```

Parameters :

object - wrapped [Role](#) object to create

Throws :

SiatelException - wrapped error

```
public final void readRole (NativeJavaObject object, NativeJavaObject flags)
```

[Role](#) lazy-load.

JS call:

```
Admin.readRole (object, flags)
```

Parameters :

object - wrapped [Role](#) object to initialize. Must have the id set

flags - wrapped [Long](#) value specifying [Role](#) fields to initialize

Throws :

SiatelException - wrapped error

```
public final void updateRole (NativeJavaObject object, NativeJavaObject flags)
```

[Role](#) update.

JS call:

```
Admin.updateRole(object, flags)
```

Parameters :

object - wrapped [Role](#) object to persist. Must have the id set

flags - wrapped [Long](#) value specifying [Role](#) fields to persist

Throws :

SiatelException - wrapped error

```
public final void deleteRole (String roleId)
```

[Role](#) delete.

JS call:

```
Admin.deleteRole(roleId)
```

Parameters :

roleId - id of Role to delete

Throws :

SiatelException - wrapped error

```
public final void enumerateRoles (Object criteria, NativeJavaScript list, NativeJavaScript flags)
```

[Role](#) enumeration using criteria.

JS call:

```
Admin.enumerateRoles(criteria, list, flags)
```

Parameters :

criteria - a [String](#) group or user id, a [Group](#) object, a [User](#) object or a wrapped `List<String>` containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_ROLES](#) for supported 'list' criteria format.

list - wrapped [List](#) to fill by this method with [Role](#) objects

flags - wrapped [Long](#) value specifying [Role](#) fields to initialize for enumeration results

Throws :

SiatelException - wrapped error

```
public final void enumerateRolesOffsetCount (Object criteria, NativeJavaScript list, NativeJavaScript flags, int offset, int count)
```

[Role](#) enumeration using criteria, offset and count.

JS call:

```
Admin.enumerateRolesOffsetCount(criteria, list, flags, offset, count)
```

Parameters :

`criteria` - a [String](#) group or user id, a [Group](#) object, a [User](#) object or a wrapped `List<String>` containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_ROLES](#) for supported 'list' criteria format.

`list` - wrapped [List](#) to fill by this method with [Role](#) objects

`flags` - wrapped [Long](#) value specifying [Role](#) fields to initialize for enumeration results

`offset` - enumeration start offset

`count` - maximum number of objects to return

Throws :

`SiatelException` - wrapped error

```
public final String idOfRole (String label)
```

Get the id of a role based on it's name.

JS call:

```
Admin.idOfRole(label)
```

Parameters :

`label` - the role name

Returns :

the id of the role

Throws :

`SiatelException` - wrapped error

```
public final void enumeratePortal (NativeJavaObject criteria,
NativeJavaObject list, NativeJavaObject flags)
```

[Portal](#) enumeration using criteria.

JS call:

```
Admin.enumeratePortal(criteria, list, flags)
```

Parameters :

`criteria` - wrapped `List<String>` containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_PORTALS](#) for supported criteria.

list - wrapped [List](#) to fill by this method with [Portal](#) objects

flags - wrapped [Long](#) value specifying [Portal](#) fields to initialize for enumeration results.

Throws :

SiatelException - wrapped error

```
public final void enumeratePortalOffsetCount (NativeJavaObject criteria,
NativeJavaObject list, NativeJavaObject flags, int offset, int count)
```

[Portal](#) enumeration using criteria, offset and count.

JS call:

```
Admin.enumeratePortalOffsetCount(criteria, list, flags, offset, count)
```

Parameters :

criteria - wrapped `List<String>` containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_PORTALS](#) for supported criteria.

list - wrapped [List](#) to fill by this method with [Portal](#) objects

flags - wrapped [Long](#) value specifying [Portal](#) fields to initialize for enumeration results.

offset - enumeration start offset

count - maximum number of objects to return

Throws :

SiatelException - wrapped error

```
public final String idOfPortal (String label)
```

Get the id of a portal based on it's name

JS call:

```
Admin.idOfPortal(label)
```

Parameters :

label - the portal name

Returns :

the id of the portal

Throws :

SiatelException - wrapped error

```
public final void readPlanner (NativeJavaObject object, NativeJavaObject
```

```
flags)
```

[Planner](#) lazy-load.

JS call:

```
Admin.readPlanner(object, flags)
```

Parameters :

object - wrapped [Planner](#) object to initialize. Must have the id or label set

flags - wrapped [Long](#) value specifying [Planner](#) fields to initialize

Throws :

SiateException - wrapped error

```
public final void enumeratePlanner (NativeJavaObject criteria,
NativeJavaObject list, NativeJavaObject flags, Integer offset, Integer
count)
```

[Planner](#) enumeration using criteria.

JS call:

```
Admin.enumeratePlanner(criteria, list, flags[, offset, count])
```

Parameters :

criteria - wrapped List<String> containing enumeration criteria.

list - wrapped [List](#) to fill by this method with [Planner](#) objects

flags - wrapped [Long](#) value specifying [Planner](#) fields to initialize for enumeration results.

offset - enumeration start offset

count - maximum number of objects to return

Throws :

SiateException - wrapped error

```
public final void enumerateStorages (NativeJavaObject criteria,
NativeJavaObject list, NativeJavaObject flags)
```

[Storage](#) enumeration using criteria.

JS call:

```
Admin.enumerateStorage(criteria, list, flags)
```

Parameters :

criteria - wrapped List<String> containing enumeration criteria. See

[AdministrationLibrary#CMD_ENUMERATE_STORAGES](#) for supported criteria.

`list` - wrapped [List](#) to fill by this method with [Storage](#) objects

`flags` - wrapped [Long](#) value specifying [Storage](#) fields to initialize for enumeration results

Throws :

`SiatelException` - wrapped error

```
public final void enumerateStoragesOffsetCount (NativeJavaObject
criteria, NativeJavaObject list, NativeJavaObject flags, int offset, int
count)
```

[Storage](#) enumeration using criteria, offset and count.

JS call:

```
Admin.enumerateStorage(criteria, list, flags, offset, count)
```

Parameters :

`criteria` - wrapped `List<String>` containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_STORAGES](#) for supported criteria.

`list` - wrapped [List](#) to fill by this method with [Storage](#) objects

`flags` - wrapped [Long](#) value specifying [Storage](#) fields to initialize for enumeration results

`offset` - an enumeration start offset

`count` - a maximum number of objects to return

Throws :

`SiatelException` - wrapped error

```
public final String idOfStorage (String label)
```

Get the id of a storage area based on it's name

JS call:

```
Admin.idOfStorage(label)
```

Parameters :

`label` - the storage area name

Returns :

the id of the storage area

Throws :

`SiatelException` - wrapped error

```
public final void createResource (NativeJavaObject object)
```

Create a [Resource](#) object

JS call:

```
Admin.createResource(object)
```

Parameters :

object - wrapped [Resource](#) object to create

Throws :

SiatelException - wrapped error

```
public final void readResource (NativeJavaObject object,  
NativeJavaObject flags)
```

[Resource](#) lazy-load.

JS call:

```
Admin.readResource(object, flags)
```

Parameters :

object - wrapped [Resource](#) object to initialize. Must have the id set

flags - wrapped [Long](#) value specifying [Resource](#) fields to initialize

Throws :

SiatelException - wrapped error

```
public final void updateResource (NativeJavaObject object,  
NativeJavaObject flags)
```

[Resource](#) update.

JS call:

```
Admin.updateResource(object, flags)
```

Parameters :

object - wrapped [Resource](#) object to persist. Must have the id set

flags - wrapped [Long](#) value specifying [Resource](#) fields to persist

Throws :

SiatelException - wrapped error

```
public final void deleteResource (String resourceId)
```

[Resource](#) delete.

JS call:

```
Admin.deleteResource(resourceId)
```

Parameters :

resourceId - id of Resource to delete

Throws :

SiatelException - wrapped error

```
public final void enumerateResource (NativeJavaObject criteria,  
NativeJavaObject list, NativeJavaObject flags)
```

[Resource](#) enumeration using criteria.

JS call:

```
Admin.enumerateResource(criteria, list, flags)
```

Parameters :

criteria - wrapped List<String> containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_RESOURCES](#) for supported criteria.

list - wrapped [List](#) to fill by this method with [Resource](#) objects

flags - wrapped [Long](#) value specifying [Resource](#) fields to initialize for enumeration results

Throws :

SiatelException - wrapped error

```
public final void enumerateResourceOffsetCount (NativeJavaObject  
criteria, NativeJavaObject list, NativeJavaObject flags, int offset, int  
count)
```

[Resource](#) enumeration using criteria, offset and count

JS call:

```
Admin.enumerateResource(criteria, list, flags, offset, count)
```

Parameters :

criteria - wrapped List<String> containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_RESOURCES](#) for supported criteria.

list - wrapped [List](#) to fill by this method with [Resource](#) objects

flags - wrapped [Long](#) value specifying [Resource](#) fields to initialize for enumeration results

offset - an enumeration start offset

count - a maximum number of objects to return

Throws :

SiateException - wrapped error

```
public final String idOfResource (String label)
```

Get the id of a resource based on it's name

JS call:

```
Admin.idOfResource(label)
```

Parameters :

label - the resource name

Returns :

the id of the resource

Throws :

SiateException - wrapped error

```
public final String idOfCertificate (String label)
```

Get the id of a certificate based on it's name

JS call:

```
Admin.idOfCertificate(label)
```

Parameters :

label - the certificate name

Returns :

the id of the certificate

Throws :

SiateException - wrapped error

```
public final void setObjectExtendedProperty (String objectId, String  
propertyKey, NativeJavaObject propertyType, NativeJavaObject  
propertyValue)
```

Set an extended property

JS call:

```
Admin.setObjectExtendedProperty(objectId, propertyKey, propertyType,  
propertyValue)
```

Parameters :

objectId - the id of the object for which the property is added

propertyKey - the key of the property

propertyType - the type of the property value. See [Types](#) for details.

propertyValue - the value of the property

Throws :

SiatelException - wrapped error

```
public final Object getObjectExtendedProperty (String objectId, String
propertyKey)
```

Get an extended property value

JS call:

```
var propVal = Admin.getObjectExtendedProperty(objectId, propertyKey)
```

Parameters :

objectId - the id of the object

propertyKey - the key of the property

Returns :

wrapped [Object](#) containing the value of the property

Throws :

SiatelException - wrapped error

```
public final void enumerateExtendedPropertyForObject (NativeJavaObject
map, String objectId)
```

Extended property enumeration for a certain object.

JS call:

```
Admin.enumerateExtendedPropertyForObject (map, objectId)
```

Parameters :

map - wrapped [Map](#) to fill by this method with (key, value) pairs

objectId - wrapped [String](#) specifying the id of the object whose properties are enumerated

Throws :

SiatelException - wrapped error

```
public final RegistryEntry setRegistryEntry (String userId, String
resourceId, String key, String value)
```

Assign some alphanumeric (string) data to a resource (database, folder, document etc) in the context of a specific user.

Parameters :

`userId` - the id of the user to whom the registry key belongs. Use [Constants#SYSTEM](#) for entries that are not to be used in the context of a user session

`resourceId` - the resource targeted by the registry key

`key` - the registry key (a string identifying the persistent data)

`value` - the data to store (string)

Returns :

a [RegistryEntry](#) object containing all the data received on input

Throws :

`SiatelException` -

```
public final String getRegistryEntry (String userId, String resourceId,
String key)
```

Read some previously assigned resource data, based on user context, resource id and key.

Parameters :

`userId` - the id of the user whose context is to be used for reading the data

`resourceId` - the targeted resource

`key` - the registry entry identification key

Returns :

the string data previously assigned, `null` if not existing

Throws :

`SiatelException` - wrapped error

```
public final void deleteRegistryEntry (String userId, String resourceId,
String key)
```

Delete some previously assigned resource data, based on user context, resource id and key.

Parameters :

`userId` - the id of the user whose context is to be used for deleting the data

resourceId - the targeted resource

key - the registry entry identification key

Throws :

SiatelException - wrapped error

```
public final void enumerateRegistryEntries (NativeJavaObject list,
String userId, String resourceId)
```

List the registry entries for a given resource, based on user context.

Parameters :

list - the [java.util.List](#) to fill with [RegistryEntry](#) objects

userId - the id of the user whose context is to be used for listing the data

resourceId - the targeted resource

Throws :

SiatelException - wrapped error

```
public final void enumeratePositions (Object criteria, NativeJavaObject
list, NativeJavaObject flags, Integer offset, Integer count)
```

Orgchart [Position](#) enumeration using criteria, offset and count.

JS call:

```
Admin.enumeratePositions(criteria, list, flags, offset, count)
```

Parameters :

criteria - a [String](#) user, group or role id, a [User](#) object, a [Role](#) object, a [Group](#) object or a wrapped {@code List<String>} containing enumeration criteria. See [AdministrationLibrary#CMD_ENUMERATE_POSITIONS](#) for supported 'list' criteria format

list - wrapped [List](#) to fill by this method with [Position](#) objects

flags - wrapped [Long](#) value specifying [Position](#) fields to initialize for enumeration results; optional, defaults to [Flag#POSITION_ALL](#)

offset - enumeration start offset; optional, defaults to 0

count - maximum number of objects to return; optional, defaults to 0 (which mean all objects)

Throws :

SiatelException - wrapped error

```
public final void createPosition (NativeJavaObject object)
```

Create an orgchart [Position](#) object.

JS call:

```
Admin.createPosition(object)
```

Parameters :

object - wrapped [Position](#) object to create

Throws :

SiatelException - wrapped error

```
public final void readPosition (NativeJavaObject object,  
NativeJavaObject flags)
```

Orgchart [Position](#) lazy-load.

JS call:

```
Admin.readPosition(object, flags)
```

Parameters :

object - wrapped [Position](#) object to initialize. Must have the id set

flags - wrapped [Long](#) value specifying [Position](#) fields to initialize; optional, defaults to [Flag#POSITION_ALL](#)

Throws :

SiatelException - wrapped error

```
public final void updatePosition (NativeJavaObject object,  
NativeJavaObject flags)
```

Orgchart [Position](#) update.

JS call:

```
Admin.updatePosition(object, flags)
```

Parameters :

object - wrapped [Position](#) object to update; must have the id set

flags - wrapped [Long](#) value specifying [Position](#) fields to persist

Throws :

SiatelException - wrapped error

```
public final void deletePosition (String objectId)
```

Orgchart [Position](#) delete.

JS call:

```
Admin.deletePosition(objectId)
```

Parameters :

`objectId` - id of position to delete

Throws :

`SiatelException` - wrapped error

```
public final void getSuperiors (Object objectId, NativeJavaObject  
list)
```

Orgchart [Position](#) get superior list.

JS call:

```
Admin.getSuperiors(objectId, list)
```

Parameters :

`objectId` - id of position to query for superior or position itself

`list` - list object to fill with positions that match criteria

Throws :

`SiatelException` - wrapped error

AUDITSCRIPTING

```
public class AuditScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning audit functionalities. The methods in this class are bound to the JavaScript `Audit` namespace object's methods and properties.

Constructor summary :

Constructor
AuditScripting ()
AuditScripting (Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public AuditEntry	newEntry ()
public void	logEntry (NativeJavaObject entry)
public void	log (java.lang.String resourceId, java.lang.String resourceName, int operation, int result, int duration)

Constructor detail :

```
public AuditScripting ()
```

Default constructor.

```
public AuditScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public AuditEntry newEntry ()
```

Create an audit entry with 'system'-user identification.

JS call:

```
Audit.newEntry()
```

Returns :

an [AuditEntry](#) object having timestamp set to current time and user identification set to 'system'.
This object is not yet persisted and is to be used with `Audit.logEntry(entry)`.

```
public void logEntry (NativeJavaObject entry)
```

Persist an [AuditEntry](#) object obtained using `Audit.newEntry()` and populated with targeted object and operation data (id, label, operation code, result and duration).

JS call:

```
Audit.logEntry(entry)
```

Parameters :

`entry` - the [AuditEntry](#) object to persist

Throws :

`SiatelException` - wrapped error

```
public void log (String resourceId, String resourceName, int operation,  
int result, int duration)
```

Create an audit entry for given resource specifying operation code, result and duration.

JS call:

```
Audit.log(resourceId, resourceName, operation, result, duration)
```

Parameters :

`resourceId` - the id of the resource to be audited

`resourceName` - the name of the resource to be audited

`operation` - the code of the operation performed

`result` - the result of the operation

`duration` - the duration (in milliseconds) of the operation audited

Throws :

`SiatelException` - wrapped error

DESIGNSCRIPTING

```
public class DesignScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning design functionalities. The methods in this class are bound to the JavaScript `design` namespace object's methods and properties.

Author :

victorc

Constructor summary :

Constructor
DesignScripting ()
DesignScripting (Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public void	readAttribute (NativeJavaObject object, NativeJavaObject flags)
public void	readAttributeByLabel (NativeJavaObject object, NativeJavaObject flags, java.lang.String databaseId)
public void	enumerateAttributes (java.lang.String databaseId, NativeJavaObject list, NativeJavaObject flags)
public java.lang.String	idOfAttr (java.lang.String label, java.lang.String databaseId)
public java.lang.String	typeIdOfAttr (java.lang.String attrId)
public void	readForm (NativeJavaObject object, NativeJavaObject flags)
public void	readFormByLabel (NativeJavaObject object, NativeJavaObject flags, java.lang.String databaseId)
public void	enumerateForms (java.lang.String databaseId, NativeJavaObject list, NativeJavaObject flags)
public java.lang.String	idOfForm (java.lang.String label, java.lang.String databaseId)

public java.lang.String	idOfProcDef (java.lang.String label, java.lang.String databaseId)
public void	readType (NativeJavaObject object, NativeJavaObject flags)
public void	readTypeByLabel (NativeJavaObject object, NativeJavaObject flags, java.lang.String databaseId)
public void	enumerateTypes (java.lang.String databaseId, NativeJavaObject list, NativeJavaObject flags)
public java.lang.String	idOfType (java.lang.String label, java.lang.String databaseId)
public void	readGrid (NativeJavaObject object, NativeJavaObject flags)
public void	readGridByLabel (NativeJavaObject object, NativeJavaObject flags, java.lang.String databaseId)
public java.lang.String	idOfGrid (java.lang.String label, java.lang.String databaseId)
public void	readEntity (NativeJavaObject object, NativeJavaObject flags)
public void	readEntityByLabel (NativeJavaObject object, NativeJavaObject flags, java.lang.String databaseId)
public java.lang.String	idOfEntity (java.lang.String label, java.lang.String databaseId)
public java.lang.String	idOfSecurityProfile (java.lang.String label, java.lang.String databaseId)
public void	readSecurityProfile (NativeJavaObject object, NativeJavaObject flags)
public void	enumerateSecurityProfiles (java.lang.String databaseId, NativeJavaObject list, NativeJavaObject flags)
public java.lang.Object	getMailTemplateContent (java.lang.String mailTemplateId, java.lang.String language)
public java.lang.Object	getMailTemplateContentEx (java.lang.String mailTemplateId, java.lang.String language, java.lang.Boolean allowUnlocalizedContent)
public void	readDocumentTemplate (NativeJavaObject object,

	NativeJavaObject flags)
public void	readDocumentTemplateByLabel (NativeJavaObject object, NativeJavaObject flags, java.lang.String databaseId)
public void	enumerateDocumentTemplates (java.lang.String databaseId, NativeJavaObject list, NativeJavaObject flags)
public java.lang.String	idOfDocumentTemplate (java.lang.String label, java.lang.String databaseId)
public void	readMailTemplate (NativeJavaObject object, NativeJavaObject flags, java.lang.String language)
public void	readMailTemplateByLabel (NativeJavaObject object, NativeJavaObject flags, java.lang.String databaseId)
public long	fetchCounter (java.lang.String objectId, java.lang.String attributeId)
public java.lang.Object	getLocalizedLabel (java.lang.String objectId, java.lang.String language)
public void	read (NativeJavaObject object, NativeJavaObject flags)

Constructor detail :

```
public DesignScripting ()
```

Default constructor.

```
public DesignScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public void readAttribute (NativeJavaObject object, NativeJavaObject flags)
```

[Attribute](#) lazy-load.

JS call:

```
Design.readAttribute(object, flags)
```

Parameters :

object - wrapped [Attribute](#) object to initialize with data; the id field must be set

flags - wrapped [Long](#) value specifying the object fields to initialize with data

Throws :

SiatelException - wrapped error

```
public void readAttributeByLabel (NativeJavaObject object,  
NativeJavaObject flags, String databaseId)
```

[Attribute](#) lazy-load using the object name as key.

JS call:

```
Design.readAttributeByLabel(object, flags, databaseId)
```

Parameters :

object - [Attribute](#) object to initialize; the label field must be set

flags - [Long](#) value specifying the object fields to initialize with data

databaseId - [String](#) value specifying the id of the database containing the attribute

Throws :

SiatelException - wrapped error

```
public void enumerateAttributes (String databaseId, NativeJavaObject  
list, NativeJavaObject flags)
```

List [Attribute](#) objects contained in a database.

JS call:

```
Design.enumerateAttributes(databaseId, list, flags)
```

Parameters :

databaseId - [String](#) the id of database from which attributes are listed

list - [List](#) the list to fill with attributes

flags - [Long](#) value specifying the listed objects' fields to initialize with data

Throws :

SiatelException - wrapped error

```
public String idOfAttr (String label, String databaseId)
```

Get the id of an attribute based on it's name and containing database.

JS call:

```
Design.idOfAttr (name, databaseId)
```

Parameters :

label - [String](#) the name of the attribute

databaseId - [String](#) the id of the database

Returns :

the id of the attribute. `null` if attribute of specified name does not exist

Throws :

`SiatelException` - wrapped error

```
public String typeIdOfAttr (String attrId)
```

Get the type id of an attribute based on it's id.

JS call:

```
Design.typeIdOfAttr (attrId)
```

Parameters :

attrId - the id of the attribute

Returns :

the type id of the attribute. `null` if specified attribute does not exist

Throws :

`SiatelException` - wrapped error

```
public void readForm (NativeJavaObject object, NativeJavaObject flags)
```

[Form](#) lazy-load.

JS call:

```
Design.readForm (object, flags)
```

Parameters :

object - wrapped [Form](#) object to initialize with data; the id field must be set

flags - wrapped [Long](#) value specifying the object fields to initialize with data

Throws :

`SiatelException` - wrapped error

```
public void readFormByLabel (NativeJavaObject object, NativeJavaObject flags, String databaseId)
```

[Form](#) lazy-load using the object name as key.

JS call:

```
Design.readFormByLabel(object, flags, databaseId)
```

Parameters :

object - [Form](#) object to initialize; the label field must be set

flags - [Long](#) value specifying the object fields to initialize with data

databaseId - [String](#) value specifying the id of the database containing the form

Throws :

SiatelException - wrapped error

```
public void enumerateForms (String databaseId, NativeJavaObject list, NativeJavaObject flags)
```

List [Form](#) objects contained in a database.

JS call:

```
Design.enumerateForms(databaseId, list, flags)
```

Parameters :

databaseId - [String](#) the id of database from which forms are listed

list - [List](#) the list to fill with forms

flags - [Long](#) value specifying the listed objects' fields to initialize with data

Throws :

SiatelException - wrapped error

```
public String idOfForm (String label, String databaseId)
```

Get the id of a form based on it's name and containing database.

JS call:

```
Design.idOfForm(name, databaseId)
```

Parameters :

label - the name of the form

databaseId - the id of the database

Returns :

the id of the form. `null` if form of specified name does not exist

Throws :

`SiatelException` - wrapped error

```
public String idOfProcDef (String label, String databaseId)
```

Get the id of a process definition based on it's name and containing database.

JS call:

```
Design.idOfProcDef(name, databaseId)
```

Parameters :

`label` - the name of the process definition

`databaseId` - the id of the database

Returns :

the id of the process definition. `null` if process definition of specified name does not exist

Throws :

`SiatelException` - wrapped error

```
public void readType (NativeJavaObject object, NativeJavaObject flags)
```

[Type](#) lazy-load.

JS call:

```
Design.readType(object, flags)
```

Parameters :

`object` - wrapped [Type](#) object to initialize with data; the id field must be set

`flags` - wrapped [Long](#) value specifying the object fields to initialize with data

Throws :

`SiatelException` - wrapped error

```
public void readTypeByLabel (NativeJavaObject object, NativeJavaObject flags, String databaseId)
```

[Type](#) lazy-load using the object name as key.

JS call:

```
Design.readTypeByLabel(object, flags, databaseId)
```

Parameters :

object - [Type](#) object to initialize; the label field must be set

flags - [Long](#) value specifying the object fields to initialize with data

databaseId - [String](#) value specifying the id of the database containing the type

Throws :

SiateException - wrapped error

```
public void enumerateTypes (String databaseId, NativeJavaObject list,
NativeJavaObject flags)
```

List [Type](#) objects contained in a database.

JS call:

```
Design.enumerateTypes(databaseId, list, flags)
```

Parameters :

databaseId - [String](#) the id of database from which types are listed

list - [List](#) the list to fill with types

flags - [Long](#) value specifying the listed objects' fields to initialize with data

Throws :

SiateException - wrapped error

```
public String idOfType (String label, String databaseId)
```

Get the id of a type based on it's name and containing database.

JS call:

```
Design.idOfType(name, databaseId)
```

Parameters :

label - the name of the type

databaseId - the id of the database

Throws :

SiateException - wrapped error

```
public void readGrid (NativeJavaObject object, NativeJavaObject flags)
```

[Grid](#) lazy-load.

JS call:

```
Design.readGrid(object, flags)
```

Parameters :

object - wrapped [Grid](#) object to initialize with data; the id field must be set

flags - wrapped [Long](#) value specifying the object fields to initialize with data

Throws :

SiateException - wrapped error

```
public void readGridByLabel (NativeJavaObject object, NativeJavaObject
flags, String databaseId)
```

[Grid](#) lazy-load using the object name as key.

JS call:

```
Design.readGridByLabel(object, flags, databaseId)
```

Parameters :

object - [Grid](#) object to initialize; the label field must be set

flags - [Long](#) value specifying the object fields to initialize with data

databaseId - [String](#) value specifying the id of the database containing the grid

Throws :

SiateException - wrapped error

```
public String idOfGrid (String label, String databaseId)
```

Get the id of a grid based on it's name and containing database.

JS call:

```
Design.idOfGrid(name, databaseId)
```

Parameters :

label - the name of the grid

databaseId - the id of the database

Returns :

the id of the grid. null if grid of specified name does not exist

Throws :

SiateException - wrapped error

```
public void readEntity (NativeJavaObject object, NativeJavaObject flags)
```

[Entity](#) lazy-load.

JS call:

```
Design.readEntity(object, flags)
```

Parameters :

object - wrapped [Entity](#) object to initialize with data; the id field must be set

flags - wrapped [Long](#) value specifying the object fields to initialize with data

Throws :

SiatelException - wrapped error

```
public void readEntityByLabel (NativeJavaObject object, NativeJavaObject  
flags, String databaseId)
```

[Entity](#) lazy-load using the object name as key.

JS call:

```
Design.readEntityByLabel(object, flags, databaseId)
```

Parameters :

object - [Entity](#) object to initialize; the label field must be set

flags - [Long](#) value specifying the object fields to initialize with data

databaseId - [String](#) value specifying the id of the database containing the entity

Throws :

SiatelException - wrapped error

```
public String idOfEntity (String label, String databaseId)
```

Get the id of an entity based on it's name and containing database.

JS call:

```
Design.idOfEntity(label, databaseId)
```

Parameters :

label - the name of the entity

databaseId - the id of the database

Returns :

the id of the entity. null if entity of specified name does not exist

Throws :

SiatelException - wrapped error

```
public String idOfSecurityProfile (String label, String databaseId)
```

Get the id of a security profile based on it's name and containing database.

JS call:

```
Design.idOfSecurityProfile (name, databaseId)
```

Parameters :

label - the name of the security profile

databaseId - the id of the database

Returns :

the id of the security profile. null if security profile of specified name does not exist

Throws :

SiatelException - wrapped error

```
public void readSecurityProfile (NativeJavaObject object,
NativeJavaObject flags)
```

[SecurityProfile](#) lazy-load.

JS call:

```
Design.readSecurityProfile (object, flags)
```

Parameters :

object - wrapped [SecurityProfile](#) object to initialize with data; the id field must be set

flags - wrapped [Long](#) value specifying the object fields to initialize with data

Throws :

SiatelException - wrapped error

```
public void enumerateSecurityProfiles (String databaseId,
NativeJavaObject list, NativeJavaObject flags)
```

List [SecurityProfile](#) objects contained in a database.

JS call:

```
Design.enumerateSecurityProfiles (databaseId, list, flags)
```

Parameters :

databaseId - [String](#) the id of database from which security profiles are listed

list - [List](#) the list to fill with security profiles

flags - [Long](#) value specifying the listed objects' fields to initialize with data

Throws :

SiatelException - wrapped error

```
public Object getMailTemplateContent (String mailTemplateId, String language)
```

[MailTemplateContent](#) load from [MailTemplate](#) id.

JS call:

```
Design.getMailTemplateContent (mailTemplateId, language)
```

Parameters :

mailTemplateId - id of [MailTemplate](#) object whose content is requested

language - the language in which to retrieve the mail template

Returns :

The mail template content

Throws :

SiatelException - wrapped error

```
public Object getMailTemplateContentEx (String mailTemplateId, String language, Boolean allowUnlocalizedContent)
```

[MailTemplateContent](#) load from [MailTemplate](#) id.

JS call:

```
Design.getMailTemplateContentEx (mailTemplateId, language, allowUnlocalizedContent)
```

Parameters :

mailTemplateId - id of [MailTemplate](#) object whose content is requested

language - the language in which to retrieve the mail template

allowUnlocalizedContent - in case of unlocalized mail templates return same content for all languages. If not specified it is assumed `true`

Returns :

The mail template content

Throws :

SiatelException - wrapped error

```
public void readDocumentTemplate (NativeJavaObject object, NativeJavaObject flags)
```

[DocumentTemplate](#) lazy-load.

JS call:

```
Design.readDocumentTemplate(object, flags)
```

Parameters :

object - wrapped [DocumentTemplate](#) object to initialize with data; the id field must be set

flags - wrapped [Long](#) value specifying the object fields to initialize with data

Throws :

SiatelException - wrapped error

```
public void readDocumentTemplateByLabel (NativeJavaObject object,
NativeJavaObject flags, String databaseId)
```

[DocumentTemplate](#) lazy-load using the object name as key.

JS call:

```
Design.readDocumentTemplateByLabel(object, flags, databaseId)
```

Parameters :

object - [DocumentTemplate](#) object to initialize; the label field must be set

flags - [Long](#) value specifying the object fields to initialize with data

databaseId - [String](#) value specifying the id of the database containing the document template

Throws :

SiatelException - wrapped error

```
public void enumerateDocumentTemplates (String databaseId,
NativeJavaObject list, NativeJavaObject flags)
```

List [DocumentTemplate](#) objects contained in a database.

JS call:

```
Design.enumerateDocumentTemplates(databaseId, list, flags)
```

Parameters :

databaseId - [String](#) the id of database from which document templates are listed

list - [List](#) the list to fill with document templates

flags - [Long](#) value specifying the listed objects' fields to initialize with data

Throws :

SiatelException - wrapped error

```
public String idOfDocumentTemplate (String label, String databaseId)
```

Get the id of a document template based on it's name and containing database.

JS call:

```
Design.idOfDocumentTemplate(name, databaseId)
```

Parameters :

label - [String](#) the name of the document template

databaseId - [String](#) the id of the database

Returns :

the id of the document template. `null` if document template of specified name does not exist

Throws :

`SiatelException` - wrapped error

```
public void readMailTemplate (NativeJavaObject object, NativeJavaObject flags, String language)
```

[MailTemplate](#) lazy-load using the object id as key.

JS call:

```
Design.readMailTemplate(object, flags, language)
```

Parameters :

object - [MailTemplate](#) object to initialize; the id field must be set

flags - [Long](#) value specifying the object fields to initialize with data

language - [String](#) The language to retrieve

Throws :

`SiatelException` - wrapped error

```
public void readMailTemplateByLabel (NativeJavaObject object, NativeJavaObject flags, String databaseId)
```

[MailTemplate](#) lazy-load using the object name as key.

JS call:

```
Design.readMailTemplateByLabel(object, flags, databaseId)
```

Parameters :

object - [MailTemplate](#) object to initialize; the label field must be set

flags - [Long](#) value specifying the object fields to initialize with data

databaseId - [String](#) value specifying the id of the database containing the document template

Throws :

SQLException - wrapped error

```
public long fetchCounter (String objectId, String attributeId)
```

Get the next counter value for an object

JS call:

```
Design.fetchCounter(objectId, attributeId)
```

Parameters :

objectId - [String](#) The id of the object to fetch a new value from the counter

attributeId - [String](#) the id of the attribute to fetch the value from

Returns :

The fetched value from the counter. -1 if an exception has occurred

```
public Object getLocalizedLabel (String objectId, String language)
```

Get the localized label for a specific object

JS call:

```
Design.getLocalizedLabel(objectId, language)
```

Parameters :

objectId - [String](#) The id of the object that has localized labels

language - [String](#) The language to retrieve

Returns :

The localized label

Throws :

SQLException - wrapped error

```
public void read (NativeJavaObject object, NativeJavaObject flags)
```

Generic object lazy-load.

JS call:

```
Design.read(object, flags)
```

Parameters :

object - wrapped Generic object to initialize. Must have the id member set

flags - wrapped [Long](#) value specifying fields to initialize

Throws :

`SiateException` - wrapped exception object as thrown by core layer

FLOWSCRIPTING

```
public class FlowScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning workflow engine functionalities. The methods in this class are bound to the JavaScript `Flow` namespace object's methods and properties.

Author :

victorc

Constructor summary :

Constructor
FlowScripting ()
FlowScripting (Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public void	createProcess (NativeJavaObject object)
public void	readProcess (NativeJavaObject object, NativeJavaObject flags)
public void	updateProcess (NativeJavaObject object, NativeJavaObject flags)
public void	deleteProcess (java.lang.String processId)
public void	enumerateProcesses (NativeJavaObject list, NativeJavaObject flags, java.lang.Object criteria)
public void	enumerateProcessesOffsetCount (NativeJavaObject list, NativeJavaObject flags, java.lang.Object criteria, int offset, int count)
public com.siatel.dto.DTO	createProcessRuntime (NativeJavaObject object)
public ProcessContent	readProcessContent (NativeJavaObject object)
public void	readTask (NativeJavaObject object, NativeJavaObject flags)
public void	readTaskLocalized (NativeJavaObject object, NativeJavaObject flags, NativeJavaObject locale)
public void	enumerateTasks (NativeJavaObject list, NativeJavaObject flags)

public void	enumerateTasksOffsetCount (NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public java.lang.String	idOfActiveTask (java.lang.String label, NativeJavaObject processRuntime)
public void	enumerateProcessRunningTasks (java.lang.String processId, NativeJavaObject list, NativeJavaObject flags)
public void	enumerateProcessRunningTasksOffsetCount (java.lang.String processId, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public void	enumerateProcessTasks (java.lang.String processId, NativeJavaObject list, NativeJavaObject flags)
public void	enumerateProcessTasksOffsetCount (java.lang.String processId, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public Event	newEvent (int code, java.lang.String processId, java.lang.String processName, java.lang.String taskId, java.lang.String taskName)
public void	postQueueEvent (NativeJavaObject event)
public java.lang.Long	synchronize (java.lang.String objectId, NativeJavaObject access)
public void	release (NativeJavaObject token)
public long	renderDelay (java.lang.String procDefId, NativeJavaObject delay)

Constructor detail :

```
public FlowScripting ()
```

Default constructor.

```
public FlowScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public void createProcess (NativeJavaObject object)
```

Create a [Process](#) object. The process created will be a 'draft' and not immediately active.

JS call:

```
Flow.createProcess(object)
```

Parameters :

object - wrapped [Process](#) object to create

Throws :

SiatelException - wrapped error

```
public void readProcess (NativeJavaObject object, NativeJavaObject flags)
```

[Process](#) lazy-load.

JS call:

```
Flow.readProcess(object, flags)
```

Parameters :

object - wrapped [Process](#) object to initialize. Must have the id set

flags - wrapped [Long](#) value specifying [Process](#) fields to initialize

Throws :

SiatelException - wrapped error

```
public void updateProcess (NativeJavaObject object, NativeJavaObject flags)
```

[Process](#) update.

JS call:

```
Flow.updateProcess(object, flags)
```

Parameters :

object - wrapped [Process](#) object to persist. Must have the id set

flags - wrapped [Long](#) value specifying [Process](#) fields to persist

Throws :

SiatelException - wrapped error

```
public void deleteProcess (String processId)
```

[Process](#) delete.

JS call:

```
Flow.deleteProcess (processId)
```

Parameters :

processId - id of process to delete

Throws :

SiatelException - wrapped error

```
public void enumerateProcesses (NativeJavaObject list, NativeJavaObject flags, Object criteria)
```

[Process](#) enumeration.

JS call:

```
Flow.enumerateProcesses(list, flags, criteria)
```

Parameters :

list - wrapped [List](#) to fill by this method with criteria-matching processes

flags - wrapped [Long](#) value specifying [Process](#) fields to initialize for enumeration results

criteria - direct or wrapped [List](#) containing enumeration criteria. See [ProcessPersistence#enumerate](#) for supported criteria combinations

Throws :

SiatelException - wrapped error

```
public void enumerateProcessesOffsetCount (NativeJavaObject list, NativeJavaObject flags, Object criteria, int offset, int count)
```

[Process](#) enumeration with offset and count.

JS call:

```
Flow.enumerateProcessesOffsetCount(list, flags, criteria, offset, count)
```

Parameters :

list - wrapped [List](#) to fill by this method with criteria-matching processes

flags - wrapped [Long](#) value specifying [Process](#) fields to initialize for enumeration results

criteria - direct or wrapped [List](#) containing enumeration criteria. See [FlowLibrary#CMD_ENUMERATE_PROCESSES](#) for supported criteria combinations

offset - enumeration start offset

count - maximum number of objects to return

Throws :

`SiatelException` - wrapped error

```
public DTO createProcessRuntime (NativeJavaObject object)
```

Create a process' runtime data. This will instantiate a DTO.

JS call:

```
Flow.createProcessRuntime (object)
```

Parameters :

`object` - wrapped [Process](#) object

Returns :

the runtime data dto. This object is string-ized and stored as 'process runtime file'

Throws :

`SiatelException` - wrapped error

```
public ProcessContent readProcessContent (NativeJavaObject object)
```

[ProcessContent](#) lazy-load from file.

JS call:

```
Flow.readProcessContent (object)
```

Parameters :

`object` - wrapped [Process](#) object whose content is requested by this method (must have the `fileId` set) or [String](#) specifying the id of the stored file from which to load the content

Returns :

the initialized {@link ProcessContent} corresponding to the specified object of file

Throws :

`SiatelException` - wrapped error

```
public void readTask (NativeJavaObject object, NativeJavaObject flags)
```

[Task](#) lazy-load.

JS call:

```
Flow.readTask (object, flags)
```

Parameters :

`object` - wrapped [Task](#) object to initialize. Must have the `id` set

`flags` - wrapped [Long](#) value specifying [Task](#) fields to initialize

Throws :

`SiatelException` - wrapped error

```
public void readTaskLocalized (NativeJavaObject object, NativeJavaObject flags, NativeJavaObject locale)
```

[Task](#) lazy-load.

JS call:

```
Flow.readTaskLocalized(object, flags, locale)
```

Parameters :

`object` - wrapped [Task](#) object to initialize. Must have the `id` set

`flags` - wrapped [Long](#) value specifying [Task](#) fields to initialize

`locale` - string value specifying language to retrieve

Throws :

`SiatelException` - wrapped error

```
public void enumerateTasks (NativeJavaObject list, NativeJavaObject flags)
```

[Task](#) enumeration. All tasks in the system regardless of status are returned.

JS call:

```
Flow.enumerateTasks(list, flags)
```

Parameters :

`list` - wrapped [List](#) to fill by this method with task

`flags` - wrapped [Long](#) value specifying [Task](#) fields to initialize for enumeration results

Throws :

`SiatelException` - wrapped error

```
public void enumerateTasksOffsetCount (NativeJavaObject list, NativeJavaObject flags, int offset, int count)
```

[Task](#) enumeration with offset and count. All tasks in the system regardless of status are returned.

JS call:

```
Flow.enumerateTasksOffsetCount(list, flags, offset, count)
```

Parameters :

`list` - wrapped [List](#) to fill by this method with task

`flags` - wrapped [Long](#) value specifying [Task](#) fields to initialize for enumeration results

`offset` - enumeration start offset

`count` - maximum number of objects to return

Throws :

`SiatelException` - wrapped error

```
public String idOfActiveTask (String label, NativeJavaObject
processRuntime)
```

Locate an active task by name in a given process' runtime data.

JS call:

```
Flow.idOfActiveTask(label, runtime)
```

Parameters :

`label` - name of the task whose id is requested

`processRuntime` - the runtime DTO-map of the process to be used for looking up active tasks

Returns :

the id of the task with specified name if any such active tasks exists in the process, `null` otherwise

Throws :

`SiatelException` - wrapped error

```
public void enumerateProcessRunningTasks (String processId,
NativeJavaObject list, NativeJavaObject flags)
```

Running [Task](#) objects enumeration. All active tasks for a specified process are returned.

JS call:

```
Flow.enumerateProcessRunningTasks(processId, list, flags)
```

Parameters :

`processId` - id of the process whose active tasks are requested

`list` - wrapped [List](#) to fill by this method with criteria-matching tasks

`flags` - wrapped [Long](#) value specifying [Task](#) fields to initialize for enumeration results

Throws :

`SiatelException` - wrapped error

```
public void enumerateProcessRunningTasksOffsetCount (String processId,
```

```
NativeJavaObject list, NativeJavaObject flags, int offset, int count)
```

Running [Task](#) objects paged enumeration. Active tasks for a specified process are returned given a starting index offset and a count items to return.

JS call:

```
Flow.enumerateProcessRunningTasksOffsetCount(processId, list, flags, offset, count)
```

Parameters :

`processId` - id of the process whose active tasks are requested

`list` - wrapped [List](#) to fill by this method with criteria-matching tasks

`flags` - wrapped [Long](#) value specifying [Task](#) fields to initialize for enumeration results

`offset` - the index offset

`count` - the count of items to return

Throws :

`SiatelException` - wrapped error

```
public void enumerateProcessTasks (String processId, NativeJavaObject list, NativeJavaObject flags)
```

[Task](#) objects enumeration. All tasks for a specified process are returned, regardless of their status, sorted ascending by start timestamp (oldest first)

JS call:

```
Flow.enumerateProcessTasks(processId, list, flags)
```

Parameters :

`processId` - id of the process whose active tasks are requested

`list` - wrapped [List](#) to fill by this method with criteria-matching tasks

`flags` - wrapped [Long](#) value specifying [Task](#) fields to initialize for enumeration results

Throws :

`SiatelException` - wrapped error

```
public void enumerateProcessTasksOffsetCount (String processId, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
```

[Task](#) objects paged enumeration. Tasks for a specified process are returned, regardless of their status, given a starting index offset and a count o items to return. Sort order is ascending by task start

timestamp (oldest first).

JS call:

```
Flow.enumerateProcessTasksOffsetCount(processId, list, flags, offset, count)
```

Parameters :

`processId` - id of the process whose active tasks are requested

`list` - wrapped [List](#) to fill by this method with criteria-matching tasks

`flags` - wrapped [Long](#) value specifying [Task](#) fields to initialize for enumeration results

`offset` - the index offset

`count` - the count of items to return

Throws :

`SiatelException` - wrapped error

```
public Event newEvent (int code, String processId, String processName,
String taskId, String taskName)
```

Create a flow queue [Event](#) object. The created object is not posted in the flow event queue. The execution time (`timestamp`) for the event is the current system time so if posted the event will be executed immediately. The execution time can be modified by in the calling script before posting the event to the flow queue.

JS call:

```
Flow.newEvent(code, processId, processName, taskId, taskName)
```

Parameters :

`code` - the [EventCode](#)

`processId` - id of process

`processName` - name of process (optional)

`taskId` - id of task (depending on event type, can be null)

`taskName` - name of task (optional)

Returns :

the [Event](#) object

```
public void postQueueEvent (NativeJavaObject event)
```

Post an [Event](#) object to the flow queue.

JS call:

```
Flow.postQueueEvent(event)
```

Parameters :

event - the [Event](#) object

Throws :

`SiatelException` - wrapped error

```
public Long synchronize (String objectId, NativeJavaObject access)
```

Synchronize access to a flow object (process /and task). When synchronizing task access, access to containing process is also synchronized. 'READ' access is shared, 'WRITE' access is exclusive.

JS call:

```
var token = Flow.synchronize(objectId, access)
```

Parameters :

objectId - id of process or task

access - wrapped [Integer](#) specifying the requested access. One of [Synch#READ](#) or [Synch#WRITE](#)

Returns :

a lock token to be used when calling the pair- [#release](#)

Throws :

`SiatelException` - wrapped error

```
public void release (NativeJavaObject token)
```

Release a locked process /and task.

JS call:

```
Flow.release(token)
```

Parameters :

token - the lock token obtained from the pair- [#synchronize](#)

Throws :

`SiatelException` - wrapped error

```
public long renderDelay (String procDefId, NativeJavaObject delay)
```

Render a delay in milliseconds according to a process definition's planner.

JS call:

```
Flow.renderDelay(procDefId, delay)
```

Parameters :

`procDefId` - id of process definition that specifies the planner to use

`delay` - the [Long](#) millisecond-specified duration to be rendered according to a planner

Returns :

the rendered delay (in milliseconds)

Throws :

`SiatelException` - wrapped error

GEDSCRIPTING

```
public class GedScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning document management functionalities. The methods in this class are bound to the JavaScript `Ged` namespace object's methods and properties.

Author :

victorc

Constructor summary :

Constructor
GedScripting ()
GedScripting (Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public void	createFolder (NativeJavaObject object)
public void	readFolder (NativeJavaObject object, NativeJavaObject flags)
public void	updateFolder (NativeJavaObject object, NativeJavaObject flags)
public void	deleteFolder (java.lang.String objectId)
public void	enumerateFolders (java.lang.String parentId, NativeJavaObject list, NativeJavaObject flags)
public void	enumerateFoldersOffsetCount (java.lang.String parentId, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public void	moveFolder (java.lang.String objectId, java.lang.String targetId)
public void	createDocument (NativeJavaObject object, java.lang.String parentId)
public void	readDocument (NativeJavaObject object, NativeJavaObject flags)
public void	updateDocument (NativeJavaObject object, NativeJavaObject flags)
public void	deleteDocument (java.lang.String objectId)

public void	enumerateDocuments (java.lang.String parentId, NativeJavaObject list, NativeJavaObject flags)
public void	enumerateDocumentsOffsetCount (java.lang.String parentId, NativeJavaObject list, NativeJavaObject flags, int offset, int count)
public void	createDocumentFulltext (java.lang.String objectId)
public void	recreateDocumentFulltext (java.lang.String objectId)
public void	deleteDocumentFulltext (java.lang.String objectId)
public void	addAttributeTextAreaFulltext (java.lang.String objectId, java.lang.String formId, java.lang.String attributeId, java.lang.String fileId)
public void	deleteAttributeTextAreaFulltext (java.lang.String objectId, java.lang.String formId, java.lang.String attributeId, java.lang.String fileId)
public java.lang.String	createNote (java.lang.String docId, java.lang.String text, java.lang.String ownerId)
public void	createNoteFulltext (java.lang.String objectId)
public void	recreateNoteFulltext (java.lang.String objectId)
public void	deleteNoteFulltext (java.lang.String objectId)
public void	addVersion (java.lang.String verType, java.lang.String documentId, java.lang.String newLabel, java.lang.String newFileId, java.lang.String verOwnerId)
public void	addVersionWithComment (java.lang.String verType, java.lang.String documentId, java.lang.String newLabel, java.lang.String newFileId, java.lang.String comment, java.lang.String verOwnerId)
public void	synchronizeOriginal (java.lang.String verType, NativeJavaObject idOrDoc, java.lang.String comment)
public void	unpinDocuments (NativeJavaObject newIds, NativeJavaObject oldIds, java.lang.String oldPinId)
public void	pinDocuments (NativeJavaObject object, java.lang.String parentId, NativeJavaObject list)
public java.lang.String	copyDocument (java.lang.String objectId, java.lang.String targetId, java.lang.Boolean asCopy)

public void	replaceDocument (NativeJavaObject sourceObj, NativeJavaObject targetObj)
public void	synchronizeAttributes (java.lang.String synchType, NativeJavaObject srcProc, NativeJavaObject targetProc)
public void	makeFiche (NativeJavaObject object, java.lang.String pinId)
public void	copyCustomSecurity (java.lang.String sourceObjectId, java.lang.String targetObjectId)
public void	copyNotes (java.lang.String sourceObjectId, java.lang.String targetObjectId)
public void	copyDocumentComments (java.lang.String sourceObjectId, java.lang.String targetObjectId)
public void	copyAttributes (NativeJavaObject target, NativeJavaObject source)
public void	synchronizePin (NativeJavaObject target, NativeJavaObject source)
public java.lang.Object	renderAttribute (java.lang.String attributeId, java.lang.String formId, java.lang.String formPage, NativeJavaObject attributes)
public void	renderAttributes (NativeJavaObject map, java.lang.String formId, java.lang.String formPage, NativeJavaObject attributes)
public java.lang.String	getCurrencyAttributeValue (java.lang.String attributeId, NativeJavaObject attributeValue, java.lang.Integer modifier)
public java.lang.String	getTextareaAttributeValue (NativeJavaObject attributeValue)
public java.lang.String	replaceTextareaAttributeValue (java.lang.String textareaFileId, NativeJavaObject attributeValue)
public java.lang.String	getFloatAttributeValue (java.lang.String attributeValue)
public java.lang.String	getTypeLocalizedValue (java.lang.String typeId, NativeJavaObject value, java.lang.String language)
public void	updatePinSize (java.lang.String pinId)
public void	setAttributeValue (NativeJavaObject object, java.lang.String attributeId, NativeJavaObject attributeValue)

public void	createLink (java.lang.String strDest, java.lang.String strSrc, boolean bidirectional, java.lang.String label)
public void	autoPositionFolderInParent (java.lang.String folderId, java.lang.String ascDesc, java.lang.String attributeId)
public void	setSecurity (java.lang.String objectId, NativeJavaObject juListAccessMasks)
public void	repositionFolder (java.lang.String folderId, java.lang.String afterId)
public void	repositionDocument (java.lang.String documentId, java.lang.String afterId)
public void	repositionObject (java.lang.String objectId, java.lang.String afterId)
public void	enumerateNotes (java.lang.String objectId, NativeJavaObject list)
public void	deleteLink (NativeJavaObject ntvDTCriteria)
public void	updateLink (NativeJavaObject ntvLink, NativeJavaObject ntvLongFlags)
public void	enumerateLinks (NativeJavaObject ntvDTCriteria, NativeJavaObject ntvList)
public void	broadcastDocuments (java.lang.Object ntStartDate, java.lang.Object nDueTime, java.lang.Object nExpireTime, java.lang.Object sActorIdOrName, java.lang.Object ntIdsOrObjects, java.lang.Boolean bNotify)
public java.lang.String	createWorkspace (java.lang.Object workspaceFolder, java.lang.Object expireDate, java.lang.Object managerAccessIds, java.lang.Object writeAccessIds, java.lang.Object readAccessIds)
public java.lang.Boolean	lock (java.lang.String docId, java.lang.Integer lockType, java.lang.String userId, java.lang.Object validity, java.lang.Boolean steal)
public void	unlock (java.lang.String docId)
public void	moveToTrash (java.lang.String objectId)
public void	archiveFolder (java.lang.Object maybeFolder)
public void	unarchiveFolder (java.lang.Object maybeFolder, java.lang.Boolean recurse)

public java.lang.String	copyPin (java.lang.String objectId, java.lang.String targetId, java.lang.Object maybeAsCopy)
public java.lang.Boolean	getFTMode (java.lang.String objectId)
public void	evaluateFormSecurity (java.lang.String objectId)
public NativeArray	getDocRefs (java.lang.Object docOrId)
public void	readSigningCycle (NativeJavaObject object, NativeJavaObject flags)
public java.lang.Object	findDocByLabel (java.lang.String parentId, java.lang.String label, NativeJavaObject flags)
public java.lang.Object	findFolderByLabel (java.lang.String parentId, java.lang.String label, NativeJavaObject flags)

Constructor detail :

```
public GedScripting ()
```

Default constructor.

```
public GedScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

-

prototype -

Method detail :

```
public void createFolder (NativeJavaObject object)
```

Create a [Folder](#) object. Object must have at least the `label` and `parentId` property initialized.

JS call:

```
Ged.createFolder(object)
```

Parameters :

object - wrapped [Folder](#) object to create

Throws :

SiateException - wrapped error

```
public void readFolder (NativeJavaObject object, NativeJavaObject flags)
```

[Folder](#) lazy-load.

JS call:

```
Ged.readFolder(object, flags)
```

Parameters :

object - wrapped [Folder](#) object to initialize. Must have the id set

flags - wrapped [Long](#) value specifying [Folder](#) fields to initialize

Throws :

SiatelException - wrapped error

```
public void updateFolder (NativeJavaObject object, NativeJavaObject flags)
```

[Folder](#) update.

JS call:

```
Ged.updateFolder(object, flags)
```

Parameters :

object - wrapped [Folder](#) object to update. Must have the id set

flags - wrapped [Long](#) value specifying [Folder](#) fields to persist

Throws :

SiatelException - wrapped error

```
public void deleteFolder (String objectId)
```

Delete [Folder](#) by id.

JS call:

```
Ged.deleteFolder(objectId)
```

Parameters :

objectId - id of folder to delete

Throws :

SiatelException - wrapped error

```
public void enumerateFolders (String parentId, NativeJavaObject list, NativeJavaObject flags)
```

Folder enumeration. All direct children of a folder are returned.

JS call:

```
Ged.enumerateFolders(parentId, list, flags)
```

Parameters :

parentId - id of parent folder

list - wrapped [List](#) to fill by this method with database objects

flags - wrapped [Long](#) value specifying [Folder](#) fields to initialize for enumeration results

Throws :

SiatelException - wrapped error

```
public void enumerateFoldersOffsetCount (String parentId,  
NativeJavaObject list, NativeJavaObject flags, int offset, int count)
```

Folder enumeration with offset and count.

JS call:

```
Ged.enumerateFoldersOffsetCount(parentId, list, flags, offset, count)
```

Parameters :

parentId - id of parent folder

list - wrapped [List](#) to fill by this method with database objects

flags - wrapped [Long](#) value specifying [Folder](#) fields to initialize for enumeration results

offset - enumeration offset

count - enumeration count

Throws :

SiatelException - wrapped error

```
public void moveFolder (String objectId, String targetId)
```

Move a folder from current location (parent) to another location (parent) in same database.

JS call:

```
Ged.moveFolder(objectId, targetId)
```

Parameters :

objectId - id of folder to move

targetId - id of new parent folder, where the folder will be moved

Throws :

SiatelException - wrapped error

```
public void createDocument (NativeJavaObject object, String parentId)
```

Create a [Document](#) object. Object must have at least the `label` property initialized

JS call:

```
Ged.createDocument(object, parentId)
```

Parameters :

`object` - wrapped [Document](#) object to create

`parentId` - id of container where the document will be created. A folder, process or pin-document id

Throws :

`SiateException` - wrapped error

```
public void readDocument (NativeJavaObject object, NativeJavaObject flags)
```

[Document](#) lazy-load. Applies also to 'pin' documents.

JS call:

```
Ged.readDocument(object, flags)
```

Parameters :

`object` - wrapped [Document](#) object to initialize. Must have the `id` set

`flags` - wrapped [Long](#) value specifying [Document](#) fields to initialize

Throws :

`SiateException` - wrapped error

```
public void updateDocument (NativeJavaObject object, NativeJavaObject flags)
```

[Document](#) update.

JS call:

```
Ged.updateDocument(object, flags)
```

Parameters :

`object` - wrapped [Document](#) object to update. Must have the `id` set

`flags` - wrapped [Long](#) value specifying [Document](#) fields to persist

Throws :

`SiateException` - wrapped error

```
public void deleteDocument (String objectId)
```

Delete [Document](#) by id. Applies to pin documents as well.

JS call:

```
Ged.deleteDocument(objectId)
```

Parameters :

objectId - id of document or pin to delete

Throws :

SiatelException - wrapped error

```
public void enumerateDocuments (String parentId, NativeJavaObject list,  
NativeJavaObject flags)
```

Document enumeration. All documents in a folder, process or pin are listed.

JS call:

```
Ged.enumerateDocuments(parentId, list, flags)
```

Parameters :

parentId - id of parent folder, process or pin

list - wrapped [List](#) to fill by this method with database objects

flags - wrapped [Long](#) value specifying [Document](#) fields to initialize for enumeration results

Throws :

SiatelException - wrapped error

```
public void enumerateDocumentsOffsetCount (String parentId,  
NativeJavaObject list, NativeJavaObject flags, int offset, int count)
```

Document enumeration with offset and count.

JS call:

```
Ged.enumerateDocumentsOffsetCount(parentId, list, flags, offset,  
count)
```

Parameters :

parentId - id of parent folder, process or pin

list - wrapped [List](#) to fill by this method with database objects

flags - wrapped [Long](#) value specifying [Document](#) fields to initialize for enumeration results

offset - enumeration offset

count - enumeration count

Throws :

SiatelException - wrapped error

```
public void createDocumentFulltext (String objectId)
```

Index a text document's content.

JS call:

```
Ged.createDocumentFulltext (objectId)
```

Parameters :

objectId - id of document whose content to index

Throws :

SiatelException - wrapped error

```
public void recreateDocumentFulltext (String objectId)
```

Re-index a text document's content. The content index is first removed and then created again.

JS call:

```
Ged.recreateDocumentFulltext (objectId)
```

Parameters :

objectId - id of document whose content to reindex

Throws :

SiatelException - wrapped error

```
public void deleteDocumentFulltext (String objectId)
```

Delete the content index a text document.

JS call:

```
Ged.deleteDocumentFulltext (objectId)
```

Parameters :

objectId - id of document whose content index to delete

Throws :

SiatelException - wrapped error

```
public void addAttributeTextAreaFulltext (String objectId, String  
formId, String attributeId, String fileId)
```

Index a text area attribute's content for a given object.

JS call:

```
Ged.addAttributeTextAreaFulltext(objectId, formId, attributeId, fileId)
```

Parameters :

`objectId` - id of document/pin/folder/process having the text area attribute

`formId` - id of form that specifies the text area attribute containment for object

`attributeId` - id of the text area attribute whose content to index

`fileId` - id of file with the content of the text area attribute

Throws :

`SiatelException` - wrapped error

```
public void deleteAttributeTextAreaFulltext (String objectId, String formId, String attributeId, String fileId)
```

Delete the content index of a text area attribute for a given object.

JS call:

```
Ged.deleteAttributeTextAreaFulltext(objectId, formId, attributeId, fileId)
```

Parameters :

`objectId` - id of document/pin/folder/process having the text area attribute

`formId` - id of form that specifies the text area attribute containment for object

`attributeId` - id of the text area attribute whose content index to delete

`fileId` - id of file with the content of the text area attribute

Throws :

`SiatelException` - wrapped error

```
public String createNote (String docId, String text, String ownerId)
```

Create a note on a document.

JS call:

```
Ged.createNote(docId, text, ownerId)
```

Parameters :

`docId` - id of document on which to create post-it note

text - text of note

ownerId - id of user who will own the note. This parameter is optional and will fallback to the owner of the parent document

Returns :

id of newly created note

Throws :

SiatelException - wrapped error

```
public void createNoteFulltext (String objectId)
```

Index a note's content.

JS call:

```
Ged.createNoteFulltext (objectId)
```

Parameters :

objectId - id of note object

Throws :

SiatelException - wrapped error

```
public void recreateNoteFulltext (String objectId)
```

Re-index a note's content. The content index is first removed and then created again.

JS call:

```
Ged.recreateNoteFulltext (objectId)
```

Parameters :

objectId - id of note object

Throws :

SiatelException - wrapped error

```
public void deleteNoteFulltext (String objectId)
```

Delete the content index of a note.

JS call:

```
Ged.deleteNoteFulltext (objectId)
```

Parameters :

objectId - id of note object

Throws :

SiatelException - wrapped error

```
public void addVersion (String verType, String documentId, String
newLabel, String newFileId, String verOwnerId)
```

Create a version for a document.

JS call:

```
Ged.addVersion(verType, documentId, newLabel, newFileId[, verOwnerId])
```

Parameters :

verType - the version type. One of "major", "minor" or "replace" strings. Usign "replace" will not actually create a new version but the document content and label are replaced and the document size is refreshed

documentId - id of document to which a version is created

newLabel - the new label of the document

newFileId - id of the file that will replace the current content of the document

verOwnerId - id of the user who takes ownership of the created version

Throws :

SiatelException - wrapped error

```
public void addVersionWithComment (String verType, String documentId,
String newLabel, String newFileId, String comment, String verOwnerId)
```

Create a version for a document adding a comment in the document version history.

JS call:

```
Ged.addVersionWithComment(verType, documentId, newLabel, newFileId,
comment[, verOwnerId])
```

Parameters :

verType - the version type. One of "major", "minor" or "replace" strings. Usign "replace" will not actually create a new version but the document content and label are replaced and the document size is refreshed

documentId - id of document to which a version is created

newLabel - the new label of the document

newFileId - id of the file that will replace the current content of the document

`comment` - the comment to add to document version history

`verOwnerId` - id of the user who takes ownership of the created version

Throws :

`SiatelException` - wrapped error

```
public void synchronizeOriginal (String verType, NativeJavaObject
idOrDoc, String comment)
```

Apply the changes of a "copy" document to the original, with optional versioning and comment in version history.

JS call:

```
Ged.synchronizeOriginal(verType, idOrDoc, comment)
```

Parameters :

`verType` - the version type. One of "major", "minor" or "replace" strings. Usign "replace" will not actually create a new version but the original document's content is replaced and the document size is refreshed

`idOrDoc` - id of "copy" document or the "copy"- [Document](#) itself used as content synchornization source

`comment` - the comment to be used if versioning

Throws :

`SiatelException` - wrapped error

```
public void unpinDocuments (NativeJavaObject newIds, NativeJavaObject
oldIds, String oldPinId)
```

Extract documents from a pin document.

JS call:

```
Ged.unpinDocuments(newIds, oldIds, oldPinId)
```

Parameters :

`newIds` - a [List](#) to be filled with the new document ids, including the id of the resulting index card (fiche) if this is the case

`oldIds` - a [List](#) containing the ids of documents to be extracted from the pin. If all components are specified the `newIds` list will contain the id of the resulting index card (fiche) upon the end of this call

`oldPinId` - the id of the pin from which documents are extracted

Throws :

SiatelException - wrapped error

```
public void pinDocuments (NativeJavaObject object, String parentId,
NativeJavaObject list)
```

Pin a group of documents from the same database.

JS call:

```
Ged.pinDocuments(object, parentId, list)
```

Parameters :

object - the pin [Document](#) object to create; must have label and formId properties set

parentId - the id of the folder or process where the new pin will be created

list - a [List](#) or native javascript array containing the [Document](#) objects to be pinned or their ids

Throws :

SiatelException - wrapped error

```
public String copyDocument (String objectId, String targetId, Boolean
asCopy)
```

Copy a document, keeping a reference to the source document.

JS call:

```
Ged.copyDocument(objectId, targetId[, asCopy])
```

Parameters :

objectId - the id of the source document to copy

targetId - the id of the folder or process where the copy-document will be created

asCopy - indicates if the new created copy is linked to the source document or not

Returns :

the id of the new document

Throws :

SiatelException - wrapped error

```
public void replaceDocument (NativeJavaObject sourceObj,
NativeJavaObject targetObj)
```

Replace an existing document with another existing document.

JS call:

```
Ged.replaceDocument (sourceObj, targetObj)
```

Parameters :

sourceObj - the source [Document](#) of the replacement operation

targetObj - the destination [Document](#) of the replacement operation

Throws :

SiatelException - wrapped error

```
public void synchronizeAttributes (String synchType, NativeJavaObject
srcProc, NativeJavaObject targetProc)
```

Copy the attributes from one process to another. Useful when a process starts and waits for another process and they share a set of attributes.

JS call:

```
Ged.synchronizeAttributes (synchType, srcProc, targetProc)
```

Parameters :

synchType - no longer used

srcProc - the source [Process](#) of the attribute copy operation

targetProc - the destination [Process](#) of the attribute copy operation

Throws :

SiatelException - wrapped error

```
public void makeFiche (NativeJavaObject object, String pinId)
```

Convert a pin-document to an index card (fiche). Useful when programatically extracting all components of the pin leaving it empty and it needs to be converted.

JS call:

```
Ged.makeFiche (object, pinId)
```

Parameters :

object - the [Document](#) index card object to be initialized with the resulting id

pinId - the id of the pin to convert

Throws :

SiatelException - wrapped error

```
public void copyCustomSecurity (String sourceObjectId, String
targetObjectId)
```

Apply the security descriptor of an object (folder/process/pin/document) to another object (folder/process/pin/document).

JS call:

```
Ged.copyCustomSecurity(sourceObjectId, targetObjectId)
```

Parameters :

sourceObjectId - the object to use as source for the security-copy operation

targetObjectId - the object used as destination for the security-copy operation

Throws :

SiatelException - wrapped error

```
public void copyNotes (String sourceObjectId, String targetObjectId)
```

Copy the notes of a document to another document.

JS call:

```
Ged.copyNotes(sourceObjectId, targetObjectId)
```

Parameters :

sourceObjectId - the object to use as source for the note-copy operation

targetObjectId - the object used as destination for the note-copy operation

Throws :

SiatelException - wrapped error

```
public void copyDocumentComments (String sourceObjectId, String  
targetObjectId)
```

Copy the comments of a document to another document.

JS call:

```
Ged.copyDocumentComments(sourceObjectId, targetObjectId)
```

Parameters :

sourceObjectId - the object to use as source for the comments-copy operation

targetObjectId - the object used as destination for the comments-copy operation

Throws :

SiatelException - wrapped error

```
public void copyAttributes (NativeJavaObject target, NativeJavaObject  
source)
```

Fill the attributes' list of an object using another object as source. This will not store the destination object's attributes.

JS call:

```
Ged.copyAttributes(target, source)
```

Parameters :

target - the copy-destination object

source - the copy-source object

Throws :

SiatelException - wrapped error

```
public void synchronizePin (NativeJavaObject target, NativeJavaObject
source)
```

Copy the attributes and security of one pin document to another pin document.

JS call:

```
Ged.synchronizePin(target, source)
```

Parameters :

target - the copy-destination object

source - the copy-source object

Throws :

SiatelException - wrapped error

```
public Object renderAttribute (String attributeId, String formId, String
formPage, NativeJavaObject attributes)
```

Retrieve the value of the given attribute for a specified form page and set of attributes by evaluating its associated rule if any and all rules that must be evaluated before it.

JS call:

```
Ged.renderAttribute(attributeId, formId, formPage, attributes)
```

Parameters :

attributeId - the id of the attribute whose value must be rendered

formId - the id of the form

formPage - the current form page

attributes - the current list of attributes

Returns :

the new value of the attribute after rule evaluation or null if could not be determined

Throws :

SiatelException - wrapped error

```
public void renderAttributes (NativeJavaObject map, String formId,
String formPage, NativeJavaObject attributes)
```

Evaluate rules for given form page and return a map containing all modified attributes and their corresponding values.

JS call:

```
Ged.renderAttributes(attributeId, formId, formPage, attributes)
```

Parameters :

map - wrapped [Map](#) to fill by this method with (attributeId, newValue) pairs

formId - the id of the form

formPage - the current page form

attributes - the current list of attributes

Throws :

SiatelException - wrapped error

```
public String getCurrencyAttributeValue (String attributeId,
NativeJavaObject attributeValue, Integer modifier)
```

Render the value of a currency attribute as string.

JS call:

```
Ged.getCurrencyAttributeValue(attributeId, attributeValue, modifier)
```

Parameters :

attributeId - id of attribute to render. Will be used to extract the currency name from attribute definition

attributeValue - the value of the attribute

modifier - `Modifier.CURRENCY_VALUE` for just the numeric value,
`Modifier.CURRENCY_NAME` for just the currency name, `null` for the whole string with name and numeric

Returns :

the rendered currency string

Throws :

`SiatelException` - wrapped error

```
public String getTextareaAttributeValue (NativeJavaObject
attributeValue)
```

Retreieve the text in a text-area attribute's file id value.

JS call:

```
Ged.getTextareaAttributeValue (attributeValue)
```

Parameters :

`attributeValue` - the file id value of the attribute

Returns :

the string represented text

Throws :

`SiatelException` - wrapped error

```
public String replaceTextareaAttributeValue (String textareaFileId,
NativeJavaObject attributeValue)
```

Replace the content of a text-area attribute's file with the specified string

JS call:

```
Ged.replaceTextareaAttributeValue (textareaFileId, attributeValue)
```

Parameters :

`textareaFileId` - the file id value of the attribute

`attributeValue` - the text content to replace with

Returns :

a new file id if storage has changed

Throws :

`SiatelException` - wrapped error

```
public String getFloatAttributeValue (String attributeValue)
```

Re-format a string-represented floating point numeric to form-valid string for a numeric decimal attribute.

JS call:

```
Ged.getFloatAttributeValue (attributeValue)
```

Parameters :

attributeValue - the string to re-format

Returns :

the formatted string

Throws :

SiatelException - wrapped error

```
public String getTypeLocalizedValue (String typeId, NativeJavaObject
value, String language)
```

Retrieves the translation of the given value from the localized type content.

JS call:

```
var localizedValue = Ged.getTypeLocalizedValue(typeId, value, lang)
```

Parameters :

typeId - The id of the type

value - The value to translate

language - The language in which to translate the value

Returns :

The translation of the value if one exists otherwise the value itself

Throws :

SiatelException - wrapped error

```
public void updatePinSize (String pinId)
```

Recomputes the size of a pin.

JS call:

```
Ged.updatePinSize (pinId)
```

Parameters :

pinId - the id of the pin

```
public void setAttributeValue (NativeJavaObject object, String
attributeId, NativeJavaObject attributeValue)
```

Set the value of an attribute for a [Viewable](#) object enforcing conversion to attribute native type.

JS call:

```
Ged.setAttributeValue(object, attributeId, attributeValue)
```

Parameters :

object - the scripting-wrapped [Viewable](#) implementing object ([Folder](#), [Process](#) or [Document](#))

attributeId - String representing the id of the attribute whose value to set

attributeValue - the scripting-wrapped value for the attribute. Most of the time a `java.lang.String`.

```
public void createLink (String strDest, String strSrc, boolean
bidirectional, String label)
```

Create a link between two documents.

JS call:

```
Ged.createLink(strDest, strSrc, bidirectional[, label])
```

Parameters :

strDest - id of link destination

strSrc - id of link source

bidirectional - true if link should be bidirectional, as in both objects are source and destination for each other

label - a name for the link. Optional name for the link

```
public void autoPositionFolderInParent (String folderId, String ascDesc,
String attributeId)
```

Analyze and update a folder's position within it's parent based on a sort order and a sort attribute to be used as criteria. Useful when generating classification structures.

JS call:

```
Ged.autoPositionFolderInParent(folderId, ascDesc, attributeId)
```

Parameters :

folderId - id of the folder to re-position.

ascDesc - "asc" or "desc". Any other value will be ignored and will have no effect.

attributeId - the id of the attribute to use as criteria. System scalar attributes (label, dates) can also be used.

```
public void setSecurity (String objectId, NativeJavaObject
juListAccessMasks)
```

Set the security access rights for a given object. The new security will overwrite any existing security,

making the newly specified security the only one applicable onwards.

JS call:

```
Ged.setSecurity(objectId, juListAccessMasks)
```

Parameters :

objectId - id of object whose security access rights to change.

juListAccessMasks - scripting-wrapped `java.util.List` of [com.siatel.domain.security.AccessMask](#) to apply to the object.

```
public void repositionFolder (String folderId, String afterId)
```

Reposition a folder within its parent; does not move the folder to another parent

JS call:

```
Ged.repositionFolder(folderId, afterId)
```

Parameters :

folderId - id of the folder to re-position.

afterId - the id of the folder that this folder is to be inserted after

```
public void repositionDocument (String documentId, String afterId)
```

Reposition a document within its parent; does not move the document to another parent

JS call:

```
Ged.repositionDocument(documentId, afterId)
```

Parameters :

documentId - id of the document to re-position.

afterId - the id of the document that this document is to be inserted after

```
public void repositionObject (String objectId, String afterId)
```

Reposition a folder or a document within its parent; does not move the document or folder to another parent

JS call:

```
Ged.repositionObject(objectId, afterId)
```

Parameters :

objectId - id of the folder or document to re-position.

afterId - the id of the folder or document that this folder or document is to be inserted after

```
public void enumerateNotes (String objectId, NativeJavaObject list)
```

Enumerate the notes of an object.

JS call:

```
Ged.enumerateNotes (objectId)
```

Parameters :

`objectId` - the object to use as source for the note-listing operation

`list` - the list to fill with [Note](#) objects

Throws :

`SiatelException` - wrapped error

```
public void deleteLink (NativeJavaObject ntvDTCriteria)
```

Delete object links based on criteria.

JS call:

```
Ged.deleteLink (ntvDTCriteria)
```

Parameters :

`ntvDTCriteria` - the criteria to use for delete. See com.siatel.framework.service.ged.GedLibrary#CMD_DELETE_OBJECT_LINK for parameters

Throws :

`SiatelException` - wrapped error

```
public void updateLink (NativeJavaObject ntvLink, NativeJavaObject ntvLongFlags)
```

Update on object link's properties

JS call:

```
Ged.updateLink (strNodeId)
```

Parameters :

`ntvLink` - the [ObjectLink](#) instance to update

`ntvLongFlags` - the [Long](#) bit encoded flags for the link properties to update. If `null` or not set then `Flag.OBJECT_LINK_ALL` is assumed

Throws :

`SiatelException` - wrapped error

```
public void enumerateLinks (NativeJavaObject ntvDTCriteria,
```

```
NativeJavaScript ntvList)
```

Enumerate object links.

JS call:

```
Ged.enumerateLinks(ntvDTOCriteria, ntvList)
```

Parameters :

`ntvDTOCriteria` - the enumeration criteria. See

[com.siatel.framework.service.ged.GedLibrary#CMD_ENUMERATE_OBJECT_LINKS](#) for parameters

`ntvList` - the list to fill with results

Throws :

`SiatelException` - wrapped error

```
public void broadcastDocuments (Object ntStartDate, Object nDueTime,  
Object nExpireTime, Object sActorIdOrName, Object ntIdsOrObjects,  
Boolean bNotify)
```

Broadcast a document or set of documents to one or more users.

JS call:

```
Ged.broadcastDocuments(ntStartDate, nDueTime, nExpireTime,  
sActorIdOrName, ntIdsOrObjects, bNotify)
```

Parameters :

`ntStartDate` - the start date for the broadcast; must be a date object or an integer; if an integer is provided, the start date will be calculated as current time plus the number of minutes provided

`nDueTime` - expected 'read' time for the document; an absolute date can be provided or a number of minutes

`nExpireTime` - expire time for the read operation; an absolute date can be provided or a number of minutes

`sActorIdOrName` - an actor or list of actors to broadcast to; an actor can be either a group, a role or a specific user; the function call accepts either a single entity or a `java.util.List` of actors

`ntIdsOrObjects` - a document or list of documents to broadcast; the function call accepts either a single document or a `java.util.List` of documents

`bNotify` - boolean indicating if actors are to be notified

Throws :

`SiatelException` - wrapped error

```
public String createWorkspace (Object ntStartDate, Object nDueTime,
Object nExpireTime, Object sActorIdOrName, Object ntIdsOrObjects,
Boolean bNotify)
```

Create a workspace.

JS call:

```
Ged.createWorkspace(workspaceFolder, expireDate, managerAccessIds,
writeAccessIds, readAccessIds)
```

Parameters :

`workspaceFolder` - the workspace folder. Must have `parentId` set to an object that indicates the repo that it will contain it; internally this id will be coerced to the workspace root id

`expireDate` - the expiration `java.util.Date`. Can also be a string of one of the following formats: `dd/MM/yyyy`, `dd.MM.yyyy`, `dd-MM-yyyy`, `yyyy/MM/dd`, `yyyy.MM.dd`, `yyyy-MM-dd`, `ISO8601`

`managerAccessIds` - the list of user account ids assigned with 'manager' access to the workspace

`writeAccessIds` - the list of user account ids assigned with 'write' access to the workspace

`readAccessIds` - the list of user account ids assigned with 'read' access to the workspace

Returns :

the id of the workspace

Throws :

`SiatelException` - wrapped error

```
public Boolean lock (String docId, Integer lockType, String userId,
Object validity, Boolean steal)
```

Lock a document.

JS call:

```
var success = Ged.lock(docId, lockType, userId, validity, steal)
```

Parameters :

`docId` - the document id

`lockType` - the lock type (0 = LOCK, 1 = CHECK_OUT)

`userId` - the user under whose identity the lock is set

`validity` - the validity of the lock, can be a `java.util.Date` in which case is absolute, a

number in which case is the duration in millis or `null` in which case the lock is permanent

`steal` - `true` if any existing lock should be overridden

Returns :

`true` if lock set successfully, `false` otherwise (e.g. document is already locked and 'steal' was not set)

Throws :

`SiatelException` - wrapped error

```
public void unlock (String docId)
```

Unlock a document.

JS call:

```
Ged.unlock(docId)
```

Parameters :

`docId` - the document id

Throws :

`SiatelException` - wrapped error

```
public void moveToTrash (String objectId)
```

Move a 'trash'-able object (folder, document, version) to trash.

JS call:

```
Ged.moveToTrash(objectId)
```

Parameters :

`objectId` - the id of object to move to trash

Throws :

`SiatelException` - wrapped error

```
public void archiveFolder (Object maybeFolder)
```

Move folder from active to archive database.

JS call:

```
Ged.archiveFolder(folderId)
```

Parameters :

`maybeFolder` - the folder to archive or its id

Throws :

`SiatelException` - wrapped error

```
public void unarchiveFolder (Object maybeFolder, Boolean recurse)
```

Move folder from archive to active database.

JS call:

```
Ged.unarchiveFolder(folderId, true)
```

Parameters :

`maybeFolder` - the folder to retrieve from archive or its id

`recurse` - indicates if the operation should be recursive or not

Throws :

`SiatelException` - wrapped error

```
public String copyPin (String objectId, String targetId, Object
maybeAsCopy)
```

Copy a pin document and all it's components, optionally keeping a reference to the source document/s.

JS call:

```
Ged.copyPin(objectId, targetId[, asCopy])
```

Parameters :

`objectId` - the id of the source document to copy

`targetId` - the id of the folder or process where the copy-document will be created

`maybeAsCopy` - optional parameter that can evaluate to a `boolean` specifying weather references to the source should be kept

Returns :

the id of the new pin

Throws :

`SiatelException` - wrapped error

```
public Boolean getFTMode (String objectId)
```

Get the full-text mode of a database given the id of a database-contained object.

JS call:

```
Ged.getFTMode(objectId)
```

Parameters :

objectId - id of a database-contained object

Returns :

true if database containing object specified by id if full-text enabled, false otherwise or in case of error

Throws :

SiatelException - wrapped error

```
public void evaluateFormSecurity (String objectId)
```

Force a form-based security re-evaluation.

JS call:

```
Ged.evaluateFormSecurity(objectId)
```

Parameters :

objectId - the id of object to re-evaluate

Throws :

SiatelException - wrapped error

```
public NativeArray getDocRefs (Object docOrId)
```

Get the references of a document.

JS call:

```
var references = Ged.getDocRefs(documentId)
```

Parameters :

docOrId - the document or its id

Returns :

an array of [Document](#) objects

Throws :

SiatelException - wrapped error

```
public void readSigningCycle (NativeJavaObject object, NativeJavaObject flags)
```

[SigningCycle](#) lazy-load.

JS call:

```
Ged.readSigningCycle(object, flags)
```

Parameters :

object - wrapped [SigningCycle](#) object to initialize. Must have the id set

flags - wrapped [Long](#) value specifying [SigningCycle](#) fields to initialize

Throws :

SiateException - wrapped error

```
public Object findDocByLabel (String parentId, String label,
NativeJavaObject flags)
```

Searches for a document by its label.

JS call:

```
var result = Ged.findDocByLabel(parentId, docLabel, flags)
```

Parameters :

parentId - the id of the parent into which to search

label - the label of the searched document

flags - wrapped [Long](#) value specifying [Document](#) fields to initialize

Returns :

a list of [Document](#) objects, or a single [Document](#), or null if nothing was found

Throws :

SiateException - wrapped error

```
public Object findFolderByLabel (String parentId, String label,
NativeJavaObject flags)
```

Searches for a folder by its label.

JS call:

```
var result = Ged.findFolderByLabel(parentId, folderLabel, flags)
```

Parameters :

parentId - the id of the parent into which to search

label - the label of the searched folder

flags - wrapped [Long](#) value specifying [Folder](#) fields to initialize

Returns :

a list of [Folder](#) objects, or a single [Folder](#), or null if nothing was found

Throws :

`SiatelException` - wrapped error

MAILSCRIPTING

```
public final class MailScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning e-mail functionalities. The methods in this class are bound to the JavaScript `Mail` namespace object's methods and properties.

Constructor summary :

Constructor
MailScripting ()
MailScripting (Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public MailMessage	create ()
public void	send (NativeJavaObject message, java.lang.Object async)
public void	open (NativeJavaObject mailCtx, NativeJavaObject mailboxData)
public void	close (NativeJavaObject mailCtx)
public void	enumerate (NativeJavaObject mailCtx, java.lang.String whichMessages, NativeJavaObject list)
public MailMessage	readMessage (NativeJavaObject mailCtx, NativeJavaObject message, java.lang.Boolean markAsRead, java.lang.Boolean downloadAttachments)
public void	unreadMessage (NativeJavaObject mailCtx, NativeJavaObject message)
public boolean	check (NativeJavaObject mailCtx)
public MailboxData	createMailboxData ()
public MailContext	createMailContext ()

Constructor detail :

<pre>public MailScripting ()</pre>

'Serializable' required constructor. Required for all implementations of [ScriptingWrapper](#)

```
public MailScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public MailMessage create ()
```

Create a mail message object in order to send it later. Alternate call to using a [MailMessage](#) constructor.

JS call:

```
Mail.create()
```

Returns :

a [MailMessage](#) object.

```
public void send (NativeJavaObject message, Object async)
```

Send a mail message.

JS call:

```
Mail.send(message[, async])
```

Parameters :

message - the [MailMessage](#) object to send

async - optional boolean to indicate if the operation should be synchronous or not

Throws :

Exception - in case mail send failed. Examine the exception message and stack-trace for details since it heavily depends on the underlying mail-system support

```
public void open (NativeJavaObject mailCtx, NativeJavaObject mailboxData)
```

Open a session on a specified mailbox.

JS call:

```
Mail.open(mailCtx, mailboxData)
```

Parameters :

mailCtx - a [MailContext](#) object describing the session. To be initialized by this call

mailboxData - the [MailboxData](#) to be used for context initialization (server, account, user, pass etc.)

Throws :

Exception - as thrown by the underlying system mail support. Examine the exception message and stack-trace for details since it heavily depends on the underlying mail-system support

```
public void close (NativeJavaObject mailCtx)
```

Close the mailbox session.

JS call:

```
Mail.close(mailCtx)
```

Parameters :

mailCtx - the [MailContext](#) describing the session

Throws :

Exception - as thrown by the underlying system mail support. Examine the exception message and stack-trace for details since it heavily depends on the underlying mail-system support

```
public void enumerate (NativeJavaObject mailCtx, String whichMessages,
NativeJavaObject list)
```

List the messages in on open mailbox.

JS call:

```
Mail.enumerate(mailCtx, whichMessages, list)
```

Parameters :

mailCtx - the [MailContext](#) describing the session

whichMessages - String value establishing enumeration criteria. Can be one of all, read, unread

list - the [java.util.List](#) to fill with [MailMessage](#) objects, results of the enumeration

Throws :

Exception - as thrown by the underlying system mail support. Examine the exception message and stack-trace for details since it heavily depends on the system underlying mail support

```
public MailMessage readMessage (NativeJavaObject mailCtx,
NativeJavaObject message, Boolean markAsRead, Boolean
downloadAttachments)
```

Read a mail message.

JS call:

```
Mail.readMessage(mailCtx, message, markAsRead, downloadAttachments)
```

Parameters :

mailCtx - the [MailContext](#) describing the session

message - the [MailMessage](#) object to mark as read

markAsRead - true if message should be marked as read

downloadAttachments - true if message attachments should be downloaded and made available via the same message object received on input

Returns :

the same [MailMessage](#) object

Throws :

`SiatelException` - wrapped as thrown by the underlying system mail support. Examine the exception message and stack-trace for details since it heavily depends on the underlying mail-system support

```
public void unreadMessage (NativeJavaObject mailCtx, NativeJavaObject
message)
```

Mark a mail message as unread.

JS call:

```
Mail.unreadMessage(mailCtx, message)
```

Parameters :

mailCtx - the [MailContext](#) describing the session

message - the [MailMessage](#) object to mark as unread

Throws :

`Exception` - as thrown by the underlying system mail support. Examine the exception message and stack-trace for details since it heavily depends on the system underlying mail support

```
public boolean check (NativeJavaObject mailCtx)
```

Check the open mailbox for new (unread) messages.

JS call:

```
Mail.check(mailCtx)
```

Parameters :

mailCtx - the [MailContext](#) describing the session and mailbox

Returns :

true if there are unread messages in the mailbox

Throws :

Exception - as thrown by the underlying system mail support. Examine the exception message and stack-trace for details since it heavily depends on the underlying mail-system support

```
public MailboxData createMailboxData ()
```

Instantiate a [MailboxData](#) object to be used for opening a session. Alternate call to using the [MailboxData](#) constructor.

JS call:

```
Mail.createMailboxData()
```

Returns :

a blank [MailboxData](#) object

```
public MailContext createMailContext ()
```

Instantiate a [MailContext](#) object to be initialized with a mail session description.

JS call:

```
Mail.createMailContext()
```

Returns :

a blank [MailContext](#) object

MISCSCRIPTING

```
public class MiscScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning miscellaneous functionalities. The methods in this class are bound to the JavaScript `Misc` namespace object's methods and properties.

Constructor summary :

Constructor
MiscScripting ()
MiscScripting (Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public void	signDocument (java.lang.String objectId, java.lang.String signatureType, java.lang.String certificateId, java.lang.Object convertToPdf)
public boolean	file2pdf (java.lang.String srcFilePath, java.lang.String pdfFilePath)
public java.lang.String	getLocalizedLabel (java.lang.String objectId, java.lang.String language)
public void	generateDocument (NativeJavaObject newDoc, java.lang.String parentId, java.lang.String templateId, NativeJavaObject attrSource, java.lang.String language)
public java.lang.String	generateFile (java.lang.String templateFile, NativeJavaObject attrSource, NativeJavaObject mappings)
public java.lang.String	form2pdf (NativeJavaObject object)
public void	zipFolder (java.lang.String srcFolder, java.lang.String zipFile)
public java.util.List	getAudit (java.lang.String objectId, java.lang.Boolean content, java.lang.Boolean recurse)
public java.lang.Object	attrValue (NativeJavaObject object, java.lang.String attrIdOrLabel, NativeJavaObject

	locale, NativeJavaObject defaultValue)
public java.lang.String	getExtensionInfo (java.lang.Object object, java.lang.String extensionId, java.lang.String instanceId, java.lang.String varName)
public java.util.List	getExtensionInstanceIds (java.lang.Object object, java.lang.String extensionId)
public java.lang.String	getCounterValue (java.lang.String counterId, java.lang.Object maybeIncrement)
public java.lang.String	getCounterValueEx (java.lang.String counterId, NativeJavaObject instanceSource)
public java.lang.String	lookupBarcode (java.lang.String idOrFilePath)
public java.lang.String	httpPostRequest (java.lang.String url, java.lang.Object _headers, java.lang.Object _parameters, java.lang.Object _body, java.lang.Object _contentType)
public java.lang.String	httpGetRequest (java.lang.String url, NativeJavaObject _headers)
public java.lang.String	httpHeadRequest (java.lang.String url, NativeJavaObject _headers)
public java.lang.String	httpDownloadRequest (java.lang.String url, NativeJavaObject _headers)
public java.lang.String	rebuildId (java.lang.String partialId)
public java.lang.String	broadcastDocument (java.lang.String objectId, NativeJavaObject _sDate, java.lang.Object _duration, java.lang.Object _maxDuration, NativeJavaObject _actorIds, java.lang.String ownerId, java.lang.String managerId, NativeJavaObject _bNotify)
public java.lang.Object	signRequest (java.lang.String objectId, java.lang.Object params)
public void	createObject (NativeJavaObject _object, java.lang.String parentId)
public void	readObject (java.lang.Object _object, java.lang.Object _flags, java.lang.Object _attributes)
public void	updateObject (NativeJavaObject _object,

	<code>NativeJavaScript _flags)</code>
<code>public void</code>	<code>setAttributeValue (NativeJavaScript _attribute, java.lang.String value)</code>
<code>public java.lang.Object</code>	<code>getAttributeValue (NativeJavaScript _attribute, java.lang.String value)</code>
<code>public boolean</code>	<code>checkFlags (NativeJavaScript _ntLongFlags1, NativeJavaScript _ntLongFlags2)</code>
<code>public java.lang.Object</code>	<code>renderDelay (java.lang.String plannerId, java.lang.Object reference, java.lang.Object delay, java.lang.Object maxDelay)</code>
<code>public java.lang.Object</code>	<code>renderElapsed (java.lang.String plannerId, java.lang.Object dateS, java.lang.Object dateE)</code>
<code>public java.lang.Object</code>	<code>renderElapsedDays (java.lang.String plannerId, java.lang.Object dateS, java.lang.Object dateE)</code>
<code>public java.lang.Object</code>	<code>renderTextTemplate (java.lang.String template, java.lang.Object attrSource, java.lang.Object mappings)</code>

Constructor detail :

```
public MiscScripting ()
```

Default constructor.

```
public MiscScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public void signDocument (String objectId, String signatureType, String certificateId, NativeJavaScript convertToPdf)
```

Sign a document using the given method and certificate. Requires a Gargantua [Document](#) on input. The signature type has to be one of the following:

- [Constants](#).SIG_TYPE_CERTIFIED : the document is certified
- [Constants](#).SIG_TYPE_ENCRYPTION : the document is encrypted

JS call:

Example :

Output of the example script :

```
[...] ScriptingSystem - --- before sign call
[...] ScriptingSystem - document ID : DOCF00760000000010000000000000
[...] ScriptingSystem - file ID : FILE007600000000000000000010000
[...] ScriptingSystem - form ID : DFFR00760000000010000000000000
[...] ScriptingSystem - certificate ID : CERT000000000001F0000000000000
[...] ScriptingSystem - --- after sign call
[...] ScriptingSystem - document ID : DOCF00760000000010000000000000
[...] ScriptingSystem - file ID : FILE007600000000000000000010000
```

```
[...] ScriptingSystem - form ID : DFFR00760000000010000000000000
```

Parameters :

`objectId` - the id of the document to sign

`signatureType` - one of [Constants](#) .SIG_TYPE_CERTIFIED, [Constants](#) .SIG_TYPE_ENCRYPTION, [Constants](#) SIG_TYPE_ETOKEN constants.

`certificateId` - the id of the certificate to use for signing

`convertToPdf` - boolean value specifying weather the original document should be replaced by the resulting signed pdf document. `true` to do replacement

Throws :

`SiatelException` - wrapped error

```
public boolean file2pdf (String srcFilePath, String pdfFilePath)
```

Convert a file to pdf.

JS call:

```
Misc.file2pdf(filePath, pdfPath)
```

Parameters :

`srcFilePath` - the path to the file to convert

`pdfFilePath` - the path of the resulting pdf file

Returns :

the result of the pdf conversion operation. `true` if the conversion was completed successfully.

Throws :

`SiatelException` - wrapped error

```
public String getLocalizedLabel (String objectId, String language)
```

Read the localized label of a design object (form, attribute etc.)

JS call:

```
Misc.getLocalizedLabel(objectId, lang)
```

Parameters :

`objectId` - id of object whose label is retrieved

`language` - localization language

Returns :

the localized object label in the specified language

Throws :

`SiatelException` - wrapped error

```
public void generateDocument (NativeJavaObject newDoc, String parentId,
String templateId, NativeJavaObject attrSource, String language)
```

Generate a document from a document template using an object as attribute data source.

JS call:

```
Misc.generateDocument(newDoc, parentId, templateId, sourceAttrList,
lang)
```

Parameters :

`newDoc` - wrapped [Document](#) object to create

`parentId` - id of container where the document will be created. A folder, process or pin-document id

`templateId` - the id of the [DocumentTemplate](#) used to generate the document content

`attrSource` - the [Viewable](#) object (folder, process, document) used as data source for the document template markers

`language` - the language of the document template

Throws :

`SiatelException` - wrapped error

```
public String generateFile (String templateFile, NativeJavaObject
attrSource, NativeJavaObject mappings)
```

Generate a file from a document template using an object as attribute data source. It is the caller's responsibility to handle the file afterwards. The template provided is a document file, not a Gargantua document template

JS call:

```
Misc.generateFile(templateFile, attrSource, mappings)
```

Parameters :

`templateFile` - full file path of the template used to generate the document content

`attrSource` - the [Viewable](#) object (folder, process, document) used as data source for the document template markers

mappings - a map of markers to values used for replacing text in the template

Throws :

SiatelException - wrapped error

```
public String form2pdf (NativeJavaObject object)
```

Render a PDF file using an object's form and it's attributes to fill the form fields.

JS call:

```
var pdfFilePath = Misc.form2pdf(object)
```

Parameters :

object - the object whose form and attributes are used to render the pdf file

Returns :

the path to the rendered PDF file

Throws :

SiatelException - wrapped error

```
public void zipFolder (String srcFolder, String zipFile)
```

Create a .zip or .tgz file from file-system folder (recursively). The extension of the specified output file will determine the output format.

JS call:

```
Misc.zipFolder(srcFolder, zipFile)
```

Parameters :

srcFolder - the file-system source folder

zipFile - the output file

Throws :

SiatelException - wrapped error

```
public List getAudit (String objectId, Boolean content, Boolean recurse)
```

Get the audit of a given object, optionally recursing to content and children.

JS call:

```
Misc.getAudit(objectId, content, recurse)
```

Parameters :

objectId - the object whose audit is requested

content - true if immediate children documents' audit should also be queried (applies to

folder/process/pin objects)

recurse - true if children folders' audit should be queried (applies to folder objects)

Returns :

the [List](#) of [AuditEntry](#) objects

Throws :

`SiatelException` - wrapped error

```
public Object attrValue (NativeJavaObject object, String attrIdOrLabel,
NativeJavaObject locale, NativeJavaObject defaultValue)
```

Get the value of an attribute for a given object, based on either attribute id or label, a localization language and optional fallback default value.

JS call:

```
var value = Misc.attrValue(object, attrIdOrLabel, locale,
defaultValue)
```

Parameters :

object - a [Viewable](#) implementing object (folder, process, pin or document)

attrIdOrLabel - the id or the label of the attribute whose values is requested

locale - a [Locale](#) language specifier

defaultValue - the fallback value, depending on attribute type. Can be omitted or `null`.

Returns :

the requested attribute's value (or fallback value if not found or `null` and a fallback value is specified)

Throws :

`SiatelException` - wrapped error

```
public String getExtensionInfo (Object object, String extensionId,
String instanceId, String varName)
```

Get an extension's object-assigned-instance variable value.

JS call:

```
var value = Misc.getExtensionInfo(object, extensionId, instanceId,
varName)
```

Parameters :

object - the object whose extensions to look up

extensionId - the extension id

instanceId - the extension instance id

varName - the variable name

Returns :

the value of the extension instance variable

Throws :

SiatelException - wrapped error

```
public List getExtensionInstanceIds (Object object, String extensionId)
```

List an extension's instances' ids for a given object

JS call:

```
var instanceIds = Misc.getExtensionInstanceIds(object, extensionId)
```

Parameters :

object - the object whose extension to lookup

extensionId - the extension id

Returns :

the [List](#) of extension's instances' ids

Throws :

SiatelException - wrapped error

```
public String getCounterValue (String counterId, Object maybeIncrement)
```

Fetch a new value from a counter attribute. This applies to counter attributes that **DO NOT** have counter instance criteria (like for example folders in which case the attribute would render a counter instance for every folder having said counter attribute in it's form)

JS call:

```
var counterValue = Misc.getCounterValue(counterId, maybeIncrement)
```

Parameters :

counterId - the counter attribute id

maybeIncrement - increment the counter after value retrieved. default true

Returns :

the new counter value

Throws :

SiatelException - wrapped error

```
public String getCounterValueEx (String counterId, NativeJavaObject
instanceSource)
```

Fetch a new value from a counter attribute. This applies to counter attributes that **DO** have counter instance criteria (like for example folders in which case the attribute will render a counter instance for every folder having said counter attribute in it's form)

JS call:

```
var counterValue = Misc.getCounterValue(counterId, instanceSource)
```

Parameters :

counterId - the counter attribute id

instanceSource - the object that instantiates the counter attribute

Returns :

the new counter value

Throws :

SiatelException - wrapped error

```
public String lookupBarcode (String idOrFilePath)
```

Lookup barcodes in an image file obtained either from a document id or a file id or a file path.

JS call:

```
var barcodesValue = Misc.lookupBarcode(idOrFilePath)
```

Parameters :

idOrFilePath - can be a document id or a file id or a file path

Returns :

the found barcodes' content

Throws :

SiatelException - wrapped error

IOException - in case supplied argument is not an id and attempts to render it as file-system path fail

```
public String httpPostRequest (String url, Object _headers, Object
_parameters, Object _body, Object _contentType)
```

Send a HTTP POST request and receive result as string.

JS call:

```
var responseText = Misc.httpPostRequest(url, headers, parameters,
body, contentType)
```

Parameters :

`url` - the URL to send the request to

`_headers` - [Map](#) of headers for the request

`_parameters` - [Map](#) of POST parameters for the request

`_body` - the request body as string

`_contentType` - the payload Content-Type of the HTTP request

Returns :

the response body as text

Throws :

`SiatelException` - wrapped error

`HttpException` - HTTP subsystem deferred error

`IOException` - HTTP subsystem deferred error

```
public String httpGetRequest (String url, NativeJavaObject _headers)
```

Send a HTTP GET request and receive result as string.

JS call:

```
var responseText = Misc.httpGetRequest(url, headers)
```

Parameters :

`url` - the URL to send the request to

`_headers` - [Map](#) of headers for the request

Returns :

the response body as text

Throws :

`SiatelException` - wrapped error

`HttpException` - HTTP subsystem deferred error

`IOException` - HTTP subsystem deferred error

```
public String httpHeadRequest (String url, NativeJavaObject _headers)
```

Send a HTTP HEAD request and receive result as string.

JS call:

```
var responseText = Misc.httpHeadRequest(url, headers)
```

Parameters :

url - the URL to send the request to

_headers - [Map](#) of headers for the request

Returns :

the response body as text

Throws :

SiatelException - wrapped error

HttpException - HTTP subsystem deferred error

IOException - HTTP subsystem deferred error

```
public String httpDownloadRequest (String url, NativeJavaObject
_headers)
```

Send a HTTP GET request and receive result as file on disk.

JS call:

```
var fileName = Misc.httpDownloadRequest(url, headers)
```

Parameters :

url - the URL to send the request to

_headers - [Map](#) of headers for the request

Returns :

the response body as text

Throws :

SiatelException - wrapped error

HttpException - HTTP subsystem deferred error

IOException - HTTP subsystem deferred error

```
public String rebuildId (String partialId)
```

Rebuilds a full ID based on a partial ID.

JS call:

```
var fullId = Misc.rebuildId(partialId)
```

Parameters :

partialId - The partial ID to analyze

Returns :

the real and full ID of the requested object

Throws :

SiatelException - wrapped error

```
public String broadcastDocument (String objectId, NativeJavaObject
_sDate, Object _duration, Object _maxDuration, NativeJavaObject
_actorIds, String ownerId, String managerId, NativeJavaObject _bNotify)
```

Broadcast one or more documents to one or more specific targets.

JS call:

```
var validationCycleId = Misc.broadcastDocument(objectId, startDate,
readDuration, readMaxDuration, actorIds, ownerId, managerId, notify)
```

Parameters :

objectId - document to be broadcasted

_sDate - start date for broadcast vcycle

_duration - duration for 'read' stage

_maxDuration - maximum duration for 'read' stage

_actorIds - who to broadcast to; list of user ids

ownerId - owner of the broadcast operation; defaults to the owner of the document

managerId - manager of the broadcast operation; defaults to the owner of the document

_bNotify - true if recipients are to be notified

Returns :

the broadcast validation cycle ID

Throws :

SiatelException - wrapped error

```
public Object signRequest (String objectId, Object params)
```

Start a sign request for a specific document

Please refer to the section [Misc.signRequest](#) for more detailed information.

JS call:

```
var signRequestId = Misc.signRequest(objectId, signRequestData)
```

Parameters :

`objectId` - the id of the document for which you can start a sign request circuit

`params` - the sign request data, as JSON object

Returns :

the sign request circuit ID

Throws :

`SiatelException` - wrapped error

```
public void createObject (NativeJavaObject _object, String parentId)
```

Create a new document/folder/process. This unifies `Ged.createDocument(...)`, `Ged.createFolder(...)`, `Flow.createProcess(...)`.

JS call:

```
Misc.createObject(object, parentId)
```

Parameters :

`_object` - the folder/document/process object

`parentId` - the id of the parent where to create the folder or document. It does not apply to process targets

Throws :

`SiatelException` - wrapped error

```
public void readObject (Object _object, Object _flags, Object
_attributes)
```

Lazy-load an object (folder/pin/document/process). This method unifies `Ged.readFolder(...)`, `Ged.readPin(...)`, `Ged.readDocument(...)`, `Flow.readProcess(...)`.

JS call:

```
Misc.readObject(object, flags[, attrIds])
```

Parameters :

`_object` - the object to fill in with data loaded from persistence

`_flags` - which fields of the object to retrieve from persistence

`_attributes` - which attributes of the object to retrieve from persistence, packed as javascript array or java native List ; optional, can also be null, empty javascript array or empty java native List

Throws :

`SiatelException` - wrapped error

```
public void updateObject (NativeJavaObject _object, NativeJavaObject
_flags)
```

Update an object (folder/pin/document/process). This method unifies `Ged.updateFolder(...)`, `Ged.updatePin(...)`, `Ged.updateDocument(...)`, `Flow.updateProcess(...)`.

JS call:

```
Misc.updateObject(object, flags)
```

Parameters :

`_object` - the object to update

`_flags` - which fields of the object to save to persistence

Throws :

`SiatelException` - wrapped error

```
public void setAttributeValue (NativeJavaObject _attribute, String
value)
```

Set an attribute's value using a [String](#) representation of it's native internal value. This will internally convert the string value to the accepted native value of the attribute

JS call:

```
Misc.setAttributeValue(attribute, value)
```

Parameters :

`_attribute` - the attribute whose value to set. Must have the `id` and `typeId` properties set

`value` - the attribute value specified as string

Throws :

`SiatelException` - wrapped error

```
public Object getAttributeValue (NativeJavaObject _attribute, String
value)
```

Convert a string value to the accepted native value of an attribute.

JS call:

```
Misc.getAttributeValue(attribute, value)
```

Parameters :

`_attribute` - the attribute whose type to use for conversion. Must have the `id` and `typeId` properties set

`value` - the string value to convert

Throws :

`SiatelException` - wrapped error

```
public boolean checkFlags (NativeJavaObject _ntLongFlags1,
NativeJavaObject _ntLongFlags2)
```

Test two sets of flags against each other and check if the first set contains the second set of flags. Used to rigorously test [Long](#) flag values outside of JavaScript which converts them to JavaScript numbers.

Parameters :

`_ntLongFlags1` -

`_ntLongFlags2` -

Returns :

true if applying bitwise AND between the two values equals the second method argument

Throws :

`SiatelException` - wrapped error

```
public Object renderDelay (String plannerId, Object reference, Object
delay, Object maxDelay)
```

Render a delay in milliseconds according to a planner and a reference point.

JS call:

```
Misc.renderDelay(plannerId, reference, delay, maxDelay)
```

Parameters :

`plannerId` - id of planner that describes working time

`reference` - the [Long](#) millisecond-specified reference point in time

`delay` - the [Long](#) millisecond-specified duration to be rendered according to a planner. Can be negative in which case the delay is rendered backwards (as in 'before the given reference')

`maxDelay` - the [Long](#) millisecond-specified maximum duration allowed; this parameter is optional; if not specified, `Long.MAX_VALUE` will be used

Returns :

the rendered timestamp (in milliseconds)

Throws :

`SiatelException` - wrapped error

```
public Object renderElapsed (String plannerId, Object dateS, Object dateE)
```

Render the activity elapsed duration in milliseconds of a time interval according to a planner.

JS call:

```
Misc.renderElapsed(plannerId, dateS, dateE)
```

Parameters :

`plannerId` - id of planner that describes working time

`dateS` - the [Long](#) millisecond-specified or [Date](#) of time interval start

`dateE` - the [Long](#) millisecond-specified or [Date](#) of time interval end

Returns :

the rendered elapsed duration (in milliseconds)

Throws :

`SiatelException` - wrapped error

```
public Object renderElapsedDays (String plannerId, Object dateS, Object dateE)
```

Render the activity elapsed duration in days of a time interval according to a planner.

JS call:

```
Misc.renderElapsedDays(plannerId, dateS, dateE)
```

Parameters :

`plannerId` - id of planner that describes working time

`dateS` - the [Long](#) millisecond-specified or [Date](#) of time interval start

`dateE` - the [Long](#) millisecond-specified or [Date](#) of time interval end

Returns :

the rendered elapsed duration (in days)

Throws :

`SiatelException` - wrapped error

```
public Object renderTextTemplate (String template, Object attrSource, Object mappings)
```

Render the supplied text template given the attribute source object and extra mappings.

JS call:

```
Misc.renderTextTemplate(templateText, attrSource, mappingsExtra)
```

Parameters :

`template` - the template text, containing markers to be replaced

`attrSource` - the [String](#) id of or [Viewable](#) object containing attributes' values to be used in the evaluation of template markers. This parameter * can be null if template does not base it's rendering on any attribute values belonging to an object

`mappings` - the [Map](#) or native javascript object containing custom extra mappings. This parameter is optional and can be omitted

Returns :

the [String](#) rendered text

Throws :

`SiateException` - wrapped error

PLUGINSCRIPTING

```
public class PluginScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning plugin invocation functionalities. The methods in this class are bound to the JavaScript `Plugin` namespace object's methods and properties.

Constructor summary :

Constructor
<code>PluginScripting ()</code>
<code>PluginScripting (Scriptable scope, Scriptable prototype)</code>

Method summary :

Modifier and type	Method
public java.lang.String	<code>invokePlugin (java.lang.String pluginId, java.lang.String command, NativeJavaObject params)</code>
public boolean	<code>check (java.lang.String pluginId)</code>

Constructor detail :

```
public PluginScripting ()
```

Default constructor.

```
public PluginScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public String invokePlugin (String pluginId, String command,  
NativeJavaObject params)
```

Invoke a plugin.

JS call:

```
Plugin.invokePlugin(pluginId, command, params)
```

Parameters :

`pluginId` - the id of the plugin to invoke

`command` - the plugin specific command to invoke

`params` - [DTO](#) containing the call parameters. This is actually a map of parameter name to parameter value entries.

Returns :

the result (if any). Can be null if no result is provided

Throws :

`SiatelException` - wrapped error

```
public boolean check (String pluginId)
```

Check availability of a plugin.

JS call:

```
Plugin.check(pluginId)
```

Parameters :

`pluginId` - the id of the plugin to check

Returns :

`true` if plugin is installed, licensed and enabled

Throws :

`SiatelException` - wrapped error

SEARCHSCRIPTING

```
public class SearchScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning search functionalities. The methods in this class are bound to the JavaScript `Search` namespace object's methods and properties.

Author :

victorc

Constructor summary :

Constructor
SearchScripting ()
SearchScripting (Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public Expression	newExpression ()
public Expression	newSimpleExpression (NativeJavaScript condition)
public Expression	newComplexExpression (NativeJavaScript left, int operator, NativeJavaScript right)
public Condition	newAttributeCondition (NativeJavaScript attr, int operator, NativeJavaScript value)
public Condition	newFormCondition (java.lang.String formId, int operator)
public Condition	newFTCondition (java.lang.String dbID, java.lang.String text)
public java.util.List	searchAdvanced (java.lang.String databaseId, NativeJavaScript flags, NativeJavaScript expression)
public java.util.List	searchAdvancedExt (java.lang.String databaseId, NativeJavaScript flags, NativeJavaScript expression, NativeJavaScript additionalData)

Constructor detail :

<pre>public SearchScripting ()</pre>

Default constructor.

```
public SearchScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public Expression newExpression ()
```

Create a search [Expression](#) instance.

JS call:

```
Search.newExpression()
```

Returns :

the blank [Expression](#) instance

```
public Expression newSimpleExpression (NativeJavaObject condition)
```

Create a search [Expression](#) instance that has in it's node the [Condition](#) specified as parameter.

JS call:

```
Search.newSimpleExpression(condition)
```

Parameters :

condition - the [Condition](#) to use as in the expression

Returns :

the created [Expression](#) instance

```
public Expression newComplexExpression (NativeJavaObject left, int operator, NativeJavaObject right)
```

Create a search [Expression](#) instance that combines two other expressions using a specified operator or applies the operator (if unary, like negation and `right` is `null`) to the expressions specified as `left`.

JS call:

```
Search.newComplexExpression(left, operator, right)
```

Parameters :

left - an [Expression](#)

operator - the logical operator. One of `Operator.AND`, `Operator.OR`, `Operator.NOT` constants from [Operator](#) class.

right - an [Expression](#) or null if operator is `Operator.NOT`

Returns :

the created [Expression](#) instance

```
public Condition newAttributeCondition (NativeJavaObject attr, int
operator, NativeJavaObject value)
```

Create a comparison [Condition](#) instance that will test an attribute's value using an operator and a reference value.

JS call:

```
Search.newAttributeCondition(attr, operator, value)
```

Parameters :

attr - the [Attribute](#) whose value to test

operator - the comparison operator. One of `Operator.IN` (is null), `Operator.NN` (not null), `Operator.EQ` (equals), `Operator.NE` (not equals), `Operator.LT` (less than), `Operator.LE` (less or equal), `Operator.GE` (greater or equal), `Operator.GT` (greater than), `Operator.SW` (starts with), `Operator.EW` (ends with), `Operator.CT` (contains), `Operator.NC` (does not contain) constants from [Operator](#) class. The following operators do not require a reference value: `Operator.IN`, `Operator.NN`. The following operators apply only to string-valued attributes (including 'list' types): `Operator.SW`, `Operator.EW`, `Operator.CT`, `Operator.NC`

value - the reference value used for comparison where operators require it

Returns :

the created [Condition](#) instance

```
public Condition newFormCondition (String formId, int operator)
```

Create a comparison [Condition](#) instance that will test the forms of searchable entities against a specific form specified by id.

JS call:

```
Search.newFormCondition(formId, operator)
```

Parameters :

formId - the id of the form used as comparison reference

operator - the comparison operator. `Operator.EQ` (equals), `Operator.NE` (not equals) constants from [Operator](#) class

Returns :

the created [Condition](#) instance

```
public Condition newFTCondition (String dbID, String text)
```

Create a comparison [Condition](#) instance that will test the fulltext of searchable entities against a specific text.

JS call:

```
Search.newFTCondition(dbID, text)
```

Parameters :

dbID - the database id to search text into

text - the text

Returns :

the created [Condition](#) instance

```
public List searchAdvanced (String databaseId, NativeJavaObject flags,
NativeJavaObject expression)
```

Advanced search invocation.

JS call:

```
Search.advancedSearch(databaseId, flags, expression)
```

Parameters :

databaseId - the database to search

flags - [Long](#) combination of flags to customize the list of search results. See [com.siatel.domain.Flag](#)

expression - the search [Expression](#)

Returns :

the list of hits as [List](#) <[SearchResult](#)>

Throws :

[SiatelException](#) - wrapped error

```
public List searchAdvancedExt (String databaseId, NativeJavaObject
flags, NativeJavaObject expression, NativeJavaObject additionalData)
```

Advanced search invocation.

JS call:

```
Search.advancedSearchExt(databaseId, flags, expression,
additionalData)
```

Parameters :

databaseId - the database to search

flags - [Long](#) combination of flags to customize the list of search results. See [com.siatel.domain.Flag](#)

expression - the search [Expression](#)

additionalData - additional data for search; will be added to the search context object

Returns :

the list of hits as [List](#) <[SearchResult](#)>

Throws :

SiatelException - wrapped error

SIATELFACTORY

```
public class SiatelFactory
```

This scripting utility-class wraps methods accessible from the scripting engine concerning object creation functionalities. The methods in this class are bound to the JavaScript `SiatelFactory` namespace object's methods and properties.

Author :

stefanu

Constructor summary :

Constructor	
SiatelFactory	()
SiatelFactory	(Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public java.lang.Object	newObject (java.lang.String idOrPref)
public java.lang.Object	newLabeledObject (java.lang.String prefix, java.lang.String label)
public java.lang.Object	newAccessMask (java.lang.String identityId, java.lang.Boolean visible,

```
java.lang.NativeJavaObject lMask, java.lang.Boolean
revoke)
```

Constructor detail :

```
public SiatelFactory ()
```

Default constructor.

```
public SiatelFactory (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public Object newObject (String idOrPref)
```

Creates an object according to the requested type

JS call:

```
var obj = SiatelFactory.newObject(idOrPref)
```

Parameters :

idOrPref - Either a full identifier or just the object prefix

Returns :

the newly created object

```
public Object newLabeledObject (String prefix, String label)
```

Creates an object according the the requested type and label; useful when reading objects by label from the database; please note that this rreading method only works with objects that have unique labels, such as attributes or databases.

JS call:

```
var obj = SiatelFactory.newLabeledObject(prefix, label)
```

Parameters :

prefix - the required object prefix

label - the label

Returns :

the newly created object

```
public Object newAccessMask (String identityId, Boolean visible,  
NativeJavaScript lMask, Boolean revoke)
```

Creates an access mask for a given entity; access masks are grouped in a security profile, either custom or globally defined

JS call:

```
var amask = SiatelFactory.newAccessMask(identityId, visible, lMask,  
revoke)
```

Parameters :

`identityId` - indicates the entity identifier; can be either a group, role or an user.

`visible` - indicates whether the entity can view or not the object

`lMask` - the access mask; a combination of right flags

`revoke` - indicates whether it's a revoked mask

Returns :

the access mask itself; use it as part of a security profile

STORAGESCRIPTING

```
public class StorageScripting
```

This scripting utility-class wraps methods accessible from the scripting engine concerning storage functionalities. The methods in this class are bound to the JavaScript `Storage` namespace object's methods and properties.

Author :

victorc

Constructor summary :

Constructor
StorageScripting ()
StorageScripting (Scriptable scope, Scriptable prototype)

Method summary :

Modifier and type	Method
public java.lang.String	storeFile (java.lang.String databaseId, java.lang.String filePath, java.lang.Boolean forceSystemStorage)
public java.lang.String	newFile (java.lang.String extension, java.lang.String fileText)
public java.lang.String	createFile (java.lang.String databaseId, java.lang.String extension, java.lang.String fileText, java.lang.Boolean forceSystemStorage)
public java.lang.String	createTextFile (java.lang.String databaseId, java.lang.String fileText, java.lang.Boolean forceSystemStorage)
public java.lang.String	copyFile (java.lang.String fileId, java.lang.String databaseId, java.lang.Boolean forceSystemStorage)
public void	deleteFile (java.lang.String fileId)
public void	cacheFile (java.lang.String fileId, java.lang.String dir)
public void	replaceFile (java.lang.String fileId, java.lang.String filePath)
public com.siatel.dto.DTO	readDtoFile (java.lang.String fileId)

public void	writeDtoFile (java.lang.String fileId, NativeJavaObject dto)
public java.lang.String	readTextFile (java.lang.String fileId)
public void	writeTextFile (java.lang.String text, java.lang.String fileIdOrPath)
public java.lang.String	renderStreamingUrl (java.lang.String fileId)

Constructor detail :

```
public StorageScripting ()
```

Default constructor.

```
public StorageScripting (Scriptable scope, Scriptable prototype)
```

Base class constructor.

Parameters :

scope -

prototype -

Method detail :

```
public String storeFile (String databaseId, String filePath, Boolean forceSystemStorage)
```

Store a file for a specified database.

JS call:

```
var fileId = Storage.storeFile(databaseId, filePath, forceSystemStorage)
```

Parameters :

databaseId - the database for which to store the file. The administration database (used for resources for example) is specified as database with numeric id '0'

filePath - path to the file to store

forceSystemStorage - force the system storage. This parameter is optional

Returns :

the id of the stored file

Throws :

SiatelException - wrapped error

```
public String newFile (String extension, String fileText)
```

Create a new temporary text file with a given extension and text content.

JS call:

```
var tempFilePath = Storage.newFile(extension, fileText)
```

Parameters :

extension - the file extension without the '.' prefix

fileText - the file text content

Returns :

the path to the newly created file

Throws :

IOException - file-system error

```
public String createFile (String databaseId, String extension, String  
fileText, Boolean forceSystemStorage)
```

Create a file with the given extension for a specified database given specified text as content.

JS call:

```
var fileId = Storage.createFile(databaseId, extension, text,  
forceSystemStorage)
```

Parameters :

databaseId - the database for which to store the file. The administration database (used for resources for example) is specified as database with numeric id '0'

extension - extension for the file to be created without the '.' prefix

fileText - text content for the file to be created

forceSystemStorage - force the system storage. This parameter is optional

Returns :

the id of the stored text file

Throws :

SiatelException - wrapped error

```
public String createTextFile (String databaseId, String fileText,
```

```
Boolean forceSystemStorage)
```

Create a text file for a specified database given specified text as content.

JS call:

```
var fileId = Storage.createTextFile(databaseId, text,
forceSystemStorage)
```

Parameters :

databaseId - the database for which to store the file. The administration database (used for resources for example) is specified as database with numeric id '0'

fileText - text content for the file to be created

forceSystemStorage - force the system storage. This parameter is optional

Returns :

the id of the stored text file

Throws :

SiatelException - wrapped error

```
public String copyFile (String fileId, String databaseId, Boolean
forceSystemStorage)
```

Copy a stored file to a new file to be stored for a specified database.

JS call:

```
var copyFileId = Storage.copyFile(fileId, databaseId,
forceSystemStorage)
```

Parameters :

fileId - the id of the file to be used as copy source

databaseId - the database for which to store the copy file. The administration database (used for resources for example) is specified as database with numeric id '0'

forceSystemStorage - force the system storage. This parameter is optional

Returns :

the id of the stored copy-file

Throws :

SiatelException - wrapped error

```
public void deleteFile (String fileId)
```

Delete a file from storage, based on it's id.

JS call:

```
Storage.deleteFile(fileId)
```

Parameters :

fileId - the id of the file to delete

Throws :

SiatelException - wrapped error

```
public void cacheFile (String fileId, String dir)
```

Extract a stored file to a specified location.

JS call:

```
Storage.cacheFile(fileId, dir)
```

Parameters :

fileId - the id of the file to extract

dir - the location where to extract the file. The extracted file will be named by it's id in the extraction location

Throws :

SiatelException - wrapped error

```
public void replaceFile (String fileId, String filePath)
```

Replace a stored file's content with the content of a file specified by path.

JS call:

```
Storage.replaceFile(fileId, filePath)
```

Parameters :

fileId - the id of the file whose content to replace

filePath - the file whose content is to be used as replacement source

Throws :

SiatelException - wrapped error

```
public DTO readDtoFile (String fileId)
```

Read the content of a stored file and return it's content as a [DTO](#) instance. The content of the file should be a previously written DTO or conform to the DTO serialization encoding.

JS call:

```
var dto = Storage.readDtoFile(fileId)
```

Parameters :

fileId - the id of the file to read

Returns :

the DTO-parsed content of the file

Throws :

SiatelException - wrapped error

```
public void writeDtoFile (String fileId, NativeJavaObject dto)
```

Replace the content of a file specified by id with the serialized rendition of a [DTO](#) instance.

JS call:

```
Storage.writeDtoFile(fileId, dto)
```

Parameters :

fileId - the id of the file to be used as copy source

dto - the dto whose content is serialized and used as source for the content replacement

Throws :

SiatelException - wrapped error

```
public String readTextFile (String fileId)
```

Read the content of a stored file and return it's content as text.

JS call:

```
var text = Storage.readTextFile(fileId)
```

Parameters :

fileId - the id of the file to read

Returns :

the text content of the file

Throws :

SiatelException - wrapped error

```
public void writeTextFile (String text, String fileIdOrPath)
```

Replace the content of a file specified by id with specified text.

JS call:

```
Storage.writeTextFile(text, fileIdOrPath)
```

Parameters :

`text` - the text content to be used as source for content replacement

`fileIdOrPath` - the id or absolute path of the file to be used as content replacement target

Throws :

`SiatelException` - wrapped error

```
public String renderStreamingUrl (String fileId)
```

Render the streaming-usable url of a file.

JS call:

```
var url = Storage.writeTextFile(text, fileIdOrPath)
```

Parameters :

`fileId` - the id of the file whose content streaming is pursued

Returns :

the url to be used for streaming (e.g. in a streaming player application or browser)

Throws :

`SiatelException` - wrapped error

PACKAGE COM.SIATEL.DEFS

This package contains interface definitions that group domain object properties.

INTERFACES

ARCHIVE

```
public interface Archive
```

Accessor wrapper interface for archive enabled objects ([ArchiveFolder](#), [ArchiveDocument](#), [ArchiveDocumentVersion](#), [ArchiveNote](#)).

Since :

7.5

Method summary :

Modifier and type	Method
public java.util.Date	getDateArchive ()
public void	setDateArchive (java.util.Date d)

Method detail :

```
public Date getDateArchive ()
```

Accessor.

Returns :

the date when object was archived

```
public void setDateArchive (Date d)
```

Accessor.

Parameters :

d - the value to set for the date when object was archived.

COMMENTED

```
public interface Commented
```

Commented objects are objects that have a comment; this comment has no other purpose than help the administrator or users understand the purpose of the object.

Since :

7.5

See also :

[Labeled](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getComment ()
public void	setComment (java.lang.String comment)

Method detail :

```
public String getComment ()
```

Returns :

the comment for the specified object

```
public void setComment (String comment)
```

Parameters :

`comment` - the new comment for the specified object

DATED

```
public interface Dated
```

Dated interface is implemented by all objects that can have a creation date and a modification date; the Dated objects can be traced.

Since :

7.0

Author :

stefanu

See also :

[DatedEx](#)

Method summary :

Modifier and type	Method
public java.util.Date	getDateC ()
public void	setDateC (java.util.Date dateC)
public java.util.Date	getDateM ()
public void	setDateM (java.util.Date dateM)

Method detail :

```
public Date getDateC ()
```

Returns :

the creation date and time of the specified object

```
public void setDateC (Date dateC)
```

Parameters :

dateC - the new creation date and time for the specified object

```
public Date getDateM ()
```

Returns :

the last modification date and time of the specified object

```
public void setDateM (Date dateM)
```

Parameters :

dateM - the new last modification date and time of the specified object

DATEDEx

```
public interface DatedEx
```

DatedEx objects keep track of the last access date and time, as an extension to the Dated objects that keep track of the creation and last modification date and time

All Superinterfaces :

[Dated](#)

Since :

7.0

See also :

[Dated](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public java.util.Date	getDateA ()
public void	setDateA (java.util.Date dateA)

Method detail :

```
public Date getDateA ()
```

Returns :

the last access date and time for the specified object

```
public void setDateA (Date dateA)
```

Parameters :

dateA - the new last access date and time for the specified object

DELETABLE

```
public interface Deletable
```

The Deletable interface is used by all objects that have a flag for delete.

Since :

7.9

Author :

ying

Method summary :

Modifier and type	Method
public boolean	getDeleted ()
public void	setDeleted (boolean deleted)
public java.util.Date	getDateDel ()
public void	setDateDel (java.util.Date dateDel)
public int	getDeletedBy ()
public void	setDeletedBy (int deletedBy)

Method detail :

```
public boolean getDeleted ()
```

Returns :

true if object is in trash

```
public void setDeleted (boolean deleted)
```

Parameters :

deleted - the new 'deleted to trash' status for the object

```
public Date getDateDel ()
```

Returns :

the date and time when the object was moved to trash

```
public void setDateDel (Date dateDel)
```

Parameters :

dateDel - the date and time when the object was moved to trash

```
public int getDeletedBy ()
```

Returns :

numeric id of user who moved the object to trash

```
public void setDeletedBy (int deletedBy)
```

Parameters :

deletedBy - the numeric id of user who moved the object to trash

DEPLOYABLE

```
public interface Deployable
```

Deployable objects are design objects; most of the design objects are not meant to be put in production immediately; this means that creating such an object may require significant time and effort from the system administrator, and the system state may become unstable if such objects are made available for the users immediately after they've been saved into the database. Such objects are, for instance, processes. processes are complex objects that must not be put into production immediately; the processes are created (which may require even more than one week's work from the system administrator), then 'deployed' once the process is ready to work as intended. Users have access to Deployable objects only when then are deployed; otherwise, these objects are only available in the administrative tools. Some objects may require validation or compilation as they are deployed. Validation errors will block the deploy command and leave the object in an undeployed state.

Since :

7.0

See also :

[DeployableEx](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public boolean	isDeployed ()
public void	setDeployed (boolean deployed)

Method detail :

```
public boolean isDeployed ()
```

Returns :

the deployment status of the specified object

```
public void setDeployed (boolean deployed)
```

Parameters :

deployed - the new deployment status for the specified object

DEPLOYABLEEX

```
public interface DeployableEx
```

DeployableEx objects are objects that take an alternate form when deployed; an example are the form objects; when deployed, these objects are 'compiled' into JSP pages that can be displayed by the JSP engine. When DeployableEx objects are deployed, a secondary file is created and stored for use in production.

All Superinterfaces :

[Deployable](#)

Since :

7.0

See also :

[Deployable](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getDeploymentId ()
public void	setDeploymentId (java.lang.String deploymentId)
public long	getDeploymentTimestamp ()
public void	setDeploymentTimestamp (long millis)

Method detail :

```
public String getDeploymentId ()
```

Returns :

the deployment ID for the specified object

```
public void setDeploymentId (String deploymentId)
```

Parameters :

deploymentId - the new deployment ID for the specified object

```
public long getDeploymentTimestamp ()
```

Returns :

the deployment time stamp for the specified object; this time stamp is required by the deployment operation to assess the need of transformation, checking that the deployed object has been modified since last deployment command

```
public void setDeploymentTimestamp (long millis)
```

Parameters :

`millis` - the new deployment time stamp for the specified object

DESCRIBED

```
public interface Described
```

Described objects are objects that have a description; this description has no other purpose than help the administrator or users understand the purpose of the object.

Descriptions may be displayed as tooltips by the user interface.

Since :

7.0

See also :

[Labeled](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getDescription ()
public void	setDescription (java.lang.String description)

Method detail :

```
public String getDescription ()
```

Returns :

the description for the specified object

```
public void setDescription (String description)
```

Parameters :

`description` - the new description for the specified object

EXPIRABLE

```
public interface Expirable
```

Expirable objects are part of the workflow related objects; these objects have an due date and an expiration date; when the due date is reached, the object is not yet expired, but it will be signaled by the user interface differently; the due date and the expiration date are needed by the task and process state transition algorithm

Since :

7.0

Author :

stefanu

Method summary :

Modifier and type	Method
public java.util.Date	getDateD ()
public void	setDateD (java.util.Date dateD)
public boolean	isOverdue ()
public void	setOverdue (boolean overdue)
public void	setDateX (java.util.Date dateX)
public boolean	isExpired ()
public void	setExpired (boolean expired)

Method detail :

```
public Date getDateD ()
```

Returns :

the due date of the specified object

```
public void setDateD (Date dateD)
```

Parameters :

dateD - the new due date for the specified object

```
public boolean isOverdue ()
```

Returns :

the overdue status of the specified object

```
public void setOverdue (boolean overdue)
```

Parameters :

overdue - the new overdue status of the specified object

```
public void setDateX (Date dateX)
```

Parameters :

dateX - the new expiration date for the specified object

```
public boolean isExpired ()
```

Returns :

the expiration status for the specified object

```
public void setExpired (boolean expired)
```

Parameters :

expired - the new expiration status for the specified object

FLAGGED

```
public interface Flagged
```

Flagged objects are objects that may have a set of flags associated with them. Flags are defined by the [Flag](#) constants, and are ORed constants

Since :

7.0

See also :

[Flag](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public long	getFlags ()
public void	setFlags (long flags)
public boolean	checkFlags (long flags)

Method detail :

```
public long getFlags ()
```

Returns :

the flags for the specified object

```
public void setFlags (long flags)
```

Parameters :

flags - the new flags for the specified object

```
public boolean checkFlags (long flags)
```

Parameters :

flags - the flags to be checked for the specified object

IDENTIFIED

```
public interface Identified
```

The Identified interface is the very heart of the the Gargantua system. It sets an identification system that all objects handled by the system must follow.

The Identified interface is implemented by almost all objects within the Gargantua system, as all the objects handled by the server must have a unique identifier. here are two types of identifiers for each type of object : a numeric identifier and a string identifier.

The numeric identifier is used to uniquely identify objects of the same type.

Because unique numeric identifiers cannot globally and uniquely identify objects, a global identifier system was designed. the purpose of such an identifying system is, first, to uniquely identify objects throughout the system, and secondly, to be able to get a maximum amount of information about an object position within the database just by examining the object identification string. These string identifiers have always the same character length, thus enabling consistent handling, and always hold at least the object type, the database ID of the database that stores the object and the object numeric identification; additionally, some objects contain other numeric identifications such as, for a document, the numeric container folder identification.

The structure of the string identification is specific to each object and is explained for each and every one of the objects within the object's documentation

As of release 7.4 this interface extends [Parsable](#) which wraps the 'prefix' property and the '[Parsable#parse](#)' method. These methods have been pulled up from previous version of `Identified`.

All Superinterfaces :

[Parsable](#) , [PropertyEnhancer](#)

Since :

7.0

See also :

[IdFormat](#) , [Prefix](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getId ()

public void	setId (java.lang.String id)
public int	getDbId ()
public void	setDbId (int id)
public int	getNumeric (int i)
public void	setNumeric (int i, int numeric)

Method detail :

```
public String getId ()
```

Returns :

the string identification of the specified object

```
public void setId (String id)
```

Parameters :

id - the new string identification for the object

```
public int getDbId ()
```

Returns :

the numeric database ID that stores the specified object

```
public void setDbId (int id)
```

Parameters :

id - the new numeric database ID that stores the specified object

```
public int getNumeric (int i)
```

Parameters :

i - the numeric ID index

Returns :

the numeric ID at the specified index

```
public void setNumeric (int i, int numeric)
```

Parameters :

i - the numeric ID index

numeric - the new numeric ID for the specified index

LABELED

```
public interface Labeled
```

The Labeled interface is used by all objects that have a label, which is almost every public Gargantua object.

Since :

7.0

See also :

[Described](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getLabel ()
public void	setLabel (java.lang.String label)

Method detail :

```
public String getLabel ()
```

Returns :

the label for the specified object

```
public void setLabel (String label)
```

Parameters :

label - the new label for the specified object

LIFECYCLED

```
public interface Lifecycled
```

Lifecycled objects are objects that may change automatically over time. The lifecycle of such objects may be customized by the system administrator, as well as the events that trigger a lifecycle state change. For instance, objects may be automatically archived after a specified period of inactivity or documents may be published if a certain attribute has changed to a specific value.

This interface is obsolete as of 7.8

All Superinterfaces :

[Timed](#)

Deprecated :

Author :

stefanu

MANAGED

```
public interface Managed
```

Managed objects are objects that have an associated user that acts as a manager. Such objects are, for instance, processes.

Since :

7.0

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getManagerId ()
public void	setManagerId (java.lang.String managerId)

Method detail :

```
public String getManagerId ()
```

Returns :

the manager identification for the specified object

```
public void setManagerId (String managerId)
```

Parameters :

managerId - the new manager identification for the specified object

MODIFIED

```
public interface Modified
```

Modified objects are objects that keep track of the user identification that modified them; (viewable objects)

ModifiedBy are always physical users, never groups or roles.

All Superinterfaces :

[Dated](#)

Since :

7.10

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getModifiedBy ()
public void	setModifiedBy (java.lang.String modifiedBy)
public int	getModifiedByNumeric ()
public void	setModifiedByNumeric (int modifiedBy)

Method detail :

```
public String getModifiedBy ()
```

Returns :

the modifiedBy the user who modify the specified object

```
public void setModifiedBy (String modifiedBy)
```

Parameters :

modifiedBy - the user who modify the specified object

```
public int getModifiedByNumeric ()
```

Returns :

the numeric of the modifiedById

```
public void setModifiedByNumeric (int modifiedBy)
```

Parameters :

`modifiedBy` - the numeric of the `modifiedById`

NUMBERED

```
public interface Numbered
```

The Numbered interface is used by all objects that have an index within a certain context (for example any object version within object history).

Since :

7.5

Author :

andreea

Method summary :

Modifier and type	Method
public int	getNumber ()
public void	setNumber (int number)

Method detail :

```
public int getNumber ()
```

Returns :

the index of the specified object

```
public void setNumber (int number)
```

Parameters :

number - the new index for the specified object

OWNED

```
public interface Owned
```

Owned objects are objects that keep track of the user identification that created them; most objects of the Gargantua system are owned, since the security mechanism uses owners to give them specific rights.

Owners are always physical users, never groups or roles.

Since :

7.0

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getOwnerId ()
public void	setOwnerId (java.lang.String ownerId)
public int	getOwnerIdNumeric ()
public void	setOwnerIdNumeric (int ownerId)

Method detail :

```
public String getOwnerId ()
```

Returns :

the owner identification for the specified object

```
public void setOwnerId (String ownerId)
```

Parameters :

ownerId - the new owner identification for the specified object

```
public int getOwnerIdNumeric ()
```

Returns :

the numeric owner identification for the specified object

```
public void setOwnerIdNumeric (int ownerId)
```

Parameters :

`ownerId` - the new numeric owner identification for the specified object

PACKAGEABLE

```
public interface Packageable
```

The Packageable interface is used by all objects that can be grouped in a package.

Since :

7.10

See also :

[Described](#)

Author :

danieln

Method summary :

Modifier and type	Method
public java.util.List	getPackages ()
public void	setPackages (java.util.List packages)

Method detail :

```
public List getPackages ()
```

Obtains the packages ids that the object is part of

```
public void setPackages (List packages)
```

Sets the ids of packages that the object is part of

Parameters :

packages - the list of packages

PARSABLE

```
public interface Parsable
```

Wrapper for parsable objects requirements.

Since :

7.4

Author :

elf

Method summary :

Modifier and type	Method
public java.lang.String	getPrefix ()
public void	setPrefix (java.lang.String prefix)
public void	parse (java.lang.String tokens)

Method detail :

```
public String getPrefix ()
```

Returns :

returns the prefix (type) of the specified object

```
public void setPrefix (String prefix)
```

Parameters :

prefix - the new prefix (type) for the specified object

```
public void parse (String tokens)
```

Initialize using string parsed tokens.

Parameters :

tokens - string parsed tokens used for initialization when object initialized from string

PRESENTED

```
public interface Presented
```

Presented objects are objects that have presentation options. They specify which attributes must be displayed

Since :

7.0

See also :

[SearchTemplate](#)

Author :

alexis

Method summary :

Modifier and type	Method
public java.lang.String	getPresentationFileId ()
public void	setPresentationFileId (java.lang.String fileId)

Method detail :

```
public String getPresentationFileId ()
```

Returns :

the presentation file ID for the specified object

```
public void setPresentationFileId (String fileId)
```

Parameters :

fileId - the presentation file ID for the specified object

PRIORITIZED

```
public interface Prioritized
```

Prioritized objects are objects that may be sorted according to a user set priority

Since :

7.0

See also :

[Priority](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public int	getPriority ()
public void	setPriority (int priority)

Method detail :

```
public int getPriority ()
```

Returns :

the priority for the specified object

```
public void setPriority (int priority)
```

Parameters :

`priority` - the new priority for the specified object

PRIVILEGED

```
public interface Privileged
```

Privileged objects are objects that have a privileges descriptor

Since :

7.11

Author :

mariusz

REALIZED

```
public interface Realized
```

Realized objects are objects that have an associated file; it is the responsibility of the business code to store and retrieve the files from the Gargantua file server accordingly.

Since :

7.0

See also :

[RealizedEx](#) , [com.siatel.framework.service.storage.StorageLibrary](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getFileId ()
public void	setFileId (java.lang.String fileId)

Method detail :

```
public String getFileId ()
```

Returns :

the file ID for the specified object

```
public void setFileId (String fileId)
```

Parameters :

fileId - the new file ID for the specified object

REALIZEDEx

```
public interface RealizedEx
```

RealizedEx objects are objects that need to keep track of the file size and file date that is stored within the Gargantua file server. In order to accelerate access to this information, these objects store this information internally, rather than retrieving it from the file server on a need-to-access basis. It is the responsibility of the business code to keep this information up to date and consistent with the actual file information.

All Superinterfaces :

[Realized](#)

Since :

7.0

See also :

[Realized](#) , [com.siatel.framework.service.storage.StorageLibrary](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public long	getFileSize ()
public void	setFileSize (long size)
public java.lang.String	getFileType ()
public void	setFileType (java.lang.String fileType)

Method detail :

```
public long getFileSize ()
```

Returns :

the file size for the specified object

```
public void setFileSize (long size)
```

Parameters :

size - new the file size for the specified object

```
public String getFileType ()
```

Returns :

the file type for the specified object

```
public void setFileType (String fileType)
```

Parameters :

fileType - the new file type for the specified object

REFERENCED

```
public interface Referenced
```

Referenced objects are objects that must keep a reference count per actual object.

Since :

7.0

Author :

stefanu

Method summary :

Modifier and type	Method
public int	getRefCount ()
public void	setRefCount (int refCount)

Method detail :

```
public int getRefCount ()
```

Returns :

the reference count for the specified object

```
public void setRefCount (int refCount)
```

Parameters :

refCount - the new reference count for the specified object.

REPLICABLE

```
public interface Replicable
```

Replicable objects are objects that may be copied.

Since :

7.0

Author :

stefanu

Method summary :

Modifier and type	Method
public void	replicate (com.siatel.defs.Identified replica)
public void	replicateFillOnly (com.siatel.defs.Identified replica)

Method detail :

```
public void replicate (Identified replica)
```

Parameters :

replica - the object that will be set to be a replica of the specified object.

```
public void replicateFillOnly (Identified replica)
```

Parameters :

replica - the object that will be set to be a replica of the specified object. Only null-value properties will be replicated, hence 'fillOnly'

SAMPLED

```
public interface Sampled
```

Sampled objects are objects that have an associated sample file; it is the responsibility of the business code to store and retrieve the files from the Gargantua file server accordingly.

Since :

7.5

See also :

com.siatel.framework.service.storage.StorageLibrary

Author :

elf

Method summary :

Modifier and type	Method
public java.lang.String	getSampleFileId ()
public void	setSampleFileId (java.lang.String fileId)

Method detail :

```
public String getSampleFileId ()
```

Returns :

the sample file ID for the specified object

```
public void setSampleFileId (String fileId)
```

Parameters :

fileId - the new sample file ID for the specified object

SECURABLE

```
public interface Securable
```

Securable interface is implemented by all objects that can have a security profile.

Since :

7.3

Author :

manuelam, elf

Method summary :

Modifier and type	Method
public java.lang.String	getSecurityProfileId ()
public void	setSecurityProfileId (java.lang.String securityProfile)
public int	getSecurityProfileIdNumeric ()
public void	setSecurityProfileIdNumeric (int securityProfileId)
public long	getSecurityMask ()
public void	setSecurityMask (long securityMask)

Method detail :

```
public String getSecurityProfileId ()
```

Accessor.

Returns :

the security profile of the specified object

```
public void setSecurityProfileId (String securityProfile)
```

Accessor.

Parameters :

securityProfile - the new security profile for the specified object

```
public int getSecurityProfileIdNumeric ()
```

Accessor.

Returns :

the numeric relevant part of the security profile id

```
public void setSecurityProfileIdNumeric (int securityProfileId)
```

Accessor.

Parameters :

securityProfileId - the numeric part of the security profile id

```
public long getSecurityMask ()
```

Accessor.

Returns :

the rendered security mask of the specified object (by connection)

```
public void setSecurityMask (long securityMask)
```

Accessor.

Parameters :

securityMask - the security mask for the specified object

SHARED

```
public interface Shared
```

Sharing support field accessors declarations.

Since :

7.0

Author :

victorc

Field summary :

Modifier and type	Field
public static final int	UNLOCK
public static final int	LOCK
public static final int	CHECK_OUT

Method summary :

Modifier and type	Method
public java.lang.String	getLockedBy ()
public void	setLockedBy (java.lang.String userId)
public int	getLockType ()
public void	setLockType (int lockType)
public boolean	isLocked ()
public java.util.Date	getDateL ()
public void	setDateL (java.util.Date dateL)
public java.lang.Long	getValidMillis ()
public void	setValidMillis (java.lang.Long millis)

Field detail :

```
public static final int UNLOCK = -1
```

Lock type constant defining the 'unlocked' object state.

```
public static final int LOCK = 0
```

Lock type constant defining the 'locked' object state.

```
public static final int CHECK_OUT = 1
```

Lock type constant defining the 'exclusive lock' object state.

Method detail :

```
public String getLockedBy ()
```

Accessor.

Returns :

the id of the user responsible for the 'locked' or 'locked exclusively' state of the object

```
public void setLockedBy (String userId)
```

Accessor.

Parameters :

userId - the id of the user responsible for the 'locked' or 'locked exclusively' state of the object

```
public int getLockType ()
```

Accessor.

Returns :

the lock type/state

```
public void setLockType (int lockType)
```

Accessor.

Parameters :

lockType - the lock type/state

```
public boolean isLocked ()
```

Accessor

Returns :

true if current object lock type is not {@link #UNLOCK}, false otherwise

```
public Date getDateL ()
```

Accessor.

Returns :

the lock date if current object lock type is not {@link #UNLOCK}

```
public void setDateL (Date dateL)
```

Accessor.

Parameters :

dateL - the lock date if current object lock type is not [#UNLOCK](#)

```
public Long getValidMillis ()
```

Accessor.

Returns :

the validity duration of the current object lock if lock type not {@link #UNLOCK}

```
public void setValidMillis (Long millis)
```

Accessor

Parameters :

millis - the validity duration of the current object lock if lock type not [#UNLOCK](#)

SIGNABLE

```
public interface Signable
```

Signable objects are objects that keep track of the user identification that signed them; (viewable objects)

SignedBy are always physical users, never groups or roles.

Since :

8.0 / 2018.07

Author :

victorc

Method summary :

Modifier and type	Method
public java.util.Date	getSignedDate ()
public void	setSignedDate (java.util.Date date)
public java.lang.String	getSignedBy ()
public void	setSignedBy (java.lang.String signedBy)
public java.lang.Integer	getSignedByNumeric ()
public void	setSignedByNumeric (int signedBy)
public java.lang.Integer	getSignatureType ()
public void	setSignatureType (java.lang.Integer sigType)

Method detail :

```
public Date getSignedDate ()
```

Returns :

the last signature date and time of the specified object

```
public void setSignedDate (Date date)
```

Parameters :

date - the new signature date and time of the specified object

```
public String getSignedBy ()
```

Returns :

the signedBy the user who signed the specified object

```
public void setSignedBy (String signedBy)
```

Parameters :

signedBy - the user who signed the specified object

```
public Integer getSignedByNumeric ()
```

Returns :

the numeric of the signedById

```
public void setSignedByNumeric (int signedBy)
```

Parameters :

signedBy - numeric of the signedById

```
public Integer getSignatureType ()
```

Returns :

the signature type. One of {@code SIG_TYPE_...} constants.

```
public void setSignatureType (Integer sigType)
```

Parameters :

the - signature type. One of {@code SIG_TYPE_...} constants. {@code null} supported.

TAGGED

```
public interface Tagged
```

Tagged objects are objects that may have a set of tags associated with them. Tags are defined by the [Tag](#) constants, and are ORed constants

Since :

7.0

See also :

[Tag](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public long	getTags ()
public void	setTags (long tags)

Method detail :

```
public long getTags ()
```

Returns :

the tags for the specified object

```
public void setTags (long tags)
```

Parameters :

tags - the new tags for the specified object

TIMEBOXED

```
public interface Timeboxed
```

This interface is for objects that have a due (estimated) and an expiry (validity) duration.

Since :

7.9

Author :

victorc

Method summary :

Modifier and type	Method
public java.lang.Long	getDelayD ()
public void	setDelayD (java.lang.Long delayD)
public java.lang.Long	getDelayX ()
public void	setDelayX (java.lang.Long delayX)

Method detail :

```
public Long getDelayD ()
```

Returns :

due (estimated) delay value in millis

```
public void setDelayD (Long delayD)
```

Parameters :

delayD - the new due delay value in millis

```
public Long getDelayX ()
```

Returns :

expiry (validity) delay value in millis

```
public void setDelayX (Long delayX)
```

Parameters :

delayX - the new expiry delay value in millis

TIMEBOXEDEx

```
public interface TimeboxedEx
```

This interface is for [Timeboxed](#) objects that can specify the due (estimated) and expiry (validity) duration in a attributes specified by id.

All Superinterfaces :

[Timeboxed](#)

Since :

7.9

Author :

victorc

Method summary :

Modifier and type	Method
public java.lang.String	getDelayDAttrId ()
public void	setDelayDAttrId (java.lang.String delayDAttrId)
public java.lang.String	getDelayXAttrId ()
public void	setDelayXAttrId (java.lang.String delayXAttrId)

Method detail :

```
public String getDelayDAttrId ()
```

Returns :

due delay attribute id

```
public void setDelayDAttrId (String delayDAttrId)
```

Parameters :

delayDAttrId - id of attribute whose value will specify the delay

```
public String getDelayXAttrId ()
```

Returns :

expiry delay attribute id

```
public void setDelayXAttrId (String delayXAttrId)
```

Parameters :

`delayXAttrId` - id of attribute whose value will specify the delay

TIMED

```
public interface Timed
```

Wrapper for timed objects (processes, tasks) support accessors.

Since :

7.0

Author :

stefanu

Method summary :

Modifier and type	Method
public java.util.Date	getDateS ()
public void	setDateS (java.util.Date dateS)
public java.util.Date	getDateE ()
public void	setDateE (java.util.Date dateE)

Method detail :

```
public Date getDateS ()
```

Accessor.

Returns :

the start date for the specified object

```
public void setDateS (Date dateS)
```

Accessor.

Parameters :

dateS - the new start date for the specified object

```
public Date getDateE ()
```

Accessor.

Returns :

the end date for the specified object

```
public void setDateE (Date dateE)
```

Accessor.

Parameters :

`dateE` - `dateS` the new end date for the specified object

UUIDENABLED

```
public interface UUIDEnabled
```

This interface defines requirements for objects that support [java.util.UUIDs](#) as means of identification. A default support implementation is provided in [UUIDDelegate](#). Default implementations of [Folder](#), [Document](#), [Process](#) support this interface through aggregating an [UUIDDelegate](#) and delegating to it.

Since :

7.8 / 2012.05

See also :

["http://en.wikipedia.org/wiki/Uuid"](http://en.wikipedia.org/wiki/Uuid)

Author :

victorc

Method summary :

Modifier and type	Method
public java.util.UUID	getUUID ()
public void	setUUID (java.util.UUID uuidSrc)
public java.lang.String	getUUIDString ()
public void	setUUIDString (java.lang.String uuidStr)

Method detail :

```
public UUID getUUID ()
```

Accessor.

Returns :

the object {@link java.util.UUID}

```
public void setUUID (UUID uuidSrc)
```

Accessor.

Parameters :

uuidSrc - the source [java.util.UUID](#)

```
public String getUUIDString ()
```

Accessor.

Returns :

the 36-character string formatted object {@link java.util.UUID}. Short for {@link `#getUUID()`}.`toString()`.

```
public void setUUIDString (String uuidStr)
```

Accessor.

Parameters :

`uuidStr` - the source [java.util.UUID](#) in 36-character string format. Short for [#setUUID](#) ([java.util.UUID#fromString](#) (`uuidStr`))

VERSION

```
public interface Version
```

Public definition to group identified, realized and commented objects.

All Superinterfaces :

[Identified](#) , [Realized](#) , [Commented](#)

Since :

7.5

Author :

mariusz

VERSIONED

```
public interface Versioned
```

Versioned objects are objects for which the database keeps track of previous versions. Versions are always represented as a long, but actually they keep track of two components : the major version number and the minor version number; these numbers are meant to be used as with software versions : the major number is incremented once some significant modifications are made to the object, while the minor version number is incremented if non-significant modifications are made.

When versioned objects are created the version number is set to 1.0; the user interface does not display 1.0 version numbers, as these are the defaults. Some objects may use the version number 0 (zero) as a default 1.0 version number.

Since :

7.0

See also :

[VersionedEx](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public long	getVersion ()
public void	setVersion (long version)

Method detail :

```
public long getVersion ()
```

Accessor.

Returns :

the version number for the specified object

```
public void setVersion (long version)
```

Accessor.

Parameters :

`version` - the new version number for the specified object

VIEWABLE

```
public interface Viewable
```

Viewable objects are objects that have a set of user-defined attributes. The attributes are set using forms, and may be explicit or default attributes. Default attributes are set by the business components at runtime according to the current running context.

Since :

7.0

See also :

[Attribute](#) , [Form](#) , [Type](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public java.lang.String	getFormId ()
public void	setFormId (java.lang.String formId)
public int	getFormIdNumeric ()
public void	setFormIdNumeric (int formId)
public java.util.List	getAttributes ()
public java.util.List	getCustomAttributes ()
public void	setAttributes (java.util.List attributes)
public java.lang.String	getAttributeValue (java.lang.String attributeId, java.util.Locale locale)
public void	setAttributeValue (java.lang.String attributeId, java.util.Locale locale, java.lang.String value)
public java.lang.Object	getAttributeValue (java.lang.String attributeId)
public java.lang.Object	getAttributeValue (java.lang.String attributeId, java.lang.Object defaultValue, java.util.Locale locale)
public void	setAttributeValue (java.lang.String attributeId, java.lang.Object value)
public java.util.List	setDefaultAttributes (java.util.List attributes,

	boolean bForced)
public java.util.List	getDefaultAttributes (java.util.List attributes)
public int	getIcon ()
public void	setIcon (int icon)

Method detail :

```
public String getFormId ()
```

Accessor.

Returns :

the form identification for the specified object

```
public void setFormId (String formId)
```

Accessor.

Parameters :

formId - the new form identification for the specified object

```
public int getFormIdNumeric ()
```

Accessor.

Returns :

the numeric form identification for the specified object

```
public void setFormIdNumeric (int formId)
```

Accessor.

Parameters :

formId - the new numeric form identification for the specified object

```
public List getAttributes ()
```

Accessor.

Returns :

the list of attributes for the specified object; these will always include the default attributes

```
public List getCustomAttributes ()
```

Accessor.

Returns :

the list of attributes for the specified object; these will always exclude the default attributes

```
public void setAttributes (List attributes)
```

Accessor.

Parameters :

`attributes` - the new attributes for the specified object; default attributes are always filtered out, as they are generally not user modifiable

```
public String getAttributeValue (String attributeId, Locale locale)
```

Accessor.

Parameters :

`attributeId` - the attribute identification

`locale` - the i18n locale identifier for the current running context

Returns :

the value for the specified attribute, using the specified locale, for the specified object.

```
public void setAttributeValue (String attributeId, Locale locale, String value)
```

Accessor. Sets the attribute value for the specified attribute, using the specified locale identifier, for the specified object.

Parameters :

`attributeId` - the attribute identification

`locale` - the i18n locale identifier for the current running context

`value` - the attribute value

```
public Object getAttributeValue (String attributeId)
```

Accessor. Retrieves the attribute value; no locale conversion is applied

Parameters :

`attributeId` - the attribute identification

Returns :

the attribute value

```
public Object getAttributeValue (String attributeId, Object defaultvalue, Locale locale)
```

Accessor. Retrieves the attribute value; no locale conversion is applied, default value can be supplied

Parameters :

attributeId - the attribute identification

defaultValue - default value to be used when everything else fails

locale - the i18n locale identifier for the current running context

Returns :

the attribute value

```
public void setAttributeValue (String attributeId, Object value)
```

Accessor. Sets the attribute value for the specified object; no locale conversion is applied.

Parameters :

attributeId - the attribute identifier

value - the attribute value

```
public List setDefaultAttributes (List attributes, boolean bForced)
```

Modifies the input list of attributes, setting the default attribute values for the specified object.

Internal use only

Parameters :

attributes - the list of object attributes for the specified object

Returns :

the modified list of attributes, with all default attributes set.

```
public List getDefaultAttributes (List attributes)
```

Internal use only.

Parameters :

attributes -

Returns :

list of attributes

```
public int getIcon ()
```

Accessor.

Returns :

the icon index for the specified object

```
public void setIcon (int icon)
```

Accessor.

Parameters :

`icon` - the new icon index for the specified object

VIEWABLEEX

```
public interface ViewableEx
```

ViewableEx extends the Viewable support by adding form page accessibility.

All Superinterfaces :

[Viewable](#)

Since :

7.0

See also :

[Viewable](#) , [Form](#)

Author :

victorc

Method summary :

Modifier and type	Method
public java.lang.String	getFormPage ()
public void	setFormPage (java.lang.String formPage)

Method detail :

```
public String getFormPage ()
```

Accessor.

Returns :

the form apge

```
public void setFormPage (String formPage)
```

Accessor.

Parameters :

formPage - the new form page

PACKAGE COM.SIATEL.DOMAIN

This package contains the domain objects (data structures).

INTERFACES

ARCHIVECOMMENT

```
public interface ArchiveComment
```

The archive version of the comment object. Archive comments are attached to archived documents and folders;

The comment identification structure :

ID component	Value	Description
Prefix	ACDF, ACMF	See Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder ID	numeric	The folder container numeric identification
Pin ID	numeric	The numeric pin ID, if the document is pinned; zero otherwise
Document ID	numeric	The numeric document ID if the comment is on a document; zero otherwise
Comment ID	numeric	The comment numeric identification

All Superinterfaces :

[Comment](#) , [Archive](#)

Author :

adinam

ARCHIVEDOCUMENT

```
public interface ArchiveDocument
```

The archive version of the document object.

The archive document identification structure :

ID component	Value	Description
Prefix	ADCF, AFCE, ARDF, ARFF	See Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder ID	numeric	The folder container numeric identification
Pin ID	numeric	The numeric pin ID, if the document is pinned; zero otherwise
Document ID	numeric	The numeric document ID if the comment is on a document; zero otherwise
Comment ID	numeric	The comment numeric identification

All Superinterfaces :

[Document](#) , [Archive](#)

Author :

adinam

ARCHIVEDOCUMENTVERSION

```
public interface ArchiveDocumentVersion
```

The archived document version

The document version identification structure :

ID component	Value	Description
Prefix	VNDF, VNDP	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder or process ID	numeric	The folder or process container numeric identification
Pin ID	numeric	The numeric pin ID, if the document is pinned; zero otherwise
Document ID	numeric	The numeric document ID
Version ID	numeric	The numeric version ID

All Superinterfaces :

[DocumentVersion](#) , [Archive](#)

Author :

stefanu

ARCHIVEFOLDER

```
public interface ArchiveFolder
```

The archive version of a folder.

The archive folder identification structure :

ID component	Value	Description
Prefix	ARFL	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder ID	numeric	The numeric folder ID
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Folder](#) , [Archive](#)

Author :

stefanu

ARCHIVENOTE

```
public interface ArchiveNote
```

The assignment identification structure :

ID component	Value	Description
Prefix	ARFL	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder ID	numeric	The numeric folder ID
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Note](#) , [Archive](#)

Author :

stefanu

ASSIGNMENT

```
public interface Assignment
```

General assignment object; holds a source and destination identifier; used, for instance, to represent user assignments to groups. The assignment identification structure :

ID component	Value	Description
Prefix	ASGU, ASUR, ASGR, ASUD, ASRD, ASGD, ASUP, ASRP, ASGP, ASFA, ASUV, ASRV, ASGV, ASUF, ASGF, ASRF, ASUP, ASGP, ASRP, ASOP, ASFP, ASUT, ASGT, ASRT	The assignment object prefix; the prefix depends on the source and target object, but always starts with the letters "AS"; see com.siatel.domain.Prefix for more information on prefixes
Database ID	0	Always set to zero; the database identification is not required for these objects
Source ID	numeric	The numeric ID of the source object
Destination ID	numeric	The numeric ID of the destination object
Not used	0	Always set to zero
Not used	0	Always set to zero

All Superinterfaces :

[Identified](#) , [Cloneable](#) , [Replicable](#)

Author :

stefanu

Method summary :

Modifier and type	Method
public int	getDestIdNumeric ()
public void	setDestIdNumeric (int destId)
public int	getSourceIdNumeric ()
public void	setSourceIdNumeric (int sourceId)
public java.lang.Object	getData ()
public void	setData (java.lang.Object data)

Method detail :

```
public int getDestIdNumeric ()
```

Returns :

the destination numeric identification

```
public void setDestIdNumeric (int destId)
```

Parameters :

destId - the new destination numeric identification

```
public int getSourceIdNumeric ()
```

Returns :

the source numeric identification

```
public void setSourceIdNumeric (int sourceId)
```

Parameters :

sourceId - the new source numeric identification

```
public Object getData ()
```

Returns :

custom assignment data

```
public void setData (Object data)
```

Parameters :

data - custom assignment data

ATTRIBUTE

```
public interface Attribute
```

Attributes are assigned to objects that are Viewable. See the Viewable interface for information on how to retrieve and manipulate the Gargantua object attributes.

The attribute identification structure :

ID component	Value	Description
Prefix	DFAT	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database numeric ID for the Gargantua database that stores the object
Attribute ID	numeric	Numeric ID of the attribute within the specified database
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Described](#) , [Flagged](#) , [Dated](#) , [Cloneable](#) , [Replicable](#) , [Packageable](#) , [Cacheable](#)

Author :

stefanu

CERTIFICATE

```
public interface Certificate
```

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Described](#) , [Dated](#) , [Realized](#) , [Deployable](#) , [Replicable](#)

Author :

olga

CLASSIFICATIONELEMENT

```
public interface ClassificationElement
```

Classification elements are used by Gargantua Views to create a virtual folder hierarchy based on attribute values.

The classification element identification structure :

ID component	Value	Description
Prefix	CELM	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database identification

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Cloneable](#) , [Replicable](#) , [Flagged](#)

Author :

stefanu

CLASSIFICATIONTREEELEMENT

```
public interface ClassificationTreeElement
```

Classification elements are used by Gargantua Views to create a virtual folder hierarchy based on attribute values.

The classification element identification structure :

ID component	Value	Description
Prefix	CELM	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database identification

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Cloneable](#) , [Replicable](#) , [Flagged](#)

Author :

stefanu

COMMENT

```
public interface Comment
```

The Comment object. Comments can be attached to documents ,folders or processes;

The comment identification structure :

ID component	Value	Description
Prefix	CMDF, CMDP , CMTF , CMTD	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder or process ID	numeric	The folder or process container numeric identification
Pin ID	numeric	The numeric pin ID, if the document is pinned; zero otherwise
Document ID	numeric	The numeric document ID if the comment is on a document; zero otherwise
Comment ID	numeric	The comment numeric identification

All Superinterfaces :

[Labeled](#) , [Identified](#) , [Owned](#) , [Dated](#) , [Flagged](#) , [Replicable](#) , [Deletable](#)

Author :

adinam

DATABASE

public interface Database

The 'database' concept.

The database identification structure :

ID component	Value	Description
Prefix	DATA	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Not used	0	-
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Dated](#) , [Described](#) , [Flagged](#) , [Cloneable](#) , [Replicable](#)

Since :

15/03/2007

Author :

Victor Citiriga

DEPENDENCY

```
public interface Dependency
```

A **dependency** relationship concept definition. It specifies

- a **SOURCE** - the dependant, one who depends on another
- a **TARGET** - the dependency, one on which others depend

The intended usage of this concept is to cover the following common requirements:

- the **SOURCE** depends on the **TARGET** and so the **TARGET** may be required to be **LOCKED** for certain operations (change, deletion, etc)
- provide information on dependency relationships that prevent certain operations from taking place.

The requirements above have been extended in order to support basic-typed custom fields in which, based on specific usage requirements the user may store dependency-relevant information

All Superinterfaces :

[Flagged](#)

Since :

02/02/2010

Author :

victorc

DISTRIBUTIONLISTENTRY

```
public interface DistributionListEntry
```

General distribution list object; holds all information needed to to represent an entry of distribution list

The distribution list entry identification structure :

ID component	Value	Description
Prefix	DEDF, DEPF, DEFL	The distribution list entry object prefix; the prefix depends on the object, but always starts with the letters "DE"; see com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
object ID	numeric	The numeric ID of the object
accessLevel ID	numeric	The numeric ID of the access level object
actor ID	numeric	The numeric ID of the actor object (can be user,group,role,attribute)
actor type	numeric	The category type of the actor (can be user,group,role,userlist,groupList,roleList)

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Flagged](#) , [Timed](#) , [Cloneable](#) , [Replicable](#)

DOCUMENT

```
public interface Document
```

The Gargantua document.

The document identification structure :

ID component	Value	Description
Prefix	DOCF, DOCP, PINF, PINP, FCHF, FCHP	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder or process ID	numeric	The folder or process container numeric identification
Pin ID	numeric	The numeric pin ID, if the document is pinned; zero otherwise
Document ID	numeric	The numeric document ID
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [DatedEx](#) , [Flagged](#) , [ViewableEx](#) , [RealizedEx](#) , [Versioned](#) , [Lifecycled](#) , [Shared](#) , [Cloneable](#) , [Replicable](#) , [Securable](#) , [UUIDEnabled](#) , [Tagged](#) , [Deletable](#) , [Modified](#) , [Signable](#)

Author :

stefanu

DOCUMENTVERSION

```
public interface DocumentVersion
```

The Gargantua document version

The document version identification structure :

ID component	Value	Description
Prefix	AVDF	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder or process ID	numeric	The folder or process container numeric identification
Pin ID	numeric	The numeric pin ID, if the document is pinned; zero otherwise
Document ID	numeric	The numeric document ID
Version ID	numeric	The numeric version ID

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [DatedEx](#) , [Flagged](#) , [RealizedEx](#) , [Versioned](#) , [Cloneable](#) , [Replicable](#) , [Deletable](#)

Author :

stefanu

EXPIRABLEDOWNLOADLINK

```
public interface ExpirableDownloadLink
```

The expirable download link is a link that has either a maximum access times or a maximum validity time.

The expirable download link identification structure :

ID component	Value	Description
Prefix	EXDL	The expirable download link prefix
Database ID	0	The database ID that stores the definition; since the links are stored in the administration database, this is always set to zero
User ID	numeric	The numeric ID of the expirable download link
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Flagged](#) , [Dated](#) , [Replicable](#) , [Cloneable](#) , [Owned](#)

Author :

mariusz

EXTENDEDPROPERTY

```
public interface ExtendedProperty
```

This interface represents the definition for a extended property. The extended property holds extra-data for an object and is characterized by a label, type and value.

The structure for any extended property is as follows:

ID component	Value	Description
Prefix	EXPR	The extended property prefix
Database ID	0	The database ID that stores the extened property definition; since the properties are stored in the administration database, this is always set to zero
Extended property ID	numeric	The numeric ID of the extended property object
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Flagged](#) , [Described](#) , [Dated](#) , [Replicable](#) , [Cloneable](#)

Author :

mariusz

FOLDER

```
public interface Folder
```

The Folder object

The assignment identification structure :

ID component	Value	Description
Prefix	FLDR	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder ID	numeric	The numeric folder ID
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [DatedEx](#) , [ViewableEx](#) , [Lifecycled](#) , [Cloneable](#) , [Replicable](#) , [Securable](#) , [UUIDEnabled](#) , [Deletable](#) , [Modified](#)

Author :

stefanu

FORM

```
public interface Form
```

The Form object. Forms are used by users to assign attributes to objects

The form identification structure :

ID component	Value	Description
Prefix	DFFR	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Not used	0	-
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [DeployableEx](#) , [Realized](#) , [Cloneable](#) , [Replicable](#) , [Lifecycle](#) , [Layouted](#) , [HierarchyCreator](#) , [Packageable](#) , [Cacheable](#)

Author :

stefanu

GRID

```
public interface Grid
```

The grid object.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [Replicable](#) , [Realized](#) , [Cloneable](#) , [Packageable](#) , [Cacheable](#)

See also :

[Prefix#GRID for id structure](#)

GROUP

```
public interface Group
```

The Group object. Groups statically group users that share the same access rights on Gargantua objects.

The group identification structure :

ID component	Value	Description
Prefix	GROU	See com.siatel.domain.Prefix for more information on prefixes
Not used	0	-
Group ID	numeric	The numeric identification of the group object
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Described](#) , [Dated](#) , [Replicable](#) , [Cloneable](#) , [Cacheable](#) , [Privileged](#)

Author :

stefanu

HIERARCHYCREATOR

```
public interface HierarchyCreator
```

This interface is implemented by objects that generate a custom hierarchy after creation

Since :

7.10

Author :

mariusz

INTERVENTIONREPORT

```
public interface InterventionReport
```

The intervention report indicates an intervention done on the Gargantua server.

The intervention report object identification structure :

ID component	Value	Description
Prefix	INRE	The intervention report object prefix
Database ID	0	The database ID that stores the intervention report definition; since the delegations are stored in the administration database, this is always set to zero
Intervention ID	numeric	The numeric ID of the intervention report object
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Flagged](#) , [Described](#) , [Dated](#) , [Replicable](#) , [Cloneable](#) , [Realized](#)

Author :

stefanu

IsJOB

```
public interface IsJob
```

The IsJob object.

The form identification structure :

ID component	Value	Description
Prefix	ISJB	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
IsJob ID	numeric	The IS Job numeric identification
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [Realized](#) , [DeployableEx](#) , [Cloneable](#) , [Replicable](#) , [Packageable](#) , [Cacheable](#)

Author :

manuelam

LAYOUTED

```
public interface Layouted
```

The layouter interface is implemented by objects that have a custom presentation (layout), usually a fragment

Since :

7.10

Author :

mariusz

LIFECYCLE

```
public interface Lifecycle
```

Lifecycle enabling objects requirements.

Author :

elf

MANAGER

```
public interface Manager
```

This interface wraps the model requirements of the Manager object.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Described](#) , [Replicable](#) , [Cloneable](#)

Since :

R562

Author :

victorc

ModelOCR

```
public interface ModelOCR
```

The ModelOCR object.

The form identification structure :

ID component	Value	Description
Prefix	MOCR	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
ModelOCR ID	numeric	The Model OCR numeric identification
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [Realized](#) , [DeployableEx](#) , [Sampled](#) , [Cloneable](#) , [Replicable](#) , [Packageable](#) , [Cacheable](#)

Author :

manuelam

NOTE

```
public interface Note
```

The Note object. Notes can be attached to documents or folders; the note's content is stored as file, thus being indexed in the fulltext database, if available. Depending on the parent object, notes may have a rich text format (in the case of folders)

The note identification structure :

ID component	Value	Description
Prefix	NTDF, NTDP	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Folder or process ID	numeric	The folder or process container numeric identification
Pin ID	numeric	The numeric pin ID, if the document is pinned; zero otherwise
Document ID	numeric	The numeric document ID
Note ID	numeric	The note numeric identification

All Superinterfaces :

[Identified](#) , [Owned](#) , [DatedEx](#) , [Realized](#) , [Replicable](#) , [Cloneable](#) , [Deletable](#)

Author :

stefanu

OBJECTEXTENDEDPROPERTY

```
public interface ObjectExtendedProperty
```

This interface represents the definition for a assignment of a extended property to a object.

The structure for any extended property is as follows:

ID component	Value	Description
Prefix	ASOP	The extended property prefix
Database ID	0	The database ID that stores the extened property definition; since the properties are stored in the administration database, this is always set to zero
Extended property ID	numeric	The numeric ID of the extended property object
Assignment id	numeric	The numeric ID of the assignment
Extended property id	numeric	The numeric ID of the extended property
Object id	numeric	The numeric ID of the object
Not used	0	Always set to zero

All Superinterfaces :

[Assignment](#)

Author :

mariusz

PACKAGE

```
public interface Package
```

The Package object

The assignment identification structure :

ID component	Value	Description
Prefix	PCKG	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Package ID	numeric	The numeric package ID
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Described](#) , [Dated](#) , [Flagged](#) , [Owned](#) , [Cloneable](#) , [Replicable](#)

Author :

mariusz

PLANNER

```
public interface Planner
```

This interface declares the structure of the planner object. A planner consists of a weekly timetable and list of exceptions from it.

In addition to the accessors defined by the inherited interfaces, this interfaces defines accessors to the weekly timetable.

'Timetable' is an array of 7 long values. Each element in the array corresponds to a day in the week, 0 representing monday, 6 representing sunday. For each day, the least significant 48 bits represent half-hour intervals. Bit 0 corresponds to 0:00-0:30, 1 to 0:30-1:00, 47 to 23:30-0:00. If a bit is set then it represents activity time, if it is reset then it represents inactivity time.

The planner identification structure :

ID component	Value	Description
Prefix	PLAN	See com.siatel.domain.Prefix for more information on prefixes
Not used	0	-
Planner ID	numeric	The numeric identification of the planner object
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [Deployable](#) , [Cloneable](#) , [Replicable](#)

Since :

27/03/2008

Author :

victorc

See also :

[PlannerDayImpl](#)

PLANNERDAY

```
public interface PlannerDay
```

This interface declares the structure of an exception from a planner's weekly timetable.

The numeric part of a planner day object will be represented by the numeric evaluation of the date string in YYYYMMDD format. E.g. the full planner day for the planner with numeric id 1 and date 2000/01/01 will be obtained by this code:

```
String dayId = IdFormat.toString(Prefix.PANNER_DAY, 0, 1, 20000101);
```

All Superinterfaces :

[Identified](#) , [Cloneable](#) , [Replicable](#)

Since :

27/032008

Author :

victorc

See also :

[Planner](#)

PORTAL

```
public interface Portal
```

The Portal object

The portal identification structure :

ID component	Value	Description
Prefix	PORT	See com.siatel.domain.Prefix for more information on prefixes
Not used	0	-
Portal ID	numeric	The portal numeric identification
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Described](#) , [Realized](#) , [Flagged](#) , [Dated](#) , [Cloneable](#) , [Replicable](#)

Author :

stefanu

PROCESS

```
public interface Process
```

The Process object

The process identification structure :

ID component	Value	Description
Prefix	PROC	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Process ID	numeric	The process numeric identification
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [DatedEx](#) , [Flagged](#) , [Realized](#) , [Prioritized](#) , [Managed](#) , [Referenced](#) , [ViewableEx](#) , [Timed](#) , [Expirable](#) , [Replicable](#) , [Cloneable](#) , [Securable](#) , [UUIDEnabled](#) , [Modified](#) , [FlowEnabled](#)

Author :

stefanu

PROCESSDEFINITION

```
public interface ProcessDefinition
```

The Process definition object

The process definition identification structure :

ID component	Value	Description
Prefix	DFPR	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Definition ID	numeric	The process definition numeric identification
Not used	0	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Dated](#) , [Described](#) , [Managed](#) , [Prioritized](#) , [Flagged](#) , [Realized](#) , [DeployableEx](#) , [Replicable](#) , [Referenced](#) , [Cloneable](#) , [Securable](#) , [TimeboxedEx](#) , [Packageable](#) , [Cacheable](#) , [FlowEnabled](#)

Author :

stefanu

PROCESSDEFINITIONVERSION

```
public interface ProcessDefinitionVersion
```

The Process definition version object

The process definition version identification structure :

ID component	Value	Description
Prefix	DFPR	See com.siatel.domain.Prefix for more information on prefixes
Database ID	numeric	The database ID
Definition ID	numeric	The process definition numeric identification
Definition Version ID	The process definition version numeric identification	-
Not used	0	-
Not used	0	-

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Dated](#) , [Described](#) , [Flagged](#) , [Realized](#) , [DeployableEx](#) , [Replicable](#) , [Referenced](#) , [Cloneable](#) , [Securable](#) , [Version](#) , [Numbered](#) , [TimeboxedEx](#) , [Managed](#) , [Prioritized](#) , [FlowEnabled](#)

Author :

stefanu

RESOURCE

```
public interface Resource
```

The resource object.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Described](#) , [Flagged](#) , [Owned](#) , [Dated](#) , [Realized](#) , [Cloneable](#) , [Replicable](#) , [Cacheable](#)

See also :

[Prefix#RESOURCE](#)

ROLE

```
public interface Role
```

The role object.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Described](#) , [Dated](#) , [Replicable](#) , [Cloneable](#) , [Cacheable](#) , [Privileged](#)

See also :

[Prefix#ROLE for id structure](#) , [Privilege for privilege definitions](#)

RULE

```
public interface Rule
```

The storage rule object interface.

The object links a database to a storage area based on a list of conditions. The rule priority is used to enforce an evaluation order. Higher priority is specified as lower integer value.

All Superinterfaces :

[Identified](#) , [Cloneable](#) , [Replicable](#) , [Flagged](#) , [Cacheable](#)

See also :

[Prefix#DATABASE_STORAGE_RULE](#)

SCRIPT

```
public interface Script
```

The 'script' concept definition. This concept groups script code (stored in a file) with script meta-data (lang - the programming language, type - the execution context/layer) and Siatel-object identification naming and common metadata (dates, flags etx).

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Dated](#) , [Flagged](#) , [Described](#) , [Deployable](#) , [Realized](#) , [Serializable](#) , [Cloneable](#) , [Replicable](#)

Author :

victorc

STORAGE

```
public interface Storage
```

The storage area object interface.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Described](#) , [Flagged](#) , [Dated](#) , [Cloneable](#) , [Replicable](#) , [Cacheable](#)

See also :

[Prefix#STORAGE_AREA](#)

TASK

```
public interface Task
```

The task object.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [DatedEx](#) , [Described](#) , [Flagged](#) , [Timed](#) , [Expirable](#) , [Managed](#) , [Prioritized](#) , [Replicable](#) , [Cloneable](#) , [FlowEnabled](#)

See also :

[Prefix#TASK for id structure](#)

TYPE

```
public interface Type
```

The type object.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [Replicable](#) , [Realized](#) , [Cloneable](#) , [Packageable](#) , [Cacheable](#)

See also :

[Prefix#TYPE for id structure](#)

USER

```
public interface User
```

The user interface specifies the behavior of user objects. A user is a physical person that interacts with the system; a user has a password that is used in order to authenticate within the system.

The user may belong to groups and may be assigned to certain roles by the system administrator

The user identification structure :

ID component	Value	Description
Prefix	USER	The user object prefix
Database ID	0	The database ID that stores the user definition; since the users are stored in the administration database, this is always set to zero
User ID	numeric	The numeric ID of the user object
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Described](#) , [Dated](#) , [Replicable](#) , [Cloneable](#) , [Cacheable](#) , [Privileged](#)

Author :

stefanu

USERDELEGATION

```
public interface UserDelegation
```

The user delegation interface specifies the behavior of user delegation objects. A user can delegate his work to another user during his absence. See the specfile `DELEGATE` for more details.

The user delegation object identification structure :

ID component	Value	Description
Prefix	DLGT	The user delegation object prefix
Database ID	0	The database ID that stores the user delegation definition; since the delegations are stored in the administration database, this is always set to zero
Delegation ID	numeric	The numeric ID of the user delegation object
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero
Not used	0	Always set to zero

All Superinterfaces :

[Identified](#) , [Owned](#) , [Flagged](#) , [Described](#) , [Dated](#) , [Timed](#) , [Replicable](#) , [Cloneable](#)

Author :

stefanu

VIEW

```
public interface View
```

This interface defines the 'view' concept and groups concept definition data accessors.

A view consists of a hierarchy of 'view elements'. A view WILL NOT be usable until deployed. The view deployment process MUST validate the 'view element' hierarchy and compile database queries for each of the view elements it contains.

Contained view elements will start with a parent id specifying 0 in it's numeric id part. Example:

DFVE00010000000100000000000000000000 is the parent id for root view elements of the DFVW000100000000100000000000000000000000 view.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [Deployable](#) , [Replicable](#) , [Cloneable](#) , [Packageable](#) , [Cacheable](#)

Since :

12/07/2007

Author :

vic

See also :

[com.siatel.domain.ViewElement](#) , [com.siatel.defs.Identified](#) , [com.siatel.defs.Labeled](#) , [com.siatel.defs.Owned](#) , [com.siatel.defs.Flagged](#) , [com.siatel.defs.Dated](#) , [com.siatel.defs.Described](#) , [com.siatel.defs.Deployable](#) , [com.siatel.defs.Replicable](#) , [java.lang.Cloneable](#)

VIEWELEMENT

```
public interface ViewElement
```

This interface defines the ‘view element’ concept and groups concept definition data accessors.

A ‘view element’ consists of the following:

1. the parent id (view elements are organized hierarchically)
2. a domain filter specification
3. a unicity rule specification
4. a list of name tokens
5. a sort order specification

The **parent id** specifies the id of another view element. All view elements **MUST** have a parent id set. For view elements defined directly in the view root the numeric part of the parent id is 0.

The **domain filter** specifies a list of filter criteria that restricts the values domain for the attributes participating in generating this element’s classes and the children classes generated by this element’s children. If more than one criterion is specified then criteria are combined using ‘AND’ logic operator. **No more than 3 filter criteria can be specified by a view item.**

The **unicity rule** consists of a list of unicity criteria, each of them specifying what attribute or attribute part participates in generating a class. If more than one criterion is specified then the combination of all criteria specified must render to a unique set. **No more than 3 unicity criteria can be specified by a view item.** The rule will be ignored for view elements that specify `IS_OBJECTS` in their `flags` member (see below for more flags).

The **name tokens** must be specified in the order they will appear in the generated classes name. Recognizable and renderable tokens are declared in this interface by the `TOKEN_UNIQUE` constants. The number in the name of the constant specifies which criterion from the unique criteria list to render in the class name. Additional tokens are declared in the [ValueToken](#) utility class. Plain text tokens can be specified and they will render identically in the generated class name.

The **sort order** refers to the order in which the generated classes are enumerated. It is specified by the ‘flags’ member of this class by the `Flag.ORDER` flags grouped by `Flag.CLASS_SORT_MASK`. The number of the flag name specifies to which of the unicity criteria the sort order applies.

The hierarchical structure of the view elements will result in the fact that the domain filters and unique criteria of a view element will act as additional restrictions for its children when generating the children classes.

Additional flags **MUST** be specified in the `flags` member of this interface in `Flag.CLASSES_MASK` range. See below table for allowed combinations.

Combination	Significance
FOR_FOLDERS	Specifies that the classes to which this view element evaluates are based on folders attributes only.
FOR_FOLDERS IS_OBJECTS	Specifies that the classes to which this view element evaluates are actual folders. The unique criteria and name tokens will be ignored in this case. Persistence call will be made for folders not for classes when instantiating this view element.
FOR_PROCESSES	Specifies that the classes to which this view element evaluates are based on processes attributes only.
FOR_PROCESSES IS_OBJECTS	Specifies that the classes to which this view element evaluates are actual processes. The unique criteria and name tokens will be ignored in this case. Persistence call will be made for processes not for classes when instantiating this view element.
FOR_FOLDERS FOR_PROCESSES	Specifies that the classes to which this view element evaluates are based on folders and processes attributes only.
FOR_FOLDERS FOR_PROCESSES IS_OBJECTS	Specifies that the classes to which this view element evaluates are actual folders and processes. The unique criteria and name tokens will be ignored in this case. Persistence call will be made for folders and processes not for classes when instantiating this view element.
FOR_DOCUMENTS	Specifies that the classes to which this view element evaluates are based on documents attributes only.
FOR_DOCUMENTS IS_OBJECTS	Specifies that the classes to which this view element evaluates are actual documents. The unique criteria and name tokens will be ignored in this case. Persistence call will be made for documents not for classes when instantiating this view element.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [Replicable](#) , [Cloneable](#)

Since :

12/07/2007

See also :

[com.siatel.domain.View](#) , [com.siatel.domain.FilterCriterion](#) , [com.siatel.domain.UniqueCriterion](#) , [com.siatel.domain.Flag](#) , [com.siatel.domain.ValueToken](#) , [com.siatel.defs.Identified](#) , [com.siatel.defs.Labeled](#) , [com.siatel.defs.Owned](#) , [com.siatel.defs.Flagged](#) , [com.siatel.defs.Dated](#) , [com.siatel.defs.Described](#) , [com.siatel.defs.Replicable](#) , [java.lang.Cloneable](#)

Author :

vic

VIEWELEMENTVERSION

```
public interface ViewElementVersion
```

This interface defines the 'view element version' concept and groups concept definition data accessors.

A 'view element' consists of the following:

1. the parent id (view elements are organized hierarchically)
2. a domain filter specification
3. a unicity rule specification
4. a list of name tokens
5. a sort order specification

The **parent id** specifies the id of another view element. All view elements **MUST** have a parent id set. For view elements defined directly in the view root the numeric part of the parent id is 0.

The **domain filter** specifies a list of filter criteria that restricts the values domain for the attributes participating in generating this element's classes and the children classes generated by this element's children. If more than one criterion is specified then criteria are combined using 'AND' logic operator.

No more than 3 filter criteria can be specified by a view item.

The **unicity rule** consists of a list if unicity criteria, each of them specifying what attribute or attribute part participates in generating a class. If more than one criterion is specified then the combination of all criteria specified must render to a unique set. **No more than 3 unicity criteria can be specified by a view item.** The rule will be ignored for view elements that specify `IS_OBJECTS` in their `flags` member (see below for more flags).

The **name tokens** must be specified in the order they will appear in the generated classes name.

Recognizable and renderable tokens are declared in this interface by the `TOKEN_UNIQUE` constants. The number in the name of the constant specifies which criterion from the unique criteria list to render in the class name. Additional tokens are declared in the [ValueToken](#) utility class. Plain text tokens can be specified and they will render identically in the generated class name.

The **sort order** refers to the order in which the generated classes are enumerated. It is specified by the 'flags' member of this class by the `Flag.ORDER` flags grouped by `Flag.CLASS_SORT_MASK`. The number of the flag name specifies to which of the unicity criteria the sort order applies.

The hierachical strucure of the view elements will result in the fact that the domain filters and unique criteria of a view element will act as additional restrictions for it's children when generating the children classes.

Additional flags **MUST** be specified in the `flags` member of this interface in `Flag.CLASSES_MASK` range. See below table for allowed combinations.

Combination	Significance
FOR_FOLDERS	Specifies that the classes to which this view element evaluates are based on folders attributes only.
FOR_FOLDERS IS_OBJECTS	Specifies that the classes to which this view element evaluates are actual folders. The unique criteria and name tokens will be ignored in this case. Persistence call will be made for folders not for classes when instantiating this view element.
FOR_PROCESSES	Specifies that the classes to which this view element evaluates are based on processes attributes only.
FOR_PROCESSES IS_OBJECTS	Specifies that the classes to which this view element evaluates are actual processes. The unique criteria and name tokens will be ignored in this case. Persistence call will be made for processes not for classes when instantiating this view element.
FOR_FOLDERS FOR_PROCESSES	Specifies that the classes to which this view element evaluates are based on folders and processes attributes only.
FOR_FOLDERS FOR_PROCESSES IS_OBJECTS	Specifies that the classes to which this view element evaluates are actual folders and processes. The unique criteria and name tokens will be ignored in this case. Persistence call will be made for folders and processes not for classes when instantiating this view element.
FOR_DOCUMENTS	Specifies that the classes to which this view element evaluates are based on documents attributes only.
FOR_DOCUMENTS IS_OBJECTS	Specifies that the classes to which this view element evaluates are actual documents. The unique criteria and name tokens will be ignored in this case. Persistence call will be made for documents not for classes when instantiating this view element.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [Replicable](#) , [Cloneable](#)

Since :

12/07/2007

See also :

[com.siatel.domain.View](#) , [com.siatel.domain.FilterCriterion](#) , [com.siatel.domain.UniqueCriterion](#) , [com.siatel.domain.Flag](#) , [com.siatel.domain.ValueToken](#) , [com.siatel.defs.Identified](#) , [com.siatel.defs.Labeled](#) , [com.siatel.defs.Owned](#) , [com.siatel.defs.Flagged](#) , [com.siatel.defs.Dated](#) , [com.siatel.defs.Described](#) , [com.siatel.defs.Replicable](#) , [java.lang.Cloneable](#) , [com.siatel.domain.ViewVersion](#)

Author :

vic

VIEWVERSION

```
public interface ViewVersion
```

This interface defines the ‘view version’ concept and groups concept definition data accessors.

All Superinterfaces :

[Identified](#) , [Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#) , [Described](#) , [Deployable](#) , [Replicable](#) , [Cloneable](#) , [Commented](#) , [Numbered](#)

Since :

12/07/2007

Author :

vic

See also :

[com.siatel.domain.View](#) , [com.siatel.domain.ViewElement](#) , [com.siatel.defs.Identified](#) , [com.siatel.defs.Labeled](#) , [com.siatel.defs.Owned](#) , [com.siatel.defs.Flagged](#) , [com.siatel.defs.Dated](#) , [com.siatel.defs.Described](#) , [com.siatel.defs.Deployable](#) , [com.siatel.defs.Replicable](#) , [java.lang.Cloneable](#)

CLASSES

ATTRIBUTEMODIFIER

```
public class AttributeModifier
```

This utility class defines attribute modifiers used by view elements unique criteria.

Since :

12/07/2007

Author :

vic

Constructor summary :

Constructor
AttributeModifier ()

Constructor detail :

```
public AttributeModifier ()
```

ATTRIBUTEPROP

```
public class AttributeProp
```

Attribute properties; depending on the attribute type, several properties can be set

Author :

cristi

Constructor summary :

Constructor

```
AttributeProp ()
```

Constructor detail :

```
public AttributeProp ()
```

ATTRIBUTES

```
public class Attributes
```

This utility class defines default attribute constants.

Since :

12/07/2007

Author :

stefanu

Constructor summary :

Constructor
Attributes ()

Constructor detail :

```
public Attributes ()
```

CONSTANTS

```
public class Constants
```

Various constants used across the Gargantua system.

All Superinterfaces :

[Bits](#)

Author :

stefanu, victorc

Field summary :

Modifier and type	Field
public static final int	ANONYMOUS_NUMERIC
public static final int	UNKNOWN_NUMERIC
public static final int	SYSTEM_NUMERIC

public static final int	<u>EVERYONE_NUMERIC</u>
public static final int	<u>OWNER_NUMERIC</u>
public static final int	<u>DBA_NUMERIC</u>
public static final int	<u>SUPER_NUMERIC</u>
public static final String	<u>ANONYMOUS</u>
public static final String	<u>UNKNOWN</u>
public static final String	<u>SYSTEM</u>
public static final String	<u>OWNER</u>
public static final String	<u>EVERYONE</u>
public static final String	<u>DBA</u>
public static final String	<u>SUPER</u>
public static final String	<u>DOC_TYPE_TEXT</u>
public static final String	<u>DOC_TYPE_IMAGE</u>
public static final String	<u>DOC_TYPE_OTHER</u>
public static final String	<u>DOC_TYPE_UNKNOWN</u>
public static final String	<u>DOC_TYPE_WATERMARK</u>
public static final String	<u>LANG_EN</u>
public static final String	<u>LANG_FR</u>
public static final	<u>LANG_ES</u>

String	
public static final String	<u>LANG_AR</u>
public static final String	<u>LANG_RO</u>
public static final String	<u>LANG_HU</u>
public static final String	<u>LANG_RU</u>
public static final String	<u>LANG_TR</u>
public static final String	<u>LANG_EL</u>
public static final String	<u>LANG_EN_CODE</u>
public static final String	<u>LANG_FR_CODE</u>
public static final String	<u>LANG_ES_CODE</u>
public static final String	<u>LANG_AR_CODE</u>
public static final String	<u>LANG_RO_CODE</u>
public static final String	<u>LANG_HU_CODE</u>
public static final String	<u>LANG_RU_CODE</u>
public static final String	<u>LANG_TR_CODE</u>
public static final String	<u>LANG_EL_CODE</u>
public static final String	<u>LANG_EN_TRANSLATED</u>
public static final String	<u>LANG_FR_TRANSLATED</u>
public static final String	<u>LANG_ES_TRANSLATED</u>

public static final String	<u>LANG_AR_TRANSLATED</u>
public static final String	<u>LANG_RO_TRANSLATED</u>
public static final String	<u>LANG_HU_TRANSLATED</u>
public static final String	<u>LANG_RU_TRANSLATED</u>
public static final String	<u>LANG_TR_TRANSLATED</u>
public static final String	<u>LANG_EL_TRANSLATED</u>
public static final long	<u>RIGHT_MASK</u>
public static final long	<u>RIGHT_LIST</u>
public static final long	<u>RIGHT_REVOKE</u>
public static final long	<u>RIGHT_CREATE</u>
public static final long	<u>RIGHT_CREATE_VERSION</u>
public static final long	<u>RIGHT_CREATE_POSTIT</u>
public static final long	<u>RIGHT_VIEW_VERSIONS</u>
public static final long	<u>RIGHT_VIEW_DOC_ATTR</u>
public static final long	<u>RIGHT_VIEW_FOLDER_ATTR</u>
public static final long	<u>RIGHT_VIEW_FILE</u>
public static final long	<u>RIGHT_VIEW_FILE_CONTENTS</u>
public static final long	<u>RIGHT_MODIFY_DOC_ATTR</u>
public static final	<u>RIGHT_MODIFY_FOLDER_ATTR</u>

long	
public static final long	<u>RIGHT_MODIFY_TEMP</u>
public static final long	<u>RIGHT_DELETE</u>
public static final long	<u>RIGHT_DELETE_FOLDER</u>
public static final long	<u>RIGHT_DELETE_CONTENTS</u>
public static final long	<u>RIGHT_PRINT</u>
public static final long	<u>RIGHT_PRINT_CONTENTS</u>
public static final long	<u>RIGHT_PIN</u>
public static final long	<u>RIGHT_ANNOTATE</u>
public static final long	<u>RIGHT_ARCHIVE</u>
public static final long	<u>RIGHT_ADMIN</u>
public static final long	<u>RIGHT_TAKE_OWNERSHIP</u>
public static final long	<u>RIGHT_MODIFY_FILE</u>
public static final long	<u>RIGHT_DELETE_VERSION</u>
public static final long	<u>RIGHT_VIEW_LOG_FOLDER</u>
public static final long	<u>RIGHT_VIEW_LOG_DOC</u>
public static final long	<u>RIGHT_DOWNLOAD_EMAIL</u>
public static final long	<u>RIGHT_CHANGE_FOLDER_TYPE</u>
public static final long	<u>RIGHT_CHANGE_DOC_TYPE</u>


```
public static final String  
SYSTEM = "USER00007FFFFFD00000000000000000000000000"
```

```
public static final String  
OWNER = "USER00007FFFFFE0000000000000000000000000000"
```

```
public static final String  
EVERYONE = "USER00007FFFFFFFFF0000000000000000000000000000"
```

```
public static final String
DBA = "USER0000000000001000000000000000000000000000"
```

```
public static final String
    SUPER = "USER0000000000001000000000000000000000000000"
```

```
public static final String DOC_TYPE_TEXT = "TXT"
```

```
public static final String DOC_TYPE_IMAGE = "IMG"
```

```
public static final String DOC_TYPE_OTHER = "OTH"
```

```
public static final String DOC_TYPE_UNKNOWN = "UNK"
```

```
public static final String DOC_TYPE_WATERMARK = "WMK"
```

```
public static final String DOC_TYPE_LOGINIMAGE = "LGN"
```

The login image type descriptor

```
public static final String LANG_EN = "en"
```

Short identifier of the english language

```
public static final String LANG_FR = "fr"
```

Short identifier of the french language

```
public static final String LANG_ES = "es"
```

Short identifier of the spanish language

```
public static final String LANG_AR = "ar"
```

Short identifier of the arabic language

```
public static final String LANG_RO = "ro"
```

Short identifier of the romanian language

```
public static final String LANG_HU = "hu"
```

Short identifier of the hungarian language

```
public static final String LANG_RU = "ru"
```

Short identifier of the russian language

```
public static final String LANG_TR = "tr"
```

Short identifier of the turkish language

```
public static final String LANG_EL = "el"
```

Short identifier of the custom language

```
public static final String LANG_EN_CODE = "en_US"
```

Language code identifier of the english language

```
public static final String LANG_FR_CODE = "fr_FR"
```

Language code identifier of the french language

```
public static final String LANG_ES_CODE = "es_ES"
```

Language code identifier of the spanish language

```
public static final String LANG_AR_CODE = "ar_AR"
```

Language code identifier of the arabic language

```
public static final String LANG_RO_CODE = "ro_RO"
```

Language code identifier of the romanian language

```
public static final String LANG_HU_CODE = "hu_HU"
```

Language code identifier of the hungarian language

```
public static final String LANG_RU_CODE = "ru_RU"
```

Language code identifier of the russian language

```
public static final String LANG_TR_CODE = "tr_TR"
```

Language code identifier of the turkish language

```
public static final String LANG_EL_CODE = "el_XX"
```

Language code identifier of the custom language

```
public static final String LANG_EN_TRANSLATED = "English"
```

Translated name in own language for english

```
public static final String LANG_FR_TRANSLATED = "Français"
```

Translated name in own language for french

```
public static final String LANG_ES_TRANSLATED = "Español"
```

Translated name in own language for spanish

```
public static final String LANG_AR_TRANSLATED = "\u0639\u0631\u0628\u064a"
```

Translated name in own language for arabic

```
public static final String LANG_RO_TRANSLATED = "Română"
```

Translated name in own language for romanian

```
public static final String LANG_HU_TRANSLATED = "Magyar"
```

Translated name in own language for hungarian

```
public static final String LANG_RU_TRANSLATED = "\u0420\u0443\u0441\u0441\u0438\u044f"
```

Translated name in own language for russian

```
public static final String LANG_TR_TRANSLATED = "Türkçe"
```

Translated name in own language for turkish

```
public static final String LANG_EL_TRANSLATED = "Personnalis /Custom"
```

Translated name in own language for custom

```
public static final long RIGHT_MASK = 0x7FFFFFFF7FFFFFFFL
```

The mask for all bits in the RIGHTS... constants

```
public static final long RIGHT_LIST = 0x8000000000000000L
```

The right to view that a specific object exists; without this right, a given user should never be alerted to the object's presence

```
public static final long RIGHT_REVOKE = 0x0000000080000000L
```

Indicates whether the rights mask is a direct or a revoked mask; applies only to user masks.

```
public static final long RIGHT_CREATE = 0x0000000000000001L
```

Gives the assigned entity the right to create objects within the parent object; for instance, on a folder it will allow the creation of sub-folders or documents

```
public static final long RIGHT_CREATE_VERSION = 0x0000000000000002L
```

Gives the assigned entity the right to create versions of the object, if appropriate

```
public static final long RIGHT_CREATE_POSTIT = 0x0000000000000004L
```

Gives the assigned entity the right to create postit notes on the selected object, if possible

```
public static final long RIGHT_VIEW_VERSIONS = 0x0000000000000008L
```

Gives the assigned entity the right to view versions of the assigned object, if appropriate; this right applies only to documents

```
public static final long RIGHT_VIEW_DOC_ATTR = 0x0000000000000010L
```

Gives the assigned entity the right to view a document's attributes

```
public static final long RIGHT_VIEW_FOLDER_ATTR = 0x0000000000000020L
```

Gives the assigned entity the right to view a folder's attributes

```
public static final long RIGHT_VIEW_FILE = 0x0000000000000040L
```

Gives the assigned entity the right to view the associated file; must be used together with the RIGHT_VIEW_FILE_CONTENTS right that is applied to parent object

```
public static final long RIGHT_VIEW_FILE_CONTENTS = 0x0000000000000080L
```

Gives the assigned entity the right to view the file for any object contained within the selected object

```
public static final long RIGHT_MODIFY_DOC_ATTR = 0x0000000000000100L
```

Gives the assigned entity the right to modify a document's attributes

```
public static final long RIGHT_MODIFY_FOLDER_ATTR = 0x0000000000000200L
```

Gives the assigned entity the right to modify a folder's attributes

```
public static final long RIGHT_MODIFY_TEMP = 0x0000000000000400L
```

Gives the assigned entity the right to temporarily modify the assigned object; users that have this right will be assigned additional rights for a limited period of time, as configured on a per-database basis.

```
public static final long RIGHT_DELETE = 0x0000000000000800L
```

Gives the assigned entity the right to delete a document; used together with the RIGHT_DELETE_CONTENTS right assigned to the parent object

```
public static final long RIGHT_DELETE_FOLDER = 0x0000000000001000L
```

Gives the assigned entity the right to delete a folder

```
public static final long RIGHT_DELETE_CONTENTS = 0x0000000000002000L
```

Gives the assigned entity the right to delete an object's content, if any; for instance documents from a folder

```
public static final long RIGHT_PRINT = 0x0000000000004000L
```

Gives the assigned entity the right to print the object's file; this can be effectively controlled only within the Gargantua application; if document is open in native application this right cannot be enforced; used together with the RIGHT_PRINT_CONTENTS assigned to the parent object

```
public static final long RIGHT_PRINT_CONTENTS = 0x0000000000008000L
```

Gives the assigned entity the right to print the objects contained within the associated entity

```
public static final long RIGHT_PIN = 0x0000000000010000L
```

Gives the assigned entity the right to pin or unpin documents

```
public static final long RIGHT_ANNOTATE = 0x0000000000020000L
```

Gives the assigned entity the right to add annotations in TIFF files; obsolete.

```
public static final long RIGHT_ARCHIVE = 0x0000000000040000L
```

Gives the assigned entity the right to archive the assigned object

```
public static final long RIGHT_ADMIN = 0x0000000000080000L
```

Gives the assigned entity the right to manage rights on the assigned object

```
public static final long RIGHT_TAKE_OWNERSHIP = 0x000000000100000L
```

Gives the assigned entity the right to take the ownership of the assigned object

```
public static final long RIGHT_MODIFY_FILE = 0x000000000200000L
```

Gives the assigned entity the right to modify the associated object's file

```
public static final long RIGHT_DELETE_VERSION = 0x000000000400000L
```

Gives the assigned entity the right to delete an object's version

```
public static final long RIGHT_VIEW_LOG_FOLDER = 0x000000000800000L
```

Gives the assigned entity the right to view a folder's log

```
public static final long RIGHT_VIEW_LOG_DOC = 0x000000000100000L
```

Gives the assigned entity the right to view a document's log

```
public static final long RIGHT_DOWNLOAD_EMAIL = 0x000000000200000L
```

Gives the assigned entity the right to download or email the assigned object's file

```
public static final long RIGHT_CHANGE_FOLDER_TYPE = 0x000000000400000L
```

Gives the assigned entity the right to change the form associated with a folder object; please note that when changing forms, the existing attributes that are attached to the new form will remain valued

```
public static final long RIGHT_CHANGE_DOC_TYPE = 0x000000000800000L
```

Gives the assigned entity the right to change the form associated with a document object; please note that when changing forms, the existing attributes that are attached to the new form will remain valued

```
public static final long RIGHT_SIGNATURE = 0x000000001000000L
```

Gives the assigned entity the right to apply a digital signature to the document

```
public static final long RIGHT_COMMENT_READ = 0x000000002000000L
```

Gives the assigned entity the right to access the forum section for the assigned object

```
public static final long RIGHT_COMMENT_WRITE = 0x000000004000000L
```

Gives the assigned entity the right to add comments to the assigned object's forum

```
public static final long RIGHT_VIEW_FILE_ORIGINAL = 0x000000010000000L
```

Gives the assigned entity the right to view the original file when the database uses PDF conversion; by default, entities without this right will only be able to display the converted version

```
public static final long RIGHT_START_VALIDATION = 0x0000000200000000L
```

Gives the assigned entity the right to start a validation on the assigned entity

FILTERCRITERION

```
public class FilterCriterion
```

This class defines a filter criterion used by view elements definition.

This class consists of:

1. the **id of the attribute** used to filter a domain.
2. 4 **reference values** which specify the domain (min, max, eq, ne).

Supported combinations of the reference values are:

combination	significance
(min != null, max = null, eq = null, ne = null, vN = null, vNNull = null)	specifies attribute must have values greater than min
(min = null, max != null, eq = null, ne = null, vN = null, vNNull = null)	specifies attribute must have values lower than min
(min != null, max != null, eq = null, ne = null, vN = null, vNNull = null)	specifies attribute must have values in the range between min and max
(min = null, max = null, eq != null, ne = null, vN = null, vNNull = null)	specifies attribute values must be equal to eq
(min = null, max = null, eq = null, ne != null, vN = null, vNNull = null)	specifies attribute values must not be equal to eq
(min = null, max = null, eq = null, ne = null, vN != null, vNNull = null)	specifies attribute values must not be null
(min = null, max = null, eq = null, ne = null, vN = null, vNNull != null)	specifies attribute values must not be null

All Superinterfaces :

[Cloneable](#)

Since :

12/07/2006

Author :

vic

Constructor summary :

Constructor
FilterCriterion ()

```
FilterCriterion (java.lang.String attrId, java.lang.Object valueMin,
java.lang.Object valueMax, java.lang.Object valueEq, java.lang.Object
valueNe)
```

```
FilterCriterion (java.lang.String attrId, java.lang.Object valueMin,
java.lang.Object valueMax, java.lang.Object valueEq, java.lang.Object
valueNe, java.lang.Object valueCt, java.lang.Object valueNc)
```

```
FilterCriterion (java.lang.String attrId, java.lang.Object valueMin,
java.lang.Object valueMax, java.lang.Object valueEq, java.lang.Object
valueNe, java.lang.Object valueCt, java.lang.Object valueNc,
java.lang.Object valueIsNull, java.lang.Object valueIsNotNull)
```

Constructor detail :

```
public FilterCriterion ()
```

No arguments constructor.

```
public FilterCriterion (String attrId, Object valueMin, Object valueMax,
Object valueEq, Object valueNe)
```

Constructor with initialization parameters.

Parameters :

attrId - the attribute id

valueMin - the min value

valueMax - the max value

valueEq - the eq value

valueNe - the ne value

```
public FilterCriterion (String attrId, Object valueMin, Object valueMax,
Object valueEq, Object valueNe, Object valueCt, Object valueNc)
```

```
public FilterCriterion (String attrId, Object valueMin, Object valueMax,
Object valueEq, Object valueNe, Object valueCt, Object valueNc, Object
valueIsNull, Object valueIsNotNull)
```

FLAG

```
public class Flag
```

Various flags used across the Gargantua system.

Bits 0-39 match to core definition interfaces' accessors (Identified, Labeled, Owned etc.).

Bits 40-63 match to core objects specific interfaces' accessors (Folder, Process, Document etc.)

All Superinterfaces :

[IFlag](#) , [SearchFlag](#) , [AuditFlag](#) , [OtherFlag](#)

Author :

stefanu, victorc

Field summary :

Modifier and type	Field
public static final long	ID
public static final long	LABEL
public static final long	OWNER_ID
public static final long	FLAGS
public static final long	DESCRIPTION
public static final long	DEPLOYED
public static final long	VERSION
public static final long	FORM_ID
public static final long	ATTRIBUTES
public static final long	FILE_ID
public static final long	FILE_TYPE

public static final long	<u>FILE_SIZE</u>
public static final long	<u>DATE_C</u>
public static final long	<u>DATE_M</u>
public static final long	<u>DATE_A</u>
public static final long	<u>ICON</u>
public static final long	<u>DATE_S</u>
public static final long	<u>DATE_E</u>
public static final long	<u>DATE_D</u>
public static final long	<u>DATE_X</u>
public static final long	<u>OVERDUE</u>
public static final long	<u>EXPIRED</u>
public static final long	<u>REFCOUNT</u>
public static final long	<u>PRIORITY</u>
public static final long	<u>SECURITY_PROFILE</u>
public static final long	<u>RENDER_SECURITY</u>
public static final long	<u>UUID</u>
public static final long	<u>TAGS</u>
public static final long	<u>DATE_AR</u>
public static final	<u>EMAIL</u>

long	
public static final long	<u>REAL_NAME</u>
public static final long	<u>DIRECTORY</u>
public static final long	<u>PASSWORD</u>
public static final long	<u>PRIVILEGES</u>
public static final long	<u>PROFILE</u>
public static final long	<u>ACTIVATED_BY</u>
public static final long	<u>ACTIVATED_AT</u>
public static final long	<u>DEACTIVATED_BY</u>
public static final long	<u>DEACTIVATED_AT</u>
public static final long	<u>DATE_LI</u>
public static final long	<u>DATE_LO</u>
public static final long	<u>WORKING_PLANNER</u>
public static final long	<u>ACCESS_RESTRICTED_BY_WP</u>
public static final long	<u>ORDER_INDEX</u>
public static final long	<u>PARENT_ID</u>
public static final long	<u>DESCRIPTION_URL</u>
public static final long	<u>CONN_URL</u>
public static final long	<u>CRON_EXPRESSION</u>

public static final long	<u>SCRIPT_LANG</u>
public static final long	<u>SCRIPT_TYPE</u>
public static final long	<u>SAMPLE_FILE_ID</u>
public static final long	<u>DISPLAYPROFILE_ID</u>
public static final long	<u>LIFECYCLE_RULE_FILEID</u>
public static final long	<u>ARCHIVE_STORAGE_ID</u>
public static final long	<u>FRAGMENT_FILE_ID</u>
public static final long	<u>HIERARCHY_FILE_ID</u>
public static final long	<u>VERS_OBJ_COMMENT</u>
public static final long	<u>VERS_OBJ_INDEX</u>
public static final long	<u>DATA</u>
public static final long	<u>VERSION_OF</u>
public static final long	<u>DELAY_X</u>
public static final long	<u>DELAY_D</u>
public static final long	<u>PROCESS_ID_PLANNER</u>
public static final long	<u>DEPLOYMENT_FORM_ID</u>
public static final long	<u>MONITOR_ROLE_ID</u>
public static final long	<u>DEFINITION_ID</u>
public static final	<u>RUNTIME_STATE</u>

long	
public static final long	<u>RUNTIME_FILE_ID</u>
public static final long	<u>PROCESS_STATUS</u>
public static final long	<u>PROCESS_START_POINT</u>
public static final long	<u>DRAFT_FORM_PAGE</u>
public static final long	<u>PROFILE_ID</u>
public static final long	<u>TASK_STATUS</u>
public static final long	<u>TASK_ACTORID</u>
public static final long	<u>TASK_ROLEID</u>
public static final long	<u>TASK_EXECUTORID</u>
public static final long	<u>TASK_LOCATION</u>
public static final long	<u>TASK_SUBJECT</u>
public static final long	<u>TASK_PROCESS_LABEL</u>
public static final long	<u>TASK_FORM_PAGE</u>
public static final long	<u>TASK_FORM_ID</u>
public static final long	<u>TASK_GROUPID</u>
public static final long	<u>TASK_CONFIDENTIAL</u>
public static final long	<u>TIMETABLE</u>
public static final long	<u>DATABASE_ID</u>

public static final long	<u>DAY_TIMETABLE</u>
public static final long	<u>DAY_DATE</u>
public static final long	<u>DAY_RECURRENT</u>
public static final long	<u>RES_TYPE</u>
public static final long	<u>COMMENT_CONTENT</u>
public static final long	<u>OWNER_NAME</u>
public static final long	<u>HIGHER_ID</u>
public static final long	<u>CARDINALITY</u>
public static final long	<u>ROLE_TYPE</u>
public static final long	<u>PROCESS_TESTING_CREATED_BY</u>
public static final long	<u>PROCESS_TESTING_CREATED_BY_LABEL</u>
public static final long	<u>PROCESS_TESTING_CREATED_BY_REALNAME</u>
public static final long	<u>PROCESS_TESTING_MODIFIED_BY</u>
public static final long	<u>PROCESS_TESTING_MODIFIED_BY_LABEL</u>
public static final long	<u>PROCESS_TESTING_MODIFIED_BY_REALNAME</u>
public static final long	<u>PROCESS_TESTING_DEFINITION_TOTAL_RUNS</u>
public static final long	<u>PROCESS_TESTING_DEFINITION_SUCCESS_RUNS</u>
public static final long	<u>PROCESS_TESTING_DEFINITION_FAIL_RUNS</u>
public static final	<u>PROCESS_TESTING_DEFINITION_LAST_SUCCESS</u>

long	
public static final long	<u>PROCESS TESTING DEFINITION LAST FAIL</u>
public static final long	<u>PROCESS TESTING DEFINITION LAST DURATION</u>
public static final long	<u>PROCESS TESTING INSTANCE STARTED BY ID</u>
public static final long	<u>PROCESS TESTING INSTANCE STARTED BY LABEL</u>
public static final long	<u>PROCESS TESTING INSTANCE STARTED BY REALNAME</u>
public static final long	<u>PROCESS TESTING INSTANCE STARTED AT</u>
public static final long	<u>PROCESS TESTING INSTANCE FINISHED BY ID</u>
public static final long	<u>PROCESS TESTING INSTANCE FINISHED BY LABEL</u>
public static final long	<u>PROCESS TESTING INSTANCE FINISHED BY REALNAME</u>
public static final long	<u>PROCESS TESTING INSTANCE FINISHED AT</u>
public static final long	<u>USER ALL</u>
public static final long	<u>USER UPDATE ALL</u>
public static final long	<u>GROUP ALL</u>
public static final long	<u>GROUP UPDATE ALL</u>
public static final long	<u>ROLE ALL</u>
public static final long	<u>ROLE UPDATE ALL</u>
public static final long	<u>POSITION ALL</u>
public static final long	<u>POSITION UPDATE ALL</u>

public static final long	<u>PORTAL_ALL</u>
public static final long	<u>PORTAL_UPDATE_ALL</u>
public static final long	<u>PLANNER_ALL</u>
public static final long	<u>PLANNER_DAY_ALL</u>
public static final long	<u>DATABASE_ALL</u>
public static final long	<u>DATABASE_UPDATE_ALL</u>
public static final long	<u>STORAGE_ALL</u>
public static final long	<u>RULE_ALL</u>
public static final long	<u>RESOURCE_ALL</u>
public static final long	<u>TYPE_ALL</u>
public static final long	<u>GRID_ALL</u>
public static final long	<u>ATTRIBUTE_ALL</u>
public static final long	<u>ATTRIBUTE_UPDATE_MASK</u>
public static final long	<u>FORM_ALL</u>
public static final long	<u>FORM_UPDATE_ALL</u>
public static final long	<u>FORM_DEPLOY</u>
public static final long	<u>FORM_UNDEPLOY</u>
public static final long	<u>PROCESSDEF_ALL</u>
public static final	<u>PROCESSDEF_UPDATE_ALL</u>

long	
public static final long	<u>PROCESSDEF_DEPLOY</u>
public static final long	<u>PROCESSDEF_UNDEPLOY</u>
public static final long	<u>PROCESS_MANAGEMENT</u>
public static final long	<u>SCRIPT_ALL</u>
public static final long	<u>SCRIPT_VERSION_ALL</u>
public static final long	<u>VIEW_ALL</u>
public static final long	<u>VIEW_UPDATE_ALL</u>
public static final long	<u>VIEW_ELEMENT_ALL</u>
public static final long	<u>VIEW_ELEMENT_UPDATE_ALL</u>
public static final long	<u>VIEW_RUNTIME_TREE</u>
public static final long	<u>VIEW_DEPLOY</u>
public static final long	<u>VIEW_UNDEPLOY</u>
public static final long	<u>ISJOB_ALL</u>
public static final long	<u>MODELOCR_ALL</u>
public static final long	<u>SECURITY_PROFILE_ALL</u>
public static final long	<u>FOLDER_PROFILE_ALL</u>
public static final long	<u>FOLDER_TREE</u>
public static final long	<u>FOLDER_ALL</u>

public static final long	<u>FOLDER_FULL</u>
public static final long	<u>FOLDER_UPDATE_ALL</u>
public static final long	<u>FOLDER_UPDATE_FULL</u>
public static final long	<u>DOCUMENT_THUMB</u>
public static final long	<u>DOCUMENT_VC_SYSATTRS</u>
public static final long	<u>DOCUMENT_LIST</u>
public static final long	<u>DOCUMENT_ALL</u>
public static final long	<u>DOCUMENT_FULL</u>
public static final long	<u>VERSION_ALL</u>
public static final long	<u>TRASH_INFO</u>
public static final long	<u>NOTE_ALL</u>
public static final long	<u>SEARCHTEMPLATE_ALL</u>
public static final long	<u>SEARCHTEMPLATE_UPDATEALL</u>
public static final long	<u>PROCESS_ALL</u>
public static final long	<u>TASK_INBOX</u>
public static final long	<u>TASK_ALL</u>
public static final long	<u>USER_PROFILE_ALL</u>
public static final long	<u>JASY_ALL</u>
public static final	<u>COMPOSITION_RULE_ALL</u>

long	
public static final long	<u>COMPOSITION RULE VERSION ALL</u>
public static final long	<u>FORM DISPLAY PROFILE ALL</u>
public static final long	<u>FORM VERSION ALL</u>
public static final long	<u>PROCESSDEF VERSION ALL</u>
public static final long	<u>ISJOB VERSION ALL</u>
public static final long	<u>MODELOCR VERSION ALL</u>
public static final long	<u>VIEW VERSION ALL</u>
public static final long	<u>COMMENT ALL</u>
public static final long	<u>COMMENT UPDATE ALL</u>
public static final long	<u>MAIL TEMPLATE ALL</u>
public static final long	<u>DEF FILE ID</u>
public static final long	<u>DOCUMENT TEMPLATE ALL</u>
public static final long	<u>FOR FOLDERS</u>
public static final long	<u>FOR PROCESSES</u>
public static final long	<u>FOR DOCUMENTS</u>
public static final long	<u>FOR SEARCH</u>
public static final long	<u>HIDE IN SEARCH</u>
public static final long	<u>CLASSES MASK</u>

public static final long	<u>IS_OBJECTS</u>
public static final long	<u>SHOW_SUBFOLDERS</u>
public static final long	<u>CLASS_SORT_MASK</u>
public static final long	<u>ORDER_ASC_1</u>
public static final long	<u>ORDER_DESC_1</u>
public static final long	<u>ORDER_ASC_2</u>
public static final long	<u>ORDER_DESC_2</u>
public static final long	<u>ORDER_ASC_3</u>
public static final long	<u>ORDER_DESC_3</u>
public static final long	<u>ROOT_VE</u>
public static final long	<u>HAS_CLASSES</u>
public static final long	<u>HAS_DOCUMENTS</u>
public static final long	<u>IS_FOLDER</u>
public static final long	<u>IS_PROCESS</u>
public static final long	<u>ADD_ENABLED</u>
public static final long	<u>HAS_FULLTEXT</u>
public static final long	<u>SECURITY_MODE_MASK</u>
public static final long	<u>SECURITY_MODE_NONE</u>
public static final	<u>SECURITY_MODE_SIMPLE</u>

long	
public static final long	<u>SECURITY_MODE_MEDIUM</u>
public static final long	<u>SECURITY_MODE_COMPLEX</u>
public static final long	<u>IS_PUBLIC</u>
public static final long	<u>DATABASE_RESTRICTED_ARCHIVE</u>
public static final long	<u>DATABASE_OFFLINE</u>
public static final long	<u>DATABASE_WORKFLOW_INACTIVE</u>
public static final long	<u>DATABASE_LIFECYCLE_INACTIVE</u>
public static final long	<u>DATABASE_LIFECYCLE_DEBUG</u>
public static final long	<u>DATABASE_UNAVAILABLE</u>
public static final long	<u>ENABLE_COMMENTS</u>
public static final long	<u>ENABLE_TRASH</u>
public static final long	<u>DISPLAY_TREE_COUNTERS</u>
public static final long	<u>DATABASE_LUCENE_SIMPLESEARCH</u>
public static final long	<u>DATABASE_BUILD_LUCENE_SIMPLESEARCH</u>
public static final long	<u>DATABASE_LUCENE_CONTENTSEARCH</u>
public static final long	<u>DATABASE_BUILD_LUCENE_CONTENTSEARCH</u>
public static final long	<u>FULLTEXT_ACCENT_INSENSITIVE</u>
public static final long	<u>FULLTEXT_ACCENT_SENSITIVE</u>

public static final long	<u>FULLTEXT_ACCENT_BOTH</u>
public static final long	<u>IS_DEFAULT</u>
public static final long	<u>FOLDER_HAS_ATTRIBUTES</u>
public static final long	<u>FOLDER_HAS_NOTES</u>
public static final long	<u>FOLDER_HAS_CHILDREN</u>
public static final long	<u>HAS_COMMENTS</u>
public static final long	<u>HAS_NOTIFICATIONS</u>
public static final long	<u>FORM_ATTR_MANDATORY</u>
public static final long	<u>FORM_ATTR_LINKED</u>
public static final long	<u>FORM_ATTR_LOCKED</u>
public static final long	<u>FORM_ATTR_XNORMAL</u>
public static final long	<u>FORM_ATTR_XSIMPLE</u>
public static final long	<u>FORM_ATTR_XFULLPATH</u>
public static final long	<u>FORM_ATTR_XMULTIPLE</u>
public static final long	<u>FORM_ATTR_XCATEGORY</u>
public static final long	<u>FORM_ATTR_XMULTILINE</u>
public static final long	<u>FORM_ATTR_XRADIO</u>
public static final long	<u>FORM_ATTR_XRADIO_INLINE</u>
public static final	<u>FORM_ATTR_XMASK</u>

long	
public static final long	<u>PROFILE_DEFAULT</u>
public static final long	<u>PROFILE_ANONYMOUS</u>
public static final long	<u>PROFILE_EXTERNAL_EMAIL</u>
public static final long	<u>DOCSTAT_ATTRIBUTES</u>
public static final long	<u>DOCSTAT_CDARCHIVED</u>
public static final long	<u>DOCSTAT_LOCK_OTHER</u>
public static final long	<u>DOCSTAT_LOCK_MYSELF</u>
public static final long	<u>DOCSTAT_LOCKED</u>
public static final long	<u>DOCSTAT_NOTES</u>
public static final long	<u>DOCSTAT_FULLTEXT</u>
public static final long	<u>DOCSTAT_HAS_VERSIONS</u>
public static final long	<u>DOCSTAT_SYS_ATTRIBUTES</u>
public static final long	<u>DOCSTAT_COPYOFDOC</u>
public static final long	<u>DOCSTAT_REFTODOC</u>
public static final long	<u>DOCSTAT_PDF_HAS_TEXT</u>
public static final long	<u>DOCSTAT_0000000000004000_BIT_AVAILABLE</u>
public static final long	<u>DOCSTAT_HAS_COMMENTS</u>
public static final long	<u>DOCSTAT_HAS_NOTIFICATIONS</u>

public static final long	<u>USER_IS_EXTERNAL_LDAP</u>
public static final long	<u>USER_IS_SERVER_ACCOUNT</u>
public static final long	<u>USER_SALUTATION_MASK</u>
public static final long	<u>USER_SALUTATION_NONE</u>
public static final long	<u>USER_SALUTATION_MR</u>
public static final long	<u>USER_SALUTATION_MRS</u>
public static final long	<u>USER_SALUTATION_MS</u>
public static final long	<u>USER_LOCKED</u>
public static final long	<u>USER_CHANGEPASS</u>
public static final long	<u>USER_IS_EXTERNAL_EMAIL</u>
public static final long	<u>USER_DENY_LOGIN</u>
public static final long	<u>ROLE_IS_ATTACHED</u>
public static final long	<u>POSITION_WF_MASTER_ACCESS</u>
public static final long	<u>POSITION_CAN_SIGN</u>
public static final long	<u>ROLE_LAYOUT_MASK</u>
public static final long	<u>CAN_CANCEL</u>
public static final long	<u>CAN_FINISH</u>
public static final long	<u>CAN_STOP</u>
public static final	<u>FLOW_VIEW</u>

long	
public static final long	<u>FLOW_EDIT</u>
public static final long	<u>IS_SHARED_TASK</u>
public static final long	<u>WAIT_SHARED_TASK_FINISH</u>
public static final long	<u>NO_QUIT_TASK</u>
public static final long	<u>IGNORE_FAIL</u>
public static final long	<u>MANDATORY_USE_OF_PROCESS_PLANNER</u>
public static final long	<u>KEEP_VALUES_ON_RESTART</u>
public static final long	<u>ALLOW_ESCALATE</u>
public static final long	<u>OVERDUE_BY_TASK</u>
public static final long	<u>EXPIRING_BY_TASK</u>
public static final long	<u>DELETE_ON_FINISH</u>
public static final long	<u>DELETE_ON_CANCEL</u>
public static final long	<u>DELETE_ON_EXPIRE</u>
public static final long	<u>ATTR_ADVANCED_SEARCH</u>
public static final long	<u>ATTR_DATABASE_INDEX_PENDING</u>
public static final long	<u>ATTR_DATABASE_INDEX</u>
public static final long	<u>ATTR_CAPITAL_LETTERS</u>
public static final long	<u>VIRTUAL</u>

public static final long	<u>NO CHILDREN ALIVE</u>
public static final long	<u>HAS VIRTUAL</u>
public static final long	<u>IS LADRAD</u>
public static final long	<u>USER_PLANNER</u>
public static final long	<u>PROCESS_PLANNER</u>
public static final long	<u>VERSION_PLANNER</u>
public static final long	<u>REORDER_LABEL_ASC</u>
public static final long	<u>REORDER_LABEL_DESC</u>
public static final long	<u>EMAIL_NOTIFICATION</u>
public static final long	<u>COMMENT_IS_CLOSED</u>
public static final long	<u>CERT_ISSUED_BY</u>
public static final long	<u>CERT_SERVER</u>
public static final long	<u>CERT_FLAG_VALID_2</u>
public static final long	<u>CERT_IDENTITY_PREFIX</u>
public static final long	<u>CERT_IDENTITY_NO</u>
public static final long	<u>CERT_IDENTITY</u>
public static final long	<u>CERT_GEN_CACERT</u>
public static final long	<u>CERTIFICATE_ALL</u>
public static final	<u>IS_JOB_SCAN</u>

long	
public static final long	<u>IS_JOB_IMPORT</u>
public static final long	<u>IS_JOB_EMAIL</u>
public static final long	<u>IS_JOB_LAD_RAD</u>
public static final long	<u>IS_JOB_SIGN</u>
public static final long	<u>IS_JOB_SIGN_MANDATORY</u>
public static final long	<u>SIMPLE_DEBUG</u>
public static final long	<u>ENABLE_DOCUMENT_ACCESS</u>
public static final long	<u>HAS_PLUGIN_OPTIONS</u>
public static final long	<u>NOTIFICATION_DEFINITION_ALL</u>
public static final long	<u>NOTIFICATION_DEFINITION_FULL</u>
public static final long	<u>NOTIFICATION_ALL</u>
public static final long	<u>NOTIFICATION_FULL</u>
public static final long	<u>FAVORITE_ALL</u>
public static final long	<u>VC_FLAG_START</u>
public static final long	<u>VC_FLAG_MODIF</u>
public static final long	<u>VC_FLAG_AVIZ</u>
public static final long	<u>VC_FLAG_VALID</u>
public static final long	<u>VC_FLAG_PUBLIC</u>

public static final long	<u>VC_FLAG_GED</u>
public static final long	<u>VC_FLAG_BROADCAST</u>
public static final long	<u>PACKAGE_ALL</u>
public static final long	<u>SECURITY_PROFILE_FOR_WORKSPACE</u>
public static final long	<u>OPINION_SET_BY_SUPERVISOR</u>
public static final long	<u>TYPE_LOCALIZED</u>
public static final long	<u>TYPE_INDEXED</u>
public static final long	<u>TYPE_RESTRICT_DUPLICATES</u>
public static final long	<u>ENABLE_TRANSLATIONS</u>
public static final long	<u>MAIL_TEMPLATE_TYPE_MASK</u>
public static final long	<u>MAIL_TEMPLATE_FOR_PROCESS</u>
public static final long	<u>MAIL_TEMPLATE_FOR_VCYCLE</u>
public static final long	<u>MAIL_TEMPLATE_FOR_GENERAL_PURPOSE</u>
public static final long	<u>ENABLE_HTML</u>
public static final long	<u>PROCESS_TESTING_DEFINITION_ALL</u>
public static final long	<u>PROCESS_TESTING_INSTANCE_ALL</u>

Field detail :

```
public static final long ID = 1L
```

Bit 0. Specifies the 'id' field of [com.siatel.defs.Identified](#) implementing objects.

```
public static final long LABEL = 2L
```

Bit 1. Specifies the 'label' property of [com.siatel.defs.Labeled](#) implementing objects.

```
public static final long OWNER_ID = 4L
```

Bit 2. Specifies the 'owner' property of [com.siatel.defs.Owned](#) implementing objects.

```
public static final long FLAGS = 8L
```

Bit 3. Specifies the 'flags' property of [com.siatel.defs.Flagged](#) implementing objects.

```
public static final long DESCRIPTION = 16L
```

Bit 4. Specifies the 'description' property of [com.siatel.defs.Described](#) implementing objects.

```
public static final long DEPLOYED = 32L
```

Bit 5. Specifies the 'deployed' property of [com.siatel.defs.Deployable](#) implementing objects.

```
public static final long VERSION = 64L
```

Bit 6. Specifies the 'version' property of [com.siatel.defs.Versioned](#) implementing objects.

```
public static final long FORM_ID = 128L
```

Bit 7. Specifies the 'form id' property of [com.siatel.defs.Viewable](#) implementing objects.

```
public static final long ATTRIBUTES = 256L
```

Bit 8. Specifies the 'attributes' property of [com.siatel.defs.Viewable](#) implementing objects.

```
public static final long FILE_ID = 512L
```

Bit 9. Specifies the 'file id' property of [com.siatel.defs.Realized](#) implementing objects.

```
public static final long FILE_TYPE = 1024L
```

Bit 10. Specifies the 'file type' property of [com.siatel.defs.RealizedEx](#) implementing objects.

```
public static final long FILE_SIZE = 2048L
```

Bit 11. Specifies the 'file size' property of [com.siatel.defs.RealizedEx](#) implementing objects.

```
public static final long DATE_C = 4096L
```

Bit 12. Specifies the 'date created' property of [com.siatel.defs.Dated](#) implementing objects.

```
public static final long DATE_M = 8192L
```

Bit 13. Specifies the 'date modified' property of [com.siatel.defs.Dated](#) implementing objects.

```
public static final long DATE_A = 16384L
```

Bit 14. Specifies the 'date accessed' property of [com.siatel.defs.DatedEx](#) implementing objects.

```
public static final long ICON = 32768L
```

Bit 15. Specifies the 'icon' property of [com.siatel.defs.Viewable](#) implementing objects.

```
public static final long DATE_S = 65536L
```

Bit 16. Specifies the 'date started' property of [com.siatel.defs.Timed](#) implementing objects.

```
public static final long DATE_E = 131072L
```

Bit 17. Specifies the 'date ended' property of [com.siatel.defs.Timed](#) implementing objects.

```
public static final long DATE_D = 262144L
```

Bit 18. Specifies the 'date due' property of [com.siatel.defs.Expirable](#) implementing objects.

```
public static final long DATE_X = 524288L
```

Bit 19. Specifies the 'date expired' property of [com.siatel.defs.Expirable](#) implementing objects.

```
public static final long OVERDUE = 1048576L
```

Bit 20. Specifies the 'overdue' property of [com.siatel.defs.Expirable](#) implementing objects.

```
public static final long EXPIRED = 2097152L
```

Bit 21. Specifies the 'expired' property of [com.siatel.defs.Expirable](#) implementing objects.

```
public static final long REFCOUNT = 4194304L
```

Bit 22. Specifies the 'refcount' property of [com.siatel.defs.Referenced](#) implementing objects.

```
public static final long PRIORITY = 33554432L
```

Bit 25. Specifies the 'priority' property of [com.siatel.defs.Prioritized](#) implementing objects.

```
public static final long SECURITY_PROFILE = 34359738368L
```

Bit 35. Specifies the 'security profile' property of [com.siatel.defs.Securable](#) implementing objects.

```
public static final long RENDER_SECURITY = 68719476736L
```

Bit 36. Specifies the 'render security' operation which will fill the 'security mask' property of [com.siatel.defs.Securable](#) implementing objects.

```
public static final long UUID = 137438953472L
```

Bit 37. Specifies the 'uuid' property of [com.siatel.defs.UUIDEnabled](#) implementing objects.

```
public static final long TAGS = 274877906944L
```

Bit 38. Specifies the 'tags' property of [com.siatel.defs.Tagged](#) implementing objects.

```
public static final long DATE_AR = 549755813888L
```

Bit 39. Specifies the 'date archive' property of [com.siatel.defs.Archive](#) implementing objects.

```
public static final long EMAIL = 1099511627776L
```

[User](#): Bit 40. Specifies the [User#getEMail\(\)](#) property.

```
public static final long REAL_NAME = 2199023255552L
```

[User](#): Bit 41. Specifies the [User#getRealName\(\)](#) property.

```
public static final long DIRECTORY = 4398046511104L
```

[User](#), [Group](#), [Role](#): Bit 42. Specifies the [User#getExternalDirectoryId\(\)](#) (similar for groups and roles) property.

```
public static final long PASSWORD = 8796093022208L
```

[User](#): Bit 43. Specifies the 'password' property for.

```
public static final long PRIVILEGES = 17592186044416L
```

[User](#), [Group](#), [Role](#): Bit 44. Specifies the [User#getPrivileges\(\)](#), (similar for groups and roles) property.

```
public static final long PROFILE = 35184372088832L
```

[User](#): Bit 45. Specifies the [User#getProfileId\(\)](#) property.

```
public static final long ACTIVATED_BY = 4503599627370496L
```

[User](#): Bit 52. Specifies the 'activated by' property.

```
public static final long ACTIVATED_AT = 9007199254740992L
```

[User](#): Bit 53. Specifies the 'activation date-time' property.

```
public static final long DEACTIVATED_BY = 18014398509481984L
```

[User](#): Bit 54. Specifies the 'deactivated by' property.

```
public static final long DEACTIVATED_AT = 36028797018963968L
```

[User](#): Bit 55. Specifies the 'deactivation date-time' property.

```
public static final long DATE_LI = 72057594037927936L
```

[User](#): Bit 56. Specifies the [User#getDateLogin\(\)](#) property.

```
public static final long DATE_LO = 144115188075855872L
```

[User](#): Bit 57. Specifies the [User#getDateLogout\(\)](#) property.

```
public static final long WORKING_PLANNER = 288230376151711744L
```

[User](#): Bit 58. Specifies the 'working planner' property.

```
public static final long ACCESS_RESTRICTED_BY_WP = 576460752303423488L
```

[User](#): Bit 59. Specifies the 'planner restricted access' property.

```
public static final long ORDER_INDEX = 70368744177664L
```

[Position](#): Bit 46. Specifies the 'order index' property.

```
public static final long PARENT_ID = 1099511627776L
```

[Folder](#), [ViewElement](#), [ClassificationElement](#), [Comment](#), [Group](#): Bit 40. Specifies the 'parentId' property.

```
public static final long DESCRIPTION_URL = 1099511627776L
```

[Database](#), [View](#): Bit 40. Specifies the [Database#getDescriptionUrl\(\)](#) (similar for [View](#)) property.

```
public static final long CONN_URL = 35184372088832L
```

[Database](#): Bit 45. Specifies the [Database#getConnUrl\(\)](#) property.

```
public static final long CRON_EXPRESSION = 70368744177664L
```

[Database](#): Bit 46. Specifies the [Database#getCronExpression\(\)](#) property.

```
public static final long SCRIPT_LANG = 1099511627776L
```

[Script](#), [Script2](#): Bit 40. Specifies the [Script#getLang\(\)](#), [Script2#getLang\(\)](#) property.

```
public static final long SCRIPT_TYPE = 2199023255552L
```

[Script](#), [Script2](#): Bit 41. Specifies the [Script#getType\(\)](#), [Script2#getType\(\)](#) property.

```
public static final long SAMPLE_FILE_ID = 1099511627776L
```

[ModelOCR](#): Bit 40. Specifies the [ModelOCR#getSampleFileId\(\)](#) property.

```
public static final long DISPLAYPROFILE_ID = 1099511627776L
```

Bit 40. Specifies the [Form#getDisplayProfileId\(\)](#) property (similar for [FormVersion](#)).

```
public static final long LIFECYCLE_RULE_FILEID = 2199023255552L
```

Bit 41. Specifies the [Form#getLifecycleRuleFileId\(\)](#) property (similar for [FormVersion](#)).

```
public static final long ARCHIVE_STORAGE_ID = 4398046511104L
```

Bit 42. Specifies the [Form#getArchiveStorageId\(\)](#) property (similar for [FormVersion](#)).

```
public static final long FRAGMENT_FILE_ID = 8796093022208L
```

Bit 43. Specifies the [Form#getFragmentFileId\(\)](#) property (similar for [FormVersion](#)).

```
public static final long HIERARCHY_FILE_ID = 17592186044416L
```

Bit 44. Specifies the [Form#getHierarchyFileId\(\)](#) property (similar for [FormVersion](#)).

```
public static final long VERS_OBJ_COMMENT = 36028797018963968L
```

[Commented](#): Bit 55. Specifies the [Commented#getComment\(\)](#) property. Usually applies to design object versions.

```
public static final long VERS_OBJ_INDEX = 72057594037927936L
```

[Numbered](#): Bit 56. Specifies the [Numbered#getNumber\(\)](#) property. Usually applies to design object versions.

```
public static final long DATA = 18014398509481984L
```

Bit 54. Specifies the [Attribute#getData\(\)](#) property. Reused by [Position](#), [Database](#)

```
public static final long VERSION_OF = 1099511627776L
```

[ProcessDefinition](#): Bit 40: Specifies the [ProcessDefinition#getVersionOfId\(\)](#) property

```
public static final long DELAY_X = 2199023255552L
```

[ProcessDefinition](#): Bit 41: Specifies the [ProcessDefinition#getDelayX\(\)](#) property

```
public static final long DELAY_D = 4398046511104L
```

[ProcessDefinition](#): Bit 42: Specifies the [ProcessDefinition#getDelayD\(\)](#) property

```
public static final long PROCESS_ID_PLANNER = 8796093022208L
```

[ProcessDefinition](#): Bit 43: Specifies the [ProcessDefinition#getPlannerId\(\)](#) property

```
public static final long DEPLOYMENT_FORM_ID = 17592186044416L
```

[ProcessDefinition](#): Bit 44: Specifies the [ProcessDefinition#getDeploymentFormId\(\)](#) property

```
public static final long MONITOR_ROLE_ID = 281474976710656L
```

[ProcessDefinition](#): Bit 52: Specifies the [ProcessDefinition#getMonitorRoleId\(\)](#),
[Process#getMonitorRoleId\(\)](#) property

```
public static final long DEFINITION_ID = 1099511627776L
```

[Process](#): Bit 40: Specifies the [Process#getDefinitionId\(\)](#) property

```
public static final long RUNTIME_STATE = 2199023255552L
```

[Process](#): Bit 41: Specifies the [Process#getRuntimeState\(\)](#) property

```
public static final long RUNTIME_FILE_ID = 4398046511104L
```

[Process](#): Bit 42: Specifies the [Process#getRuntimeFileId\(\)](#) property

```
public static final long PROCESS_STATUS = 8796093022208L
```

[Process](#): Bit 43: Specifies the [Process#getStatus\(\)](#) property

```
public static final long PROCESS_START_POINT = 17592186044416L
```

[Process](#): Bit 44: Specifies the [Process#getStartPoint\(\)](#) property

```
public static final long DRAFT_FORM_PAGE = 35184372088832L
```

[Process](#): Bit 45: Specifies the [Process#getDraftFormPage\(\)](#) property

```
public static final long PROFILE_ID = 2251799813685248L
```

[Folder](#), [Process](#), [ProcessDefinition](#): Bit 51: Specifies the [Folder#getProfileId\(\)](#) property (similar for [Process](#), [ProcessDefinition](#))

```
public static final long TASK_STATUS = 1099511627776L
```

[Task](#): Bit 40: Specifies the [Task#getStatus\(\)](#) property.

```
public static final long TASK_ACTORID = 2199023255552L
```

[Task](#): Bit 41: Specifies the [Task#getActorId\(\)](#) property.

```
public static final long TASK_ROLEID = 2199023255552L
```

[Task](#): Bit 41: Specifies the [Task#getRoleId\(\)](#) property. Overrides value of previous [#TASK_ACTORID](#).

```
public static final long TASK_EXECUTORID = 4398046511104L
```

[Task](#): Bit 42: Specifies the [Task#getExecutorId\(\)](#) property.

```
public static final long TASK_LOCATION = 8796093022208L
```

[Task](#): Bit 43: Specifies the [Task#getLocation\(\)](#) property.

```
public static final long TASK_SUBJECT = 17592186044416L
```

[Task](#): Bit 44: Specifies the [Task#getSubject\(\)](#) property.

```
public static final long TASK_PROCESS_LABEL = 35184372088832L
```

[Task](#): Bit 45: Specifies the [Task#getProcessLabel\(\)](#) property.

```
public static final long TASK_FORM_PAGE = 70368744177664L
```

[Task](#): Bit 46: Specifies the [Task#getFormPage\(\)](#) property.

```
public static final long TASK_FORM_ID = 140737488355328L
```

[Task](#): Bit 47: Specifies the [Task#getFormId\(\)](#) property.

```
public static final long TASK_GROUPID = 72057594037927936L
```

[Task](#): Bit 48: Specifies the [Task#getGroupId\(\)](#) property.

```
public static final long TASK_CONFIDENTIAL = 144115188075855872L
```

[Task](#): Bit 49: Specifies the [Task#isConfidential\(\)](#) property.

```
public static final long TIMETABLE = 1099511627776L
```

[Planner](#): Bit 40: Specifies the [Planner#getTimetable\(\)](#) property.

```
public static final long DATABASE_ID = 2199023255552L
```

[Planner](#): Bit 41: Internal flag, it's purpose does not go beyond the persistence level. Developer note: if used in planners, it does not require explicit definition, it is added if the ID flag is present (the id of the planner depends on the database object that uses it)

```
public static final long DAY_TIMETABLE = 1099511627776L
```

[PlannerDay](#): Bit 40: Specifies the [PlannerDay#getTimetable\(\)](#) property.

```
public static final long DAY_DATE = 2199023255552L
```

[PlannerDay](#): Bit 41: Specifies the [PlannerDay#getDate\(\)](#) property.

```
public static final long DAY_RECURRENT = 4398046511104L
```

[PlannerDay](#): Bit 42: Specifies the [PlannerDay#isRecurrent\(\)](#) property.

```
public static final long RES_TYPE = 1099511627776L
```

[Resource](#): Bit 40: Specifies the [Resource#getType\(\)](#) property.

```
public static final long COMMENT_CONTENT = 2199023255552L
```

[Comment](#): Bit 41: Specifies the [Comment#getContent\(\)](#) property.

```
public static final long OWNER_NAME = 4398046511104L
```

[Comment](#): Bit 42: Specifies the [Comment#getOwnerName\(\)](#) property.

```
public static final long HIGHER_ID = 175921860444160L
```

[Role](#): Bit 45 and 47: Specifies the [Role#getHigherId\(\)](#) property.

```
public static final long CARDINALITY = 281474976710656L
```

[Role](#): Bit 48: Specifies the [Role#getCardinality\(\)](#) property.

```
public static final long ROLE_TYPE = 562949953421312L
```

[Role](#): Bit 48: Specifies the [Role#getType\(\)](#) property.

```
public static final long PROCESS_TESTING_CREATED_BY = 32L
```

[ProcessTesting](#): Specifies the [ProcessTesting#getCreatedById\(\)](#) property.

```
public static final long PROCESS_TESTING_CREATED_BY_LABEL = 64L
```

[ProcessTesting](#): Specifies the [ProcessTesting#getCreatedByLabel\(\)](#) property.

```
public static final long PROCESS_TESTING_CREATED_BY_REALNAME = 128L
```

[ProcessTesting](#): Specifies the [ProcessTesting#getCreatedByRealName\(\)](#) property.

```
public static final long PROCESS_TESTING_MODIFIED_BY = 256L
```

[ProcessTesting](#): Specifies the [ProcessTesting#getModifiedById\(\)](#) property.

```
public static final long PROCESS_TESTING_MODIFIED_BY_LABEL = 1024L
```

[ProcessTesting](#): Specifies the [ProcessTesting#getModifiedByLabel\(\)](#) property.

```
public static final long PROCESS_TESTING_MODIFIED_BY_REALNAME = 2048L
```

[ProcessTesting](#): Specifies the [ProcessTesting#getModifiedByRealName\(\)](#) property.

```
public static final long PROCESS_TESTING_DEFINITION_TOTAL_RUNS = 32768L
```

[ProcessTestingDefinition](#): Specifies the [ProcessTestingDefinition#getTotalRuns\(\)](#) property.

```
public static final long  
PROCESS_TESTING_DEFINITION_SUCCESS_RUNS = 65536L
```

[ProcessTestingDefinition](#): Specifies the [ProcessTestingDefinition#getSuccessRuns\(\)](#) property.

```
public static final long PROCESS_TESTING_DEFINITION_FAIL_RUNS = 131072L
```

[ProcessTestingDefinition](#): Specifies the [ProcessTestingDefinition#getFailRuns\(\)](#) property.

```
public static final long  
PROCESS_TESTING_DEFINITION_LAST_SUCCESS = 262144L
```

[ProcessTestingDefinition](#): Specifies the [ProcessTestingDefinition#getLastSuccess\(\)](#) property.

```
public static final long PROCESS_TESTING_DEFINITION_LAST_FAIL = 524288L
```

[ProcessTestingDefinition](#): Specifies the [ProcessTestingDefinition#getLastFail\(\)](#) property.

```
public static final long
PROCESS_TESTING_DEFINITION_LAST_DURATION = 1048576L
```

[ProcessTestingDefinition](#): Specifies the [ProcessTestingDefinition#getLastDuration\(\)](#) property.

```
public static final long
PROCESS_TESTING_INSTANCE_STARTED_BY_ID = 2097152L
```

[ProcessTestingInstance](#): Specifies the [ProcessTestingInstance#getStartedById\(\)](#) property.

```
public static final long
PROCESS_TESTING_INSTANCE_STARTED_BY_LABEL = 4194304L
```

[ProcessTestingInstance](#): Specifies the [ProcessTestingInstance#getStartedByLabel\(\)](#) property.

```
public static final long
PROCESS_TESTING_INSTANCE_STARTED_BY_REALNAME = 8388608L
```

[ProcessTestingInstance](#): Specifies the [ProcessTestingInstance#getStartedByRealName\(\)](#) property.

```
public static final long PROCESS_TESTING_INSTANCE_STARTED_AT = 16777216L
```

[ProcessTestingInstance](#): Specifies the [ProcessTestingInstance#getStartedAt\(\)](#) property.

```
public static final long
PROCESS_TESTING_INSTANCE_FINISHED_BY_ID = 33554432L
```

[ProcessTestingInstance](#): Specifies the [ProcessTestingInstance#getFinishedById\(\)](#) property.

```
public static final long
PROCESS_TESTING_INSTANCE_FINISHED_BY_LABEL = 67108864L
```

[ProcessTestingInstance](#): Specifies the [ProcessTestingInstance#getFinishedByLabel\(\)](#) property.

```
public static final long
PROCESS_TESTING_INSTANCE_FINISHED_BY_REALNAME = 134217728L
```

[ProcessTestingInstance](#): Specifies the [ProcessTestingInstance#getFinishedByRealName\(\)](#) property.

```
public static final long
PROCESS_TESTING_INSTANCE_FINISHED_AT = 268435456L
```

[ProcessTestingInstance](#): Specifies the [ProcessTestingInstance#getFinishedAt\(\)](#) property.

```
public static final long USER_ALL = 1085507149246771231L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
PASSWORD | PRIVILEGES | EMAIL | REAL_NAME | DIRECTORY | DATE_LI |
```

DATE_LO | WORKING_PLANNER | ACCESS_RESTRICTED_BY_WP

```
public static final long USER_UPDATE_ALL = 864716417222582298L
```

LABEL | FLAGS | DESCRIPTION | DATE_M | PRIVILEGES | EMAIL | REAL_NAME
| DIRECTORY | WORKING_PLANNER | ACCESS_RESTRICTED_BY_WP

```
public static final long GROUP_ALL = 23089744195615L
```

ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
PRIVILEGES | DIRECTORY | PARENT_ID

```
public static final long GROUP_UPDATE_ALL = 23089744191515L
```

ID | LABEL | FLAGS | DESCRIPTION | DATE_M | PRIVILEGES | DIRECTORY |
PARENT_ID

```
public static final long ROLE_ALL = 1042337023143967L
```

ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
PRIVILEGES | DIRECTORY | HIGHER_ID

```
public static final long ROLE_UPDATE_ALL = 479387069718555L
```

ID | LABEL | FLAGS | DESCRIPTION | DATE_M | PRIVILEGES | DIRECTORY |
HIGHER_ID

```
public static final long POSITION_ALL = 18084767253671967L
```

ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
ORDER_INDEX | DATA

```
public static final long POSITION_UPDATE_ALL = 18084767253667867L
```

ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
ORDER_INDEX | DATA

```
public static final long PORTAL_ALL = 12831L
```

ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
FILE_ID

```
public static final long PORTAL_UPDATE_ALL = 8731L
```

ID | LABEL | FLAGS | DESCRIPTION | DATE_M | FILE_ID.

```
public static final long PLANNER_ALL = 3298534895679L
```

ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
DEPLOYED | TIMETABLE | DATABASE_ID.

```
public static final long PLANNER_DAY_ALL = 7696581394441L
```

```
ID | FLAGS | DAY_TIMETABLE | DAY_DATE | DAY_RECURRENT.
```

```
public static final long DATABASE_ALL = 18154036486221855L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |  
ADMINISTRATOR_ID | DESCRIPTION_URL | ANONYMOUS_COMMANDS |  
RESTRICTED_COMMANDS | FULL_COMMANDS | CONN_URL | CRON_EXPRESSION |  
DATA
```

```
public static final long DATABASE_UPDATE_ALL = 18154036486217755L
```

```
ID | LABEL | FLAGS | DESCRIPTION | DATE_M | ADMINISTRATOR_ID |  
DESCRIPTION_URL | CONN_URL | ANONYMOUS_COMMANDS | RESTRICTED_COMMANDS  
| FULL_COMMANDS | CRON_EXPRESSION | DATA
```

```
public static final long STORAGE_ALL = 12319L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M.
```

```
public static final long RULE_ALL = 9L
```

```
ID | FLAGS
```

```
public static final long RESOURCE_ALL = 1099511640607L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | FILE_ID | RES_TYPE |  
DATE_C | DATE_M
```

```
public static final long TYPE_ALL = 137438966303L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | FILE_ID | DATE_C |  
DATE_M | PACKAGE
```

```
public static final long GRID_ALL = 137438966303L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | FILE_ID | DATE_C |  
DATE_M | PACKAGE
```

```
public static final long ATTRIBUTE_ALL = 18014536485318687L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | TYPE_ID | DATE_C |  
DATE_M | DATA | PACKAGE
```

```
public static final long ATTRIBUTE_UPDATE_MASK = 536870938L
```

```
LABEL | FLAGS | DESCRIPTION | TYPE_ID
```

```
public static final long FORM_ALL = 34235184362047L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
DEPLOYED | FILE_ID | DEPLOYMENT_ID | DEPLOYMENT_STAMP | ICON |
DISPLAYPROFILE_ID | LIFECYCLE_RULE_FILEID | ARCHIVE_STORAGE_ID |
FRAGMENT_FILE_ID | HIERARCHY_FILE_ID | PACKAGE
```

```
public static final long FORM_UPDATE_ALL = 45599L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
FILE_ID | ICON
```

```
public static final long FORM_DEPLOY = 12884901921L
```

```
ID | DEPLOYED | DEPLOYMENT_ID | DEPLOYMENT_STAMP
```

```
public static final long FORM_UNDEPLOY = 33L
```

```
ID | DEPLOYED
```

```
public static final long PROCESSDEF_ALL = 2673097572364991L
```

```
ID | LABEL | OWNER_ID | FLAGS | FORM_ID | DESCRIPTION | DATE_C |
DATE_M | FILE_ID | DEPLOYED | DEPLOYMENT_ID | DEPLOYMENT_STAMP |
DELAY_D | DELAY_X | PRIORITY | REFCOUNT | VERSION_OF | MANAGER_ID |
PROCESS_ID_PLANNER | DEPLOYMENT_FORM_ID | SECURITY_PROFILE |
PROFILE_ID | DELAY_D_ATTR_ID | DELAY_X_ATTR_ID | PACKAGE
```

```
public static final long PROCESSDEF_UPDATE_ALL = 2654255479567007L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
FILE_ID | MANAGER_ID | FORM_ID | PROCESS_ID_PLANNER | PRIORITY | ICON
| DELAY_D | DELAY_X | SECURITY_PROFILE | PROFILE_ID
```

```
public static final long PROCESSDEF_DEPLOY = 17605070946337L
```

```
ID | DEPLOYED | DEPLOYMENT_ID | DEPLOYMENT_STAMP | DEPLOYMENT_FORM_ID
```

```
public static final long PROCESSDEF_UNDEPLOY = 33L
```

```
ID | DEPLOYED
```

```
public static final long PROCESS_MANAGEMENT = 291370702844575L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
FILE_ID | MANAGER_ID | FORM_ID | PRIORITY | PROCESS_ID_PLANNER | ICON
| DATE_S | DATE_D | DATE_X | OVERDUE | EXPIRED | PROCESS_STATUS |
DEFINITION_ID
```

```
public static final long SCRIPT_ALL = 3448858751551L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
FILE_ID | SCRIPT_LANG | SCRIPT_TYPE | DEPLOYED | DEPLOYMENT_ID |
DEPLOYMENT_STAMP | PACKAGE
```

```
public static final long SCRIPT_VERSION_ALL = 108089839915643455L
```

```
SCRIPT_ALL | VERS_OBJ_COMMENT | VERS_OBJ_INDEX
```

```
public static final long VIEW_ALL = 1236950626367L
```

```
ID | LABEL | OWNER_ID | FLAGS | DATE_C | DATE_M | DESCRIPTION |
DEPLOYED | DESCRIPTION_URL | ICON | PACKAGE
```

```
public static final long VIEW_UPDATE_ALL = 1099511672863L
```

```
ID | LABEL | OWNER_ID | FLAGS | DATE_C | DATE_M | DESCRIPTION |
DESCRIPTION_URL | ICON
```

```
public static final long VIEW_ELEMENT_ALL = 1099511640095L
```

```
ID | LABEL | OWNER_ID | FLAGS | DATE_C | DATE_M | DESCRIPTION |
DISPLAYPROFILE_ID
```

```
public static final long VIEW_ELEMENT_UPDATE_ALL = 8219L
```

```
ID | LABEL | FLAGS | DATE_M | DESCRIPTION
```

```
public static final long VIEW_RUNTIME_TREE = 11L
```

```
ID | LABEL | FLAGS
```

```
public static final long VIEW_DEPLOY = 33L
```

```
ID | DEPLOYED
```

```
public static final long VIEW_UNDEPLOY = 33L
```

```
ID | DEPLOYED
```

```
public static final long ISJOB_ALL = 141733933631L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
DEPLOYED | FILE_ID | DEPLOYMENT_ID | PACKAGE
```

```
public static final long MODELOCR_ALL = 141733933631L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
DEPLOYED | FILE_ID | DEPLOYMENT_ID | PACKAGE
```

```
public static final long SECURITY_PROFILE_ALL = 137438965823L
```

```
ID | LABEL | DESCRIPTION | DATE_C | DATE_M | OWNER_ID | FLAGS |
CUSTOM_SECURITY_PROCEDURE | PACKAGE
```

```
public static final long FOLDER_PROFILE_ALL = 139775415693343L
```

```
ID | LABEL | DESCRIPTION | DATE_C | DATE_M | OWNER_ID | FLAGS |
FP_COLUMNS | FP_OVERRIDDEN_OPTIONS | FP_CHILD_FORM_IDS |
FP_CHILD_DEF_FORM_ID | FP_CHILD_DEF_PROFILE_ID | FP_DOC_FORM_IDS |
FP_DOC_DEF_FORM_ID | PACKAGE
```

```
public static final long FOLDER_TREE = 32779L
```

```
ID | LABEL | FLAGS | ICON
```

```
public static final long FOLDER_ALL = 20266241273098383L
```

```
ID | LABEL | FLAGS | ICON | OWNER_ID | FORM_ID | FORM_PAGE | DATE_C |
DATE_M | MODIFY_BY | DATE_A | DATE_S | DATE_E | SECURITY_PROFILE |
PROFILE_ID
```

```
public static final long FOLDER_FULL = 20266241273098639L
```

```
ID | LABEL | FLAGS | ICON | OWNER_ID | FORM_ID | FORM_PAGE | DATE_C |
DATE_M | MODIFY_BY | DATE_A | DATE_S | DATE_E | SECURITY_PROFILE |
PROFILE_ID | ATTRIBUTES
```

```
public static final long FOLDER_UPDATE_ALL = 2251842763583626L
```

```
LABEL | FLAGS | DATE_C | DATE_M | DATE_A | FORM_ID | FORM_PAGE |
STATE_ID | DATE_S | DATE_E | SECURITY_PROFILE | PROFILE_ID
```

```
public static final long FOLDER_UPDATE_FULL = 2251842763583882L
```

```
LABEL | FLAGS | DATE_C | DATE_M | DATE_A | FORM_ID | FORM_PAGE |
ATTRIBUTES | STATE_ID | DATE_S | DATE_E | SECURITY_PROFILE |
PROFILE_ID
```

```
public static final long DOCUMENT_THUMB = 39594266187L
```

```
ID | LABEL | FLAGS | VERSION | FILE_ID | FILE_TYPE | FILE_SIZE | ICON
| LOCKED_BY | DATE_L | VALID_MILLIS | LOCK_TYPE | SECURITY_PROFILE
```

```
public static final long DOCUMENT_VC_SYSATTRS = 2053641430081732608L
```

```
Flag.REQUESTED_BY | Flag.VALIDATED_BY | Flag.DATE_VALIDATION |
Flag.DATE_PUBLISHED | Flag.DATE_EXPIRED | Flag.VALIDITY
```

```
public static final long DOCUMENT_LIST = 18014712984813131L
```

```
ID | LABEL | FLAGS | VERSION | FILE_ID | FILE_TYPE | FILE_SIZE | ICON
| LOCKED_BY | DATE_L | VALID_MILLIS | LOCK_TYPE | SECURITY_PROFILE |
DATE_C | DATE_M | OCR_FILE_ID | LINKED_ID | TAGS
```

```
public static final long DOCUMENT_ALL = 2071656151723605711L
```

```
ID | LABEL | FLAGS | VERSION | FILE_ID | FILE_TYPE | FILE_SIZE | ICON
| LOCKED_BY | DATE_L | VALID_MILLIS | LOCK_TYPE | SECURITY_PROFILE |
DATE_C | DATE_M | OCR_FILE_ID | LINKED_ID | TAGS | OWNER_ID | FORM_ID
| FORM_PAGE | DATE_A
```

```
public static final long DOCUMENT_FULL = 2071656151723605967L
```

```
ID | LABEL | FLAGS | VERSION | FILE_ID | FILE_TYPE | FILE_SIZE | ICON
| LOCKED_BY | DATE_L | VALID_MILLIS | LOCK_TYPE | SECURITY_PROFILE |
DATE_C | DATE_M | OCR_FILE_ID | LINKED_ID | TAGS | OWNER_ID | FORM_ID
| FORM_PAGE | DATE_A | ATTRIBUTES
```

```
public static final long VERSION_ALL = 36028797018996303L
```

```
ID | LABEL | OWNER_ID | FLAGS | DATE_C | DATE_M | DATE_A | FILE_ID |
FILE_SIZE | FILE_TYPE | VERSION | VERS_OBJ_COMMENT
```

```
public static final long TRASH_INFO = 4573969445289984L
```

```
DELETED | DATE_DEL | DELETE_BY
```

```
public static final long NOTE_ALL = 29189L
```

```
ID | OWNER_ID | DATE_C | DATE_M | DATE_A | FILE_ID
```

```
public static final long SEARCHTEMPLATE_ALL = 67121695L
```

```
LABEL | FLAGS | DATE_C | DATE_M | DESCRIPTION | ID | OWNER_ID |
FILE_ID | PRESENTATION
```

```
public static final long SEARCHTEMPLATE_UPDATEALL = 67117595L
```

```
LABEL | FLAGS | DATE_M | DESCRIPTION | ID | FILE_ID | PRESENTATION
```

```
public static final long PROCESS_ALL = 20687354352071567L
```

```
ID | LABEL | OWNER_ID | FLAGS | DATE_C | DATE_M | DATE_A | DATE_D |
DATE_X | DATE_E | DATE_S | FILE_ID | FORM_ID | FORM_PAGE | ATTRIBUTES
| PRIORITY | REFCOUNT | OVERDUE | EXPIRED | PROCESS_STATUS |
RUNTIME_FILE_ID | RUNTIME_STATE | DEFINITION_ID | MANAGER_ID |
PROCESS_ID_PLANNER | PROCESS_START_POINT | DRAFT_FORM_PAGE |
SECURITY_PROFILE | PROFILE_ID
```

```
public static final long TASK_INBOX = 280375567646731L
```

```
ID | LABEL | FLAGS | DATE_S | DATE_D | DATE_X | PRIORITY | OVERDUE |
TASK_ACTORID | TASK_EXECUTORID | TASK_STATUS | TASK_LOCATION |
TASK_PROCESS_LABEL | TASK_SUBJECT | TASK_FORM_PAGE | TASK_FORM_ID
```

```
public static final long TASK_ALL = 216453157700464671L
```

```
ID | LABEL | FLAGS | OWNER_ID | DATE_C | DATE_M | DATE_A | DATE_S |
DATE_E | DATE_D | DATE_X | PRIORITY | OVERDUE | EXPIRED | MANAGER_ID |
TASK_ROLEID | TASK_GROUPID | TASK_EXECUTORID | TASK_STATUS |
TASK_LOCATION | TASK_PROCESS_LABEL | TASK_SUBJECT | TASK_FORM_PAGE |
TASK_FORM_ID | FLOW_MODE
```

```
public static final long USER_PROFILE_ALL = 1099511640095L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
PARENT_ID
```

```
public static final long JASY_ALL = 69269232758799L
```

```
ID | LABEL | OWNER_ID | FLAGS | DATE_C | DATE_M | DATE_S | DATE_E |
JASY_TYPE | JASY_STATUS | JASY_PROG_PERCENT | JASY_PROG_STATUS |
JASY_EMAIL | JASY_CONFIG
```

```
public static final long COMPOSITION_RULE_ALL = 150323868223L
```

```
ID | LABEL | DESCRIPTION | DATE_C | DATE_M | OWNER_ID | FLAGS |
DEPLOYED | FILE_ID | DEPLOYMENT_ID | DEPLOYMENT_STAMP | PACKAGE
```

```
public static final long
COMPOSITION_RULE_VERSION_ALL = 108086391056904735L
```

```
ID | LABEL | DESCRIPTION | DATE_C | DATE_M | OWNER_ID | FLAGS |
FILE_ID | VERS_OBJ_COMMENT | VERS_OBJ_INDEX
```

```
public static final long FORM_DISPLAY_PROFILE_ALL = 2251799813685377L
```

```
ID | FORM_ID | PROFILE_ID
```

```
public static final long FORM_VERSION_ALL = 108120626241253951L
```

```
FORM_ALL | VERS_OBJ_COMMENT | VERS_OBJ_INDEX
```

```
public static final long PROCESSDEF_VERSION_ALL = 110740659492631231L
```

```
ID | LABEL | OWNER_ID | FLAGS | FORM_ID | DESCRIPTION | DATE_C |
DATE_M | FILE_ID | DEPLOYED | DEPLOYMENT_ID | DEPLOYMENT_STAMP |
DELAY_D | DELAY_X | PRIORITY | REFCOUNT | MANAGER_ID |
```

```
PROCESS_ID_PLANNER | SECURITY_PROFILE | PROFILE_ID | VERS_OBJ_COMMENT
| VERS_OBJ_INDEX
```

```
public static final long ISJOB_VERSION_ALL = 108086391056904767L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
DEPLOYED | FILE_ID | VERS_OBJ_COMMENT | VERS_OBJ_INDEX
```

```
public static final long MODELOCR_VERSION_ALL = 108086391056904767L
```

```
ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M |
DEPLOYED | FILE_ID | VERS_OBJ_COMMENT | VERS_OBJ_INDEX
```

```
public static final long VIEW_VERSION_ALL = 108087490568532031L
```

```
ID | LABEL | OWNER_ID | FLAGS | DATE_C | DATE_M | DESCRIPTION |
DEPLOYED | DESCRIPTION_URL | VERS_OBJ_COMMENT | VERS_OBJ_INDEX
```

```
public static final long COMMENT_ALL = 7696581406735L
```

```
ID | LABEL | FLAGS | DATE_C | DATE_M | OWNER_ID | OWNER_NAME |
PARENT_ID | COMMENT_CONTENT
```

```
public static final long COMMENT_UPDATE_ALL = 6597069774858L
```

```
LABEL | FLAGS | DATE_M | OWNER_NAME | COMMENT_CONTENT
```

```
public static final long MAIL_TEMPLATE_ALL = 137438966303L
```

```
ID | LABEL | DESCRIPTION | DATE_C | DATE_M | OWNER_ID | FLAGS |
FILE_ID
```

```
public static final long DEF_FILE_ID = 1099511627776L
```

Specifies the [DocumentTemplate#getDefFileId\(\)](#) property).

```
public static final long DOCUMENT_TEMPLATE_ALL = 1236950594079L
```

```
ID | LABEL | DESCRIPTION | DATE_C | DATE_M | OWNER_ID | FLAGS |
FILE_ID | DEF_FILE_ID | PACKAGE
```

```
public static final long FOR_FOLDERS = 16777216L
```

[Form#getFlags\(\)](#): Specifies form can be set on folders. Can be combined with [#FOR_PROCESSES](#) | [#FOR_DOCUMENTS](#) | [#FOR_SEARCH](#) in this case.

[ViewElement#getFlags\(\)](#): Specifies view element will render on folders. Can be combined with [#FOR_PROCESSES](#) but not [#FOR_DOCUMENTS](#) in this case.

```
public static final long FOR_PROCESSES = 33554432L
```

[Form#getFlags\(\)](#): Specifies form can be set on processes. Can be combined with [#FOR_FOLDERS](#)|[#FOR_DOCUMENTS](#)|[#FOR_SEARCH](#) in this case.

[ViewElement#getFlags\(\)](#): Specifies view element will render on processes. Can be combined with [#FOR_FOLDERS](#) but not [#FOR_DOCUMENTS](#) in this case.

```
public static final long FOR_DOCUMENTS = 67108864L
```

[Form#getFlags\(\)](#): Specifies form can be set on documents. Can be combined with [#FOR_PROCESSES](#)|[#FOR_FOLDERS](#)|[#FOR_SEARCH](#) in this case.

[ViewElement#getFlags\(\)](#): Specifies view element will render on folders. Cannot be combined with neither [#FOR_PROCESSES](#) nor [#FOR_FOLDERS](#) in this case.

```
public static final long FOR_SEARCH = 134217728L
```

[Form#getFlags\(\)](#): Specifies form can be set on folders. Can be combined with [#FOR_PROCESSES](#)|[#FOR_DOCUMENTS](#)|[#FOR_SEARCH](#) in this case.

```
public static final long HIDE_IN_SEARCH = 268435456L
```

[Form#getFlags\(\)](#): Specifies form cannot be used as value in search conditions. Can be combined with [#FOR_PROCESSES](#)|[#FOR_FOLDERS](#)|[#FOR_DOCUMENTS](#) in this case.

```
public static final long CLASSES_MASK = 2399141888L
```

Bit-mask for [ViewElement#getFlags\(\)](#)

```
public static final long IS_OBJECTS = 134217728L
```

[ViewElement#getFlags\(\)](#): specifies that view element renders to actual objects (folders, document, processes)

```
public static final long SHOW_SUBFOLDERS = 2147483648L
```

[ViewElement#getFlags\(\)](#): specifies that rendered class element shall display the real folders in the tree. Applies only to view elements containing 'FOR_FOLDERS', otherwise this should be signaled as error by compiler

```
public static final long CLASS_SORT_MASK = 1879048192L
```

Bit mask for criteria sorting specified in [ViewElement#getFlags\(\)](#)

```
public static final long ORDER_ASC_1 = 0L
```

[ViewElement#getFlags\(\)](#): order by first unicity criterion, ascending (by default)

```
public static final long ORDER_DESC_1 = 268435456L
```

[ViewElement#getFlags\(\)](#): order by first unicity criterion, descending

```
public static final long ORDER_ASC_2 = 0L
```

[ViewElement#getFlags\(\)](#): order by second unicity criterion, ascending (by default)

```
public static final long ORDER_DESC_2 = 536870912L
```

[ViewElement#getFlags\(\)](#): order by second unicity criterion, descending

```
public static final long ORDER_ASC_3 = 0L
```

[ViewElement#getFlags\(\)](#): order by third unicity criterion, ascending (by default)

```
public static final long ORDER_DESC_3 = 1073741824L
```

[ViewElement#getFlags\(\)](#): order by third unicity criterion, descending (by default)

```
public static final long ROOT_VE = 8796093022208L
```

[ViewElement#getFlags\(\)](#): root* view element

```
public static final long HAS_CLASSES = 4294967296L
```

[ClassificationElement#getFlags\(\)](#): Specifies item has child elements to render.

```
public static final long HAS_DOCUMENTS = 8589934592L
```

[ClassificationElement#getFlags\(\)](#): Specifies item has document list render.

```
public static final long IS_FOLDER = 17179869184L
```

[ClassificationElement#getFlags\(\)](#): Specifies item is actual folder.

```
public static final long IS_PROCESS = 34359738368L
```

[ClassificationElement#getFlags\(\)](#): Specifies item is actual process.

```
public static final long ADD_ENABLED = 68719476736L
```

[ClassificationElement#getFlags\(\)](#): Specifies documents can be added in item.

```
public static final long HAS_FULLTEXT = 1L
```

[Database#getFlags\(\)](#): Database has fulltext capability (bit 0)

```
public static final long SECURITY_MODE_MASK = 6L
```

[Database#getFlags\(\)](#): 2-bit mask for the database security support (bits 1 and 2)

```
public static final long SECURITY_MODE_NONE = 0L
```

[Database#getFlags\(\)](#): Security mode 0, database has no security support

```
public static final long SECURITY_MODE_SIMPLE = 2L
```

[Database#getFlags\(\)](#): Security mode 2 ($1 \ll 1$), database has simple security support

```
public static final long SECURITY_MODE_MEDIUM = 4L
```

[Database#getFlags\(\)](#): Security mode 4 ($2 \ll 1$), database has medium security support

```
public static final long SECURITY_MODE_COMPLEX = 6L
```

[Database#getFlags\(\)](#): Security mode 6 ($3 \ll 1$), database has complex security support

```
public static final long IS_PUBLIC = 8L
```

[Database#getFlags\(\)](#): database is public (bit 3).

[View#getFlags\(\)](#): view is public.

[SearchTemplate#getFlags\(\)](#): search template is public.

```
public static final long DATABASE_RESTRICTED_ARCHIVE = 64L
```

[Database#getFlags\(\)](#): Database restricted archive (bit 6) - Only DBA users can perform delete in archive.

```
public static final long DATABASE_OFFLINE = 16384L
```

[Database#getFlags\(\)](#): Database offline (bit 13)

```
public static final long DATABASE_WORKFLOW_INACTIVE = 32768L
```

[Database#getFlags\(\)](#): Workflow paused on database (bit 14)

```
public static final long DATABASE_LIFECYCLE_INACTIVE = 131072L
```

[Database#getFlags\(\)](#): Lifecycle jobs paused on database (bit 15)

```
public static final long DATABASE_LIFECYCLE_DEBUG = 262144L
```

[Database#getFlags\(\)](#): Lifecycle is in debug mode, as in it does not actually archive/delete objects, only dumps rendered result to console (bit 16)

```
public static final long DATABASE_UNAVAILABLE = 4611686018427387904L
```

[Database#getFlags\(\)](#): Database schema is external and is unavailable (bit 17)

```
public static final long ENABLE_COMMENTS = 536870912L
```

[Database#getFlags\(\)](#): specifies if forum is enabled on a database

```
public static final long ENABLE_TRASH = 17179869184L
```

[Database#getFlags\(\)](#): specifies if recycle bin is enabled on a database

```
public static final long DISPLAY_TREE_COUNTERS = 34359738368L
```

[Database#getFlags\(\)](#): specifies if counters value is displayed in tree

```
public static final long  
DATABASE_LUCENE_SIMPLESEARCH = 72057594037927936L
```

[Database#getFlags\(\)](#): Database has lucene simple search capability

```
public static final long  
DATABASE_BUILD_LUCENE_SIMPLESEARCH = 144115188075855872L
```

[Database#getFlags\(\)](#): lcn_ss reindexing database in progress...

```
public static final long  
DATABASE_LUCENE_CONTENTSEARCH = 288230376151711744L
```

[Database#getFlags\(\)](#): Database has lucene content search capability

```
public static final long  
DATABASE_BUILD_LUCENE_CONTENTSEARCH = 576460752303423488L
```

[Database#getFlags\(\)](#): lcn_content reindexing database in progress...

```
public static final long FULLTEXT_ACCENT_INSENSITIVE = 4503599627370496L
```

[Database#getFlags\(\)](#): accent insensitive solr index (index type)

```
public static final long FULLTEXT_ACCENT_SENSITIVE = 9007199254740992L
```

[Database#getFlags\(\)](#): accent sensitive solr index (index type)

```
public static final long FULLTEXT_ACCENT_BOTH = 13510798882111488L
```

[Database#getFlags\(\)](#): accent sensitive and insensitive solr index (query time selection) (index type)

```
public static final long IS_DEFAULT = 32L
```

[Planner#getFlags\(\)](#): specifies this planner is the server default planner.

[Portal#getFlags\(\)](#): specifies this portal is the server default portal.

```
public static final long FOLDER_HAS_ATTRIBUTES = 1L
```

[Folder#getFlags\(\)](#): specifies folder has custom attributes which are not empty

```
public static final long FOLDER_HAS_NOTES = 2L
```

[Folder#getFlags\(\)](#): specifies folder has notes, useful to add a 'note' symbol to the folder icon, wherever it is displayed.

```
public static final long FOLDER_HAS_CHILDREN = 4L
```

[Folder#getFlags\(\)](#): specifies folder has sub-folders, useful to add a '+' sign to the folder tree item.

```
public static final long HAS_COMMENTS = 32768L
```

[Folder#getFlags\(\)](#): specifies folder has comments, useful to add a 'comments' symbol to the folder icon, wherever it is displayed.

[Document#getFlags\(\)](#): specifies document has comments, useful to add a 'comments' symbol to the document icon, wherever it is displayed.

[Process#getFlags\(\)](#): specifies process has comments, useful to add a 'comments' symbol to the process icon, wherever it is displayed.

```
public static final long HAS_NOTIFICATIONS = 262144L
```

[Folder#getFlags\(\)](#): specifies folder has notifications, useful to add a 'notification' symbol to the folder icon, wherever it is displayed.

[Document#getFlags\(\)](#): specifies document has notifications, useful to add a 'notification' symbol to the document icon, wherever it is displayed.

[Process#getFlags\(\)](#): specifies process has notifications, useful to add a 'notification' symbol to the process icon, wherever it is displayed.

```
public static final long FORM_ATTR_MANDATORY = 1L
```

(Long) [Assignment#getData\(\)](#): specifies attribute is mandatory in context of form.

```
public static final long FORM_ATTR_LINKED = 2L
```

(Long) [Assignment#getData\(\)](#): specifies attribute is linked to another attribute in context of form.

```
public static final long FORM_ATTR_LOCKED = 4L
```

(Long) [Assignment#getData\(\)](#): specifies attribute is locked, in context of form can not have a "keep value" checkbox.

```
public static final long FORM_ATTR_XNORMAL = 0L
```

(Long) [Assignment#getData\(\)](#): specifies the list attribute is normal, has no special behavior.

```
public static final long FORM_ATTR_XSIMPLE = 16L
```

(Long) [Assignment#getData\(\)](#): specifies the list attribute is plain, as in the hierarchy value is irrelevant, all items are considered on same level and are represented as a linear list.

```
public static final long FORM_ATTR_XFULLPATH = 32L
```

(Long) [Assignment#getData\(\)](#): specifies the list attribute is 'full path', as in items are specified with all

parent items in the hierarchy

```
public static final long FORM_ATTR_XMULTPILE = 48L
```

(Long) [Assignment#getData\(\)](#): specifies the list attribute is 'multiple selection', as in the attribute value can contain more than one value from the list.

```
public static final long FORM_ATTR_XCATEGORY = 64L
```

(Long) [Assignment#getData\(\)](#): specifies the list attribute is 'category type', as in the attribute value can contain any value from the list except first level values.

```
public static final long FORM_ATTR_XMULTILINE = 80L
```

(Long) [Assignment#getData\(\)](#): bit mask for the above properties, since they are exclusive.

```
public static final long FORM_ATTR_XRADIO = 96L
```

(Long) [Assignment#getData\(\)](#): specifies the list attribute is a list of radio buttons

```
public static final long FORM_ATTR_XRADIO_INLINE = 112L
```

(Long) [Assignment#getData\(\)](#): specifies the list attribute is a list of inline radio buttons

```
public static final long FORM_ATTR_XMASK = 240L
```

(Long) [Assignment#getData\(\)](#): bit mask for the above properties, since they are exclusive.

```
public static final long PROFILE_DEFAULT = 1L
```

[UserProfile#getFlags\(\)](#): specifies it is the default user profile.

```
public static final long PROFILE_ANONYMOUS = 2L
```

[UserProfile#getFlags\(\)](#): specifies it is the user profile for anonymous connections

```
public static final long PROFILE_EXTERNAL_EMAIL = 4L
```

[UserProfile#getFlags\(\)](#): specifies it is the user profile for external email users connections

```
public static final long DOCSTAT_ATTRIBUTES = 1L
```

[Document#getFlags\(\)](#): document has custom attributes which are not empty.

```
public static final long DOCSTAT_CDARCHIVED = 4L
```

[Document#getFlags\(\)](#): document file is stored on optical media.

[DocumentVersion#getFlags\(\)](#): document file is stored on optical media.

```
public static final long DOCSTAT_LOCK_OTHER = 8L
```

[Document#getFlags\(\)](#): document is locked to user other than one accessing the document. This flag is connection dependent.

```
public static final long DOCSTAT_LOCK_MYSELF = 16L
```

[Document#getFlags\(\)](#): document is locked to user accessing the document. This flag is connection dependent.

```
public static final long DOCSTAT_LOCKED = 32L
```

[Document#getFlags\(\)](#): document is locked for changes.

```
public static final long DOCSTAT_NOTES = 64L
```

[Document#getFlags\(\)](#): document has notes.

```
public static final long DOCSTAT_FULLTEXT = 256L
```

[Document#getFlags\(\)](#): document has indexed content.

```
public static final long DOCSTAT_HAS_VERSIONS = 512L
```

[Document#getFlags\(\)](#): document has versions.

```
public static final long DOCSTAT_SYS_ATTRIBUTES = 1024L
```

[Document#getFlags\(\)](#): search hit in document's system attributes. This flag is relevant in the context of search.

```
public static final long DOCSTAT_COPYOFDOC = 2048L
```

[Document#getFlags\(\)](#): document is copy of another document specified by [Document#getLinkedId\(\)](#).

```
public static final long DOCSTAT_REFTODOC = 4096L
```

[Document#getFlags\(\)](#): document is a reference of another document specified by [Document#getLinkedId\(\)](#).

```
public static final long DOCSTAT_PDF_HAS_TEXT = 8192L
```

[Document#getFlags\(\)](#): document content contains text blocks. May indicate that document has been converted to text. Relevant for PDF documents.

```
public static final long DOCSTAT_0000000000004000_BIT_AVAILABLE = 16384L
```

[Document#getFlags\(\)](#): unused

```
public static final long DOCSTAT_HAS_COMMENTS = 32768L
```

[Document#getFlags\(\)](#): document has comments

```
public static final long DOCSTAT_HAS_NOTIFICATIONS = 262144L
```

[Document#getFlags\(\)](#): document has notifications

```
public static final long USER_IS_EXTERNAL_LDAP = 1L
```

[User#getFlags\(\)](#), [Role#getFlags\(\)](#), [Group#getFlags\(\)](#): user/role/group is imported from an external directory.

```
public static final long USER_IS_SERVER_ACCOUNT = 2L
```

[User#getFlags\(\)](#): this is a sever account

```
public static final long USER_SALUTATION_MASK = 12L
```

[User#getFlags\(\)](#): this is a sever account

```
public static final long USER_SALUTATION_NONE = 0L
```

[User#getFlags\(\)](#): no salutation/unknown

```
public static final long USER_SALUTATION_MR = 4L
```

[User#getFlags\(\)](#): mister/monsieur

```
public static final long USER_SALUTATION_MRS = 8L
```

[User#getFlags\(\)](#): mistress/madame

```
public static final long USER_SALUTATION_MS = 12L
```

[User#getFlags\(\)](#): miss/mademoiselle

```
public static final long USER_LOCKED = 4294967296L
```

[User#getFlags\(\)](#): user's account is locked (explicitly by admin or due to successive failed login attempts)

```
public static final long USER_CHANGEPASS = 8589934592L
```

[User#getFlags\(\)](#): user must change pass on next login

```
public static final long USER_IS_EXTERNAL_EMAIL = 17179869184L
```

[User#getFlags\(\)](#): user is external (identified by email)

```
public static final long USER_DENY_LOGIN = 34359738368L
```

[User#getFlags\(\)](#): user cannot directly login to Gargantua

```
public static final long ROLE_IS_ATTACHED = 2L
```

[Role#getFlags\(\)](#): role is attached to the role set as authority (like secretary)

```
public static final long POSITION_WF_MASTER_ACCESS = 4L
```

[Position#getFlags\(\)](#): position has access to it's master-s inbox (e.g. secretary can access director's task inbox)

```
public static final long POSITION_CAN_SIGN = 8L
```

[Position#getFlags\(\)](#): position has the right to sign public/official documents

```
public static final long ROLE_LAYOUT_MASK = 65280L
```

[Role#getFlags\(\)](#): role sub-hierarchy layout mask. Layout possible values are $(0-0xFF) \ll 8$.

```
public static final long CAN_CANCEL = 256L
```

[Task#getFlags\(\)](#): task can be canceled by user. In the context of a dynamic process it also means that the process will be canceled if the task is canceled.

```
public static final long CAN_FINISH = 512L
```

[Task#getFlags\(\)](#): task can be the last in a dynamic process thread and allows for no subsequent tasks if not defined. This does not imply that the process will stop if it still has active threads.

```
public static final long CAN_STOP = 1024L
```

[Task#getFlags\(\)](#): task can be the last in a dynamic process thread and will end all other active threads (and consequently all active tasks) if any.

```
public static final long FLOW_VIEW = 4096L
```

[Task#getFlags\(\)](#): allow access to view the flow control path.

```
public static final long FLOW_EDIT = 8192L
```

[Task#getFlags\(\)](#): allow access to change the flow control path.

```
public static final long IS_SHARED_TASK = 262144L
```

[Task#getFlags\(\)](#): task is shared among users assigned to task role.

```
public static final long WAIT_SHARED_TASK_FINISH = 524288L
```

[Task#getFlags\(\)](#): wait for all users to finish the shared task.

```
public static final long NO_QUIT_TASK = 1048576L
```

[Task#getFlags\(\)](#): task cannot be quit by user, only manager can re-assign task.

```
public static final long IGNORE_FAIL = 2097152L
```

[Task#getFlags\(\)](#): assume system task finished gracefully even if execution failed.

```
public static final long MANDATORY_USE_OF_PROCESS_PLANNER = 4194304L
```

[Task#getFlags\(\)](#): task delays are rendered using the process planner not the assigned user's planner

```
public static final long KEEP_VALUES_ON_RESTART = 8388608L
```

[Task#getFlags\(\)](#): keep values on restart option for poll tasks.

```
public static final long ALLOW_ESCALATE = 16777216L
```

[Task#getFlags\(\)](#): allow assigned user to escalate task to higher role/position.

```
public static final long OVERDUE_BY_TASK = 512L
```

[Process#getFlags\(\)](#): process is marked overdue because of task who is past it's due date

```
public static final long EXPIRING_BY_TASK = 1024L
```

[Process#getFlags\(\)](#): process is marked as expiring because of task who is close (less than 1 day) to it's expiry date.

```
public static final long DELETE_ON_FINISH = 4096L
```

[Process#getFlags\(\)](#): process should be automatically deleted when it is finished.

[ProcessDefinition#getFlags\(\)](#): instances should be automatically deleted when they are finished.

```
public static final long DELETE_ON_CANCEL = 8192L
```

[Process#getFlags\(\)](#): process should be automatically deleted when it is canceled.

[ProcessDefinition#getFlags\(\)](#): instances should be automatically deleted when they are canceled.

```
public static final long DELETE_ON_EXPIRE = 16384L
```

[Process#getFlags\(\)](#): process should be automatically deleted when it expires.

[ProcessDefinition#getFlags\(\)](#): instances should be automatically deleted when they expire.

```
public static final long ATTR_ADVANCED_SEARCH = 268435456L
```

[Attribute#getFlags\(\)](#): hide the attribute in advanced search.

```
public static final long ATTR_DATABASE_INDEX_PENDING = 536870912L
```

[Attribute#getFlags\(\)](#): there is an index operation using this attribute currently running on the database.

```
public static final long ATTR_DATABASE_INDEX = 1073741824L
```

[Attribute#getFlags\(\)](#): this attribute is indexed to speed up search using it as criteria.

```
public static final long ATTR_CAPITAL_LETTERS = 2147483648L
```

[Attribute#getFlags\(\)](#): this attribute contains only capital letters

```
public static final long VIRTUAL = 36028797018963968L
```

[ArchiveFolder#getFlags\(\)](#): the folder is a virtual place-holder for it's corresponding active object.

```
public static final long NO_CHILDREN_ALIVE = 2147483648L
```

[ArchiveFolder#getFlags\(\)](#): the folder has only the children in the trash or is empty.

```
public static final long HAS_VIRTUAL = 72057594037927936L
```

[Folder#getFlags\(\)](#): the folder has a virtual place-holder corresponding in the archive.

```
public static final long IS_LADRAD = 64L
```

[ModelOCR#getFlags\(\)](#): the OCR model is result of a FlexiCapture import

```
public static final long USER_PLANNER = 64L
```

[Planner#getFlags\(\)](#): the planner is a user's own custom planner.

```
public static final long PROCESS_PLANNER = 128L
```

[Planner#getFlags\(\)](#): the planner is a process's own custom planner.

```
public static final long VERSION_PLANNER = 256L
```

[Planner#getFlags\(\)](#): the planner is a process version's own custom planner.

```
public static final long REORDER_LABEL_ASC = 0L
```

'Folder sort' operation flag. Means sort folders by label alphabetically ascending.

```
public static final long REORDER_LABEL_DESC = 1L
```

'Folder sort' operation flag. Means sort folders by label alphabetically descending.

```
public static final long EMAIL_NOTIFICATION = 1L
```

[Comment#getFlags\(\)](#): Notify author of reply to the comment.

```
public static final long COMMENT_IS_CLOSED = 2L
```

[Comment#getFlags\(\)](#): Specifies if the comment is closed.

```
public static final long CERT_ISSUED_BY = 1099511627776L
```

[Certificate](#): Bit 40: Specifies the [Certificate#getAuthority\(\)](#) property.

```
public static final long CERT_SERVER = 2199023255552L
```

[Certificate](#): Bit 41: Specifies the [Certificate#isOnServer\(\)](#) property.

```
public static final long CERT_FLAG_VALID_2 = 4398046511104L
```

[Certificate](#): Bit 42: Specifies the [Certificate#getValid2\(\)](#) property.

```
public static final long CERT_IDENTITY_PREFIX = 17592186044416L
```

[Certificate](#): Bit 44: Specifies the 'prefix' db column of the identity field.

```
public static final long CERT_IDENTITY_N0 = 35184372088832L
```

[Certificate](#): Bit 45: Specifies the 'numeric0' db column of the identity field.

```
public static final long CERT_IDENTITY = 52776558133248L
```

[Certificate](#): CERT_IDENTITY_PREFIX | CERT_IDENTITY_N0 : Specifies the [Certificate#getIdentityId\(\)](#) property.

```
public static final long CERT_GEN_CACERT = 70368744177664L
```

[Certificate](#): Bit 46: Specifies the [Certificate#getGenCACert\(\)](#) property.

```
public static final long CERTIFICATE_ALL = 139637976740415L
```

[Certificate](#): ID | LABEL | OWNER_ID | FLAGS | DESCRIPTION | DATE_C | DATE_M
| FILE_ID | DEPLOYED | CERT_ISSUED_BY | CERT_FLAG_VALID_2 |
CERT_IDENTITY | PASSWORD | CERT_SERVER | CERT_GEN_CACERT

```
public static final long IS_JOB_SCAN = 1L
```

[IsJob#getFlags\(\)](#): Scan IS job type.

```
public static final long IS_JOB_IMPORT = 2L
```

[IsJob#getFlags\(\)](#): Import IS job type.

```
public static final long IS_JOB_EMAIL = 4L
```

[IsJob#getFlags\(\)](#): Email IS job type.

```
public static final long IS_JOB_LAD_RAD = 256L
```

[IsJob#getFlags\(\)](#): IS Job with lad rad model.

```
public static final long IS_JOB_SIGN = 512L
```

[IsJob#getFlags\(\)](#): IS Job with sign.

```
public static final long IS_JOB_SIGN_MANDATORY = 1024L
```

[IsJob#getFlags\(\)](#): IS Job with mandatory sign.

```
public static final long SIMPLE_DEBUG = 8388608L
```

[Process#getFlags\(\)](#): process is running in simple debug mode. This means that all tasks come back to the user that started the process.

[ProcessDefinition#getFlags\(\)](#): instances will be run in simple debug mode.

```
public static final long ENABLE_DOCUMENT_ACCESS = 16777216L
```

[Process#getFlags\(\)](#): process allows external access from other instances to its documents. This means that documents are accessible through security profile rather than the restrictive default mode which allows only the manager and the current task executors to access the documents

[ProcessDefinition#getFlags\(\)](#): instances will allow access to documents based on security profile.

```
public static final long HAS_PLUGIN_OPTIONS = 33554432L
```

[Process#getFlags\(\)](#): specifies if a process has custom options that will be used in process review plugin

[ProcessDefinition#getFlags\(\)](#): instances will make use of this flag

```
public static final long  
NOTIFICATION_DEFINITION_ALL = 18014669092434057L
```

```
ID | FLAGS | DATE_C | DATE_M | NOTIF_TYPE | NOTIF_EVENT | FORM_ID |  
NOTIF_MAIL_TEMPLATE_ID | NOTIF_RECIPIENT_ID | NOTIF_OBJECT_ID |  
NOTIF_RECURSIVE | DATA
```

```
public static final long  
NOTIFICATION_DEFINITION_FULL = 18022915429642377L
```

```
NOTIFICATION_ALL | NOTIF_TIMESTAMP | NOTIF_EXECUTOR_ID |  
NOTIF_EXECUTOR_LABEL | NOTIF_EXECUTOR_REAL_NAME | DATA
```

```
public static final long NOTIFICATION_ALL = 52630529257609L
```

```
ID | FLAGS | DATE_C | DATE_M | NOTIF_EVENT | NOTIF_MAIL_TEMPLATE_ID |  
NOTIF_RECIPIENT_ID | NOTIF_OBJECT_ID | NOTIF_OBJECT_LABEL | FORM_ID |  
NOTIF_FORM_LABEL | NOTIF_TIMESTAMP | NOTIF_EXECUTOR_ID |  
NOTIF_EXECUTOR_LABEL | NOTIF_EXECUTOR_REAL_NAME | NOTIF_PROCESSED
```

```
public static final long NOTIFICATION_FULL = 70222715302025L
```

```
NOTIFICATION_ALL | NOTIF_OBJECT_DATA
```

```
public static final long FAVORITE_ALL = 520205L
```

```
ID | DATE_C | DATE_M | FLAGS | OWNER_ID | FAVORITE_OBJECT_ALL |  
FAVORITE_POSITION
```

```
public static final long VC_FLAG_START = 1L
```

[ValidationCycle#getFlags\(\)](#): specifies validationcycle has active start stage .

```
public static final long VC_FLAG_MODIF = 2L
```

[ValidationCycle#getFlags\(\)](#): specifies validationcycle has active modification stage .

```
public static final long VC_FLAG_AVIZ = 4L
```

[ValidationCycle#getFlags\(\)](#): specifies validationcycle has active avization stage .

```
public static final long VC_FLAG_VALID = 8L
```

[ValidationCycle#getFlags\(\)](#): specifies validationcycle has active validation stage .

```
public static final long VC_FLAG_PUBLIC = 16L
```

[ValidationCycle#getFlags\(\)](#): specifies validationcycle has active publication stage .

```
public static final long VC_FLAG_GED = 32L
```

[ValidationCycle#getFlags\(\)](#): specifies validationcycle has active ged (read) stage .

```
public static final long VC_FLAG_BROADCAST = 65536L
```

[ValidationCycle#getFlags\(\)](#): specifies validationcycle broadcast mode

```
public static final long PACKAGE_ALL = 4294979615L
```

ID	LABEL	DESCRIPTION	DATE_C	DATE_M	OWNER_ID	FLAGS

```
public static final long SECURITY_PROFILE_FOR_WORKSPACE = 1L
```

[SecurityProfile#getFlags\(\)](#): SecurityProfile for workspace (workspace securityprofile).

```
public static final long OPINION_SET_BY_SUPERVISOR = 1L
```

This flag indicates that the value of the 'opinion' type attribute has been set by a supervisor.

```
public static final long TYPE_LOCALIZED = 1L
```

This flag indicates that the given type is localized.

```
public static final long TYPE_INDEXED = 2L
```

This flag indicates that the given type is indexed (grids only).

```
public static final long TYPE_RESTRICT_DUPLICATES = 4L
```

This flag indicates that the given type do not allow any duplicate values

```
public static final long ENABLE_TRANSLATIONS = 1L
```

This flag indicates that the given object(mail template, document template, composition rules) is

localized.

```
public static final long MAIL_TEMPLATE_TYPE_MASK = 14L
```

[MailTemplate#getFlags\(\)](#): 3-bit mask for the mail template type (bits 1 and 2 and 3)

```
public static final long MAIL_TEMPLATE_FOR_PROCESS = 2L
```

[MailTemplate#getFlags\(\)](#): Mail template type 2 (1 << 1), mail template for process

```
public static final long MAIL_TEMPLATE_FOR_VCYCLE = 4L
```

[MailTemplate#getFlags\(\)](#): Mail template type 4 (2 << 1), mail template for validation cycle

```
public static final long MAIL_TEMPLATE_FOR_GENERAL_PURPOSE = 8L
```

[MailTemplate#getFlags\(\)](#): Mail template type 8 (3 << 1), mail template for general purpose

```
public static final long ENABLE_HTML = 16L
```

This flag indicates that the given object(mail template) has the body content in html format.

```
public static final long PROCESS_TESTING_DEFINITION_ALL = 2097151L
```

```
ID | LABEL | DESCRIPTION | DATE_C | DATE_M | OWNER_ID | FLAGS |
FILE_ID | PROCESS_TESTING_CREATED_BY |
PROCESS_TESTING_CREATED_BY_LABEL | PROCESS_TESTING_CREATED_BY_REALNAME
| PROCESS_TESTING_MODIFIED_BY | PROCESS_TESTING_MODIFIED_BY_LABEL |
PROCESS_TESTING_MODIFIED_BY_REALNAME |
PROCESS_TESTING_PROCESS_DEFINITION_ID |
PROCESS_TESTING_DEFINITION_TOTAL_RUNS |
PROCESS_TESTING_DEFINITION_SUCCESS_RUNS |
PROCESS_TESTING_DEFINITION_FAIL_RUNS |
PROCESS_TESTING_DEFINITION_LAST_SUCCESS |
PROCESS_TESTING_DEFINITION_LAST_FAIL |
PROCESS_TESTING_DEFINITION_LAST_DURATION
```

```
public static final long PROCESS_TESTING_INSTANCE_ALL = 534806527L
```

```
ID | LABEL | DESCRIPTION | DATE_C | DATE_M | OWNER_ID | FLAGS |
FILE_ID | PROCESS_TESTING_CREATED_BY |
PROCESS_TESTING_CREATED_BY_LABEL | PROCESS_TESTING_CREATED_BY_REALNAME
| PROCESS_TESTING_MODIFIED_BY | PROCESS_TESTING_MODIFIED_BY_LABEL |
PROCESS_TESTING_MODIFIED_BY_REALNAME |
PROCESS_TESTING_PROCESS_DEFINITION_ID |
PROCESS_TESTING_INSTANCE_STARTED_BY_ID |
PROCESS_TESTING_INSTANCE_STARTED_BY_LABEL |
PROCESS_TESTING_INSTANCE_STARTED_BY_REALNAME |
```

```
PROCESS_TESTING_INSTANCE_STARTED_AT |  
PROCESS_TESTING_INSTANCE_FINISHED_BY_ID |  
PROCESS_TESTING_INSTANCE_FINISHED_BY_LABEL |  
PROCESS_TESTING_INSTANCE_FINISHED_BY_REALNAME |  
PROCESS_TESTING_INSTANCE_FINISHED_AT
```

PREFIX

```
public class Prefix
```

The Prefix class provides support for object identification; it contains all prefixes used for object IDs.

Field summary :

Modifier and type	Field
public static final java.lang.String	<u>FILE</u>
public static final java.lang.String	<u>USER</u>
public static final java.lang.String	<u>USER_DELEGATION</u>
public static final java.lang.String	<u>ROLE_DELEGATION</u>
public static final java.lang.String	<u>USER_PROFILE</u>
public static final java.lang.String	<u>GROUP</u>
public static final java.lang.String	<u>ROLE</u>
public static final java.lang.String	<u>MANAGER</u>
public static final java.lang.String	<u>GROUP_USER</u>
public static final java.lang.String	<u>USER_ROLE</u>
public static final java.lang.String	<u>GROUP_ROLE</u>
public static final java.lang.String	<u>MANAGER_USER</u>
public static final java.lang.String	<u>FORM_DISPLAY_PROFILE</u>
public static final java.lang.String	<u>DATABASE</u>
public static final	<u>GROUP_DATABASE</u>

<code>java.lang.String</code>	
<code>public static final java.lang.String</code>	<u>USER_DATABASE</u>
<code>public static final java.lang.String</code>	<u>ROLE_DATABASE</u>
<code>public static final java.lang.String</code>	<u>STORAGE_AREA</u>
<code>public static final java.lang.String</code>	<u>DATABASE_STORAGE_RULE</u>
<code>public static final java.lang.String</code>	<u>GROUP_PORTAL</u>
<code>public static final java.lang.String</code>	<u>USER_PORTAL</u>
<code>public static final java.lang.String</code>	<u>ROLE_PORTAL</u>
<code>public static final java.lang.String</code>	<u>PLANNER</u>
<code>public static final java.lang.String</code>	<u>PLANNER_DAY</u>
<code>public static final java.lang.String</code>	<u>RESOURCE</u>
<code>public static final java.lang.String</code>	<u>SCRIPT</u>
<code>public static final java.lang.String</code>	<u>SECURITY_PROFILE</u>
<code>public static final java.lang.String</code>	<u>MAIL_TEMPLATE</u>
<code>public static final java.lang.String</code>	<u>DOCUMENT_TEMPLATE</u>
<code>public static final java.lang.String</code>	<u>FOLDER_PROFILE</u>
<code>public static final java.lang.String</code>	<u>COMPOSITION_RULE</u>
<code>public static final java.lang.String</code>	<u>SEARCH_TEMPLATE</u>
<code>public static final java.lang.String</code>	<u>USER_SEARCHTEMPLATE</u>

public static final java.lang.String	<u>GROUP_SEARCHTEMPLATE</u>
public static final java.lang.String	<u>ROLE_SEARCHTEMPLATE</u>
public static final java.lang.String	<u>ASYNC_JOB</u>
public static final java.lang.String	<u>EXTENDED_PROPERTY</u>
public static final java.lang.String	<u>OBJECT_EXTENDED_PROPERTY</u>
public static final java.lang.String	<u>CERTIFICATE</u>
public static final java.lang.String	<u>TYPE</u>
public static final java.lang.String	<u>GRID</u>
public static final java.lang.String	<u>ATTRIBUTE</u>
public static final java.lang.String	<u>FORM</u>
public static final java.lang.String	<u>FORM_ATTRIBUTE</u>
public static final java.lang.String	<u>VIEW</u>
public static final java.lang.String	<u>VIEW_ELEMENT</u>
public static final java.lang.String	<u>GROUP_VIEW</u>
public static final java.lang.String	<u>USER_VIEW</u>
public static final java.lang.String	<u>ROLE_VIEW</u>
public static final java.lang.String	<u>PROCESS_DEF</u>
public static final java.lang.String	<u>SCRIPT2</u>
public static final	<u>SCRIPT2_VERSION</u>

<code>java.lang.String</code>	
<code>public static final java.lang.String</code>	<u>COMPOSITION_RULE_VERSION</u>
<code>public static final java.lang.String</code>	<u>FORM_VERSION</u>
<code>public static final java.lang.String</code>	<u>PROCESS_DEF_VERSION</u>
<code>public static final java.lang.String</code>	<u>IS_JOB_VERSION</u>
<code>public static final java.lang.String</code>	<u>MODEL_OCR_VERSION</u>
<code>public static final java.lang.String</code>	<u>VIEW_VERSION</u>
<code>public static final java.lang.String</code>	<u>VIEW_ELEMENT_VERSION</u>
<code>public static final java.lang.String</code>	<u>IS_JOB</u>
<code>public static final java.lang.String</code>	<u>MODEL_OCR</u>
<code>public static final java.lang.String</code>	<u>GROUP_ISJOB</u>
<code>public static final java.lang.String</code>	<u>ROLE_ISJOB</u>
<code>public static final java.lang.String</code>	<u>USER_ISJOB</u>
<code>public static final java.lang.String</code>	<u>CLASS_ELEMENT</u>
<code>public static final java.lang.String</code>	<u>PROCESS</u>
<code>public static final java.lang.String</code>	<u>TASK</u>
<code>public static final java.lang.String</code>	<u>FOLDER</u>
<code>public static final java.lang.String</code>	<u>FOLDER_VALIDATIONCYCLE</u>
<code>public static final java.lang.String</code>	<u>FOLDER_MYDOCS</u>

public static final java.lang.String	<u>FOLDER_WORKSPACE</u>
public static final java.lang.String	<u>FOLDER_IN_WORKSPACE</u>
public static final java.lang.String	<u>PIN_DOCF</u>
public static final java.lang.String	<u>PIN_DOCP</u>
public static final java.lang.String	<u>PIN_DOCW</u>
public static final java.lang.String	<u>FILE_DOCF</u>
public static final java.lang.String	<u>FILE_DOCP</u>
public static final java.lang.String	<u>FICHE_DOCF</u>
public static final java.lang.String	<u>FICHE_DOCD</u>
public static final java.lang.String	<u>FICHE_DOCV</u>
public static final java.lang.String	<u>FICHE_DOCW</u>
public static final java.lang.String	<u>FILE_DOCD</u>
public static final java.lang.String	<u>FILE_DOCV</u>
public static final java.lang.String	<u>FILE_DOCW</u>
public static final java.lang.String	<u>FICHE_DOCP</u>
public static final java.lang.String	<u>REF_DOCF</u>
public static final java.lang.String	<u>REF_DOCP</u>
public static final java.lang.String	<u>REF_FICHEF</u>
public static final	<u>REF_FICHEP</u>

java.lang.String	
public static final java.lang.String	<u>FOLDER_NOTE</u>
public static final java.lang.String	<u>PROCESS_NOTE</u>
public static final java.lang.String	<u>DOC_NOTE_BASE</u>
public static final java.lang.String	<u>FICHEF_NOTE</u>
public static final java.lang.String	<u>DOCP_NOTE</u>
public static final java.lang.String	<u>FICHEP_NOTE</u>
public static final java.lang.String	<u>DOCF_VERSION</u>
public static final java.lang.String	<u>DOCP_VERSION</u>
public static final java.lang.String	<u>TASK_DEF</u>
public static final java.lang.String	<u>START_DEF</u>
public static final java.lang.String	<u>TASK_GROUP_DEF</u>
public static final java.lang.String	<u>DELEGATION</u>
public static final java.lang.String	<u>ARCHIVE_FOLDER</u>
public static final java.lang.String	<u>ARCHIVE_PIN</u>
public static final java.lang.String	<u>ARCHIVE_FILE</u>
public static final java.lang.String	<u>INTERVENTION_REPORT</u>
public static final java.lang.String	<u>SERVER_REPORT</u>
public static final java.lang.String	<u>FOLDER_COMMENT</u>

public static final java.lang.String	<u>FOLDER_COMMENT_ARCH</u>
public static final java.lang.String	<u>DOCF_COMMENT</u>
public static final java.lang.String	<u>DOCF_COMMENT_ARCH</u>
public static final java.lang.String	<u>PROCESS_COMMENT</u>
public static final java.lang.String	<u>DOCP_COMMENT</u>
public static final java.lang.String	<u>VALIDCYCLE_TEMPLATE</u>
public static final java.lang.String	<u>VALIDCYCLE</u>
public static final java.lang.String	<u>VALIDCYCLE_STAGE_TEMPLATE</u>
public static final java.lang.String	<u>VALIDCYCLE_STAGE</u>
public static final java.lang.String	<u>VALIDCYCLE_STAGE_DATA_TEMPLATE</u>
public static final java.lang.String	<u>VALIDCYCLE_STAGE_DATA</u>
public static final java.lang.String	<u>VALIDCYCLE_STAGE_TEMPLATE_NOTIFICATION</u>
public static final java.lang.String	<u>VALIDCYCLE_STAGE_NOTIFICATION</u>
public static final java.lang.String	<u>EXPIRABLE_DOWNLOAD_LINK</u>
public static final java.lang.String	<u>NOTIFICATION_DEFINITION</u>
public static final java.lang.String	<u>NOTIFICATION</u>
public static final java.lang.String	<u>FAVORITE</u>
public static final java.lang.String	<u>OBJECT_LINK</u>
public static final	<u>PACKAGE</u>

java.lang.String	
public static final java.lang.String	JUKE
public static final java.lang.String	POSITION
public static final java.lang.String	PROCESS_TESTING_DEFINITION
public static final java.lang.String	PROCESS_TESTING_INSTANCE
public static final java.lang.String	PROCESS_TESTING_MESSAGE
public static final java.lang.String	PROCESS_TESTING_BATCH
public static final java.lang.String	PROCESS_TESTING_DEFINITION_BATCH

Field detail :

```
public static final String FILE = "FILE"
```

File id prefix.

Id structure is

FILEDDDDXXXXXXXXXXXXXXXXAAAAAABBBBBBBBCCCCCCCC

where

- DDDD is the hexadecimal representation of the database numeric id,
- XXXXXXXX is the hexadecimal representation of the storage area numeric id,
- AAAAAAAA the most significant id-generator counter hexadecimal value,
- BBBBBBBB the mid significant id-generator counter hexadecimal value,
- CCCCCCCC the least significant id-generator counter hexadecimal value.

```
public static final String USER = "USER"
```

User object prefix.

Id structure is

USER0000XXXXXXXX0000000000000000000000000000

where XXXXXXXX is the hexadecimal representation of the user numeric id.

```
public static final String USER_DELEGATION = "DLGT"
```

User delegation object prefix.

Id structure is

```
DLGT0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the user delegation numeric id.

```
public static final String ROLE_DELEGATION = "DGRO"
```

Role delegation object prefix.

Id structure is

```
DGRO0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the role delegation numeric id.

```
public static final String USER_PROFILE = "USPR"
```

User profile object prefix.

Id structure is

```
USPR0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the user profile numeric id.

```
public static final String GROUP = "GROU"
```

Group object prefix.

Id structure is

```
GROU0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the group numeric id.

```
public static final String ROLE = "ROLE"
```

Role object prefix.

Id structure is

```
USER0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the role numeric id.

```
public static final String MANAGER = "MGRR"
```

Manager object prefix.

Id structure is

```
MGRR0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the manager role numeric id.

```
public static final String GROUP_USER = "ASGU"
```

User-to-group assignment object prefix.

Id structure is

```
ASGU0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the group numeric id and YYYYYYYY is the hexadecimal representation of the user numeric id.

```
public static final String USER_ROLE = "ASUR"
```

Role-to-user assignment object prefix.

Id structure is

```
ASUR0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the user numeric id and YYYYYYYY is the hexadecimal representation of the role numeric id.

```
public static final String GROUP_ROLE = "ASGR"
```

Role-to-group assignment object prefix.

Id structure is

```
ASRU0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the group numeric id and YYYYYYYY is the hexadecimal representation of the role numeric id.

```
public static final String MANAGER_USER = "ASMU"
```

User-to-manager role assignment object prefix.

Id structure is

```
ASMU0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the manager role numeric id and YYYYYYYY is the hexadecimal representation of the user numeric id.

```
public static final String FORM_DISPLAY_PROFILE = "ASFP"
```

Form-to-display profile assignment object prefix.

Id structure is:

```
ASUDDDDXXXXXXXXYYYYYYYY0000000000000000
```

,

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the form id, YYYYYYYY is the hexadecimal representation of the display profile id

```
public static final String DATABASE = "DATA"
```

Database object prefix.

Id structure is

DATADDDD000000000000000000000000000000

where DDDD is the hexadecimal representation of the database numeric id.

```
public static final String GROUP_DATABASE = "ASGD"
```

Group-to-database assignment object prefix.

Id structure is

```
ASGDDDDDDXXXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the group numeric id and DDDD is the hexadecimal representation of the database numeric id.

```
public static final String USER DATABASE = "ASUD"
```

User-to-database assignment object prefix.

Id structure is

ASUDDDDX0000000000000000000000

where XXXXXXXX is the hexadecimal representation of the user numeric id and DDDD is the hexadecimal representation of the database numeric id.

```
public static final String ROLE_DATABASE = "ASRD"
```

Role-to-database assignment object prefix.

Id structure is

```
ASRDDDDDXXXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the role numeric id and DDDD is the hexadecimal representation of the database numeric id.

```
public static final String STORAGE AREA = "AREA"
```

Storage area object prefix.

Id structure is

```
AREA0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the storage area numeric id.

```
public static final String DATABASE_STORAGE_RULE = "RULE"
```

Storage rule object prefix.

Id structure is

```
RULE0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the storage rule numeric id.

```
public static final String GROUP_PORTAL = "ASGP"
```

Group-to-portal assignment object prefix.

Id structure is

```
ASGP0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the group numeric id and YYYYYYYY is the hexadecimal representation of the portal numeric id.

```
public static final String USER_PORTAL = "ASUP"
```

User-to-portal assignment object prefix.

Id structure is

```
ASUP0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the user numeric id and YYYYYYYY is the hexadecimal representation of the portal numeric id.

```
public static final String ROLE_PORTAL = "ASRP"
```

Role-to-portal assignment object prefix.

Id structure is

```
ASRP0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the role numeric id and YYYYYYYY is the hexadecimal representation of the portal numeric id.

```
public static final String PLANNER = "PLAN"
```

Planner object prefix.

Id structure is

```
PLAN0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the planner numeric id.

```
public static final String PLANNER_DAY = "PLND"
```

Planner day object prefix.

Id structure is

```
PLND0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the planner numeric id and YYYYYYYY is the 00YYYYMMDD representation of the day.

```
public static final String RESOURCE = "RSRC"
```

Resource object prefix.

Id structure is

```
RSRC0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the resource numeric id.

```
public static final String SCRIPT = "SCPT"
```

Script object prefix.

Id structure is

```
SCPT0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the script numeric id.

```
public static final String SECURITY_PROFILE = "SECP"
```

Security profile object prefix.

Id structure is

```
SECPDDDDXXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the security profile numeric id and DDDD is the database numeric id.

```
public static final String MAIL_TEMPLATE = "MTPL"
```

Mail template object prefix.

Id structure is

```
MTPLDDDDXXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the mail template numeric id and DDDD is the database numeric id.

```
public static final String DOCUMENT_TEMPLATE = "DTPL"
```

Document template object prefix.

Id structure is

```
DTPLDDDDXXXXXXXXX000000000000000000000000
```

where XXXXXXXXX is the hexadecimal representation of the document template numeric id and DDDD is the database numeric id.

```
public static final String FOLDER_PROFILE = "FLPR"
```

Folder profile object prefix.

Id structure is

```
FLPRDDDDXXXXXXXXX000000000000000000000000
```

where XXXXXXXXX is the hexadecimal representation of the folder profile numeric id and DDDD is the database numeric id.

```
public static final String COMPOSITION_RULE = "CPRU"
```

Composition rule object prefix.

Id structure is

```
CPRUDDDDXXXXXXXXX000000000000000000000000
```

where XXXXXXXXX is the hexadecimal representation of the composition rule numeric id and DDDD is the database numeric id.

```
public static final String SEARCH_TEMPLATE = "SRCH"
```

Search template object prefix.

Id structure is

```
SRCHDDDDXXXXXXXXX000000000000000000000000
```

where XXXXXXXXX is the hexadecimal representation of the search template numeric id and DDDD is the database numeric id.

```
public static final String USER_SEARCHTEMPLATE = "ASUT"
```

Searchtemplate-to-user assignment object prefix.

Id structure is

```
ASUT0000XXXXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXXX is the hexadecimal representation of the user numeric id and YYYYYYYY is the hexadecimal representation of the Searchtemplate numeric id.

```
public static final String GROUP_SEARCHTEMPLATE = "ASGT"
```

Searchtemplate-to-group assignment object prefix.

Id structure is

```
ASGT0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the group numeric id and YYYYYYYY is the hexadecimal representation of the Searchtemplate numeric id.

```
public static final String ROLE_SEARCHTEMPLATE = "ASRT"
```

Searchtemplate-to-role assignment object prefix.

Id structure is

```
ASRT0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of the role numeric id and YYYYYYYY is the hexadecimal representation of the Searchtemplate numeric id.

```
public static final String ASYNC_JOB = "JASY"
```

Asynchronous job object prefix.

Id structure is

```
JASY0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the asynchronous job numeric id.

```
public static final String EXTENDED_PROPERTY = "EXPR"
```

Extended property object prefix.

Id structure is

```
EXPR0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the extended property id.

```
public static final String OBJECT_EXTENDED_PROPERTY = "ASOP"
```

Object to extended property assignment prefix.

Id structure is

```
ASOP0000XXXXXXXXYYYYYYYY0000000000000000
```

where XXXXXXXX is the hexadecimal representation of extended property id and YYYYYYYY is the hexadecimal representation of the object numeric id.

```
public static final String CERTIFICATE = "CERT"
```

'Certificate' object prefix.

Id structure is

```
CERT0000 XXXXXXXX 00000000 00000000 00000000
```

where XXXXXXXX is the hexadecimal representation of certificate id

```
public static final String TYPE = "DFTY"
```

Type (list) object prefix.

Id structure is

```
DFTYDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id and XXXXXXXX is the hexadecimal representation of the type numeric id.

```
public static final String GRID = "GRID"
```

Grid object prefix.

Id structure is

```
GRIDDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id and XXXXXXXX is the hexadecimal representation of the type numeric id.

```
public static final String ATTRIBUTE = "DFAT"
```

Attribute object prefix.

Id structure is

```
DFATDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id and XXXXXXXX is the hexadecimal representation of the attribute numeric id.

```
public static final String FORM = "DFFR"
```

Form object prefix.

Id structure is

```
DFFRDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id and XXXXXXXX is the hexadecimal representation of the form numeric id.

```
public static final String FORM_ATTRIBUTE = "ASFA"
```

Attribute-to-form assignment object prefix.

Id structure is

```
ASGVDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the form numeric id and YYYYYYYY is the hexadecimal representation of the attribute numeric id.

```
public static final String VIEW = "DFVW"
```

View object prefix.

Id structure is

```
DFVWDDDDXXXXXXXXXXXX0000000000000000000000
```

where DDDD is the database numeric id and XXXXXXXX is the hexadecimal representation of the view numeric id.

```
public static final String VIEW_ELEMENT = "DFVE"
```

View element object prefix.

Id structure is

```
DFVEDDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the view numeric id and YYYYYYYY is the hexadecimal representation of the view element numeric id

```
public static final String GROUP_VIEW = "ASGV"
```

Group-to-view assignment object prefix.

Id structure is

```
ASGVDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the group numeric id and YYYYYYYY is the hexadecimal representation of the view numeric id.

```
public static final String USER_VIEW = "ASUV"
```

User-to-view assignment object prefix.

Id structure is

```
ASUVDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the

hexadecimal representation of the user numeric id and YYYYYYYY is the hexadecimal representation of the view numeric id.

```
public static final String ROLE_VIEW = "ASRV"
```

Role-to-view assignment object prefix.

Id structure is

```
ASRVDDDDXXXXXXXXXXXXYYYYYYY0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the role numeric id and YYYYYYYY is the hexadecimal representation of the view numeric id.

```
public static final String PROCESS_DEF = "DFPR"
```

Process definition object prefix.

Id structure is

```
DFPRDDDDXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id and XXXXXXXX is the hexadecimal representation of the process definition numeric id.

```
public static final String SCRIPT2 = "SCPD"
```

Design script object prefix.

Id structure is

```
SCPDDDDXXXXXXXX000000000000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the script numeric id.

```
public static final String SCRIPT2_VERSION = "VDSC"
```

version of Design script object prefix.

Id structure is

```
VDSCDDDDXXXXXXXXXXXXYYYYYYY0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the script numeric id. YYYYYYYY is the hexadecimal representation of the script version numeric id.

```
public static final String COMPOSITION_RULE_VERSION = "VDCR"
```

version of Design composition rule object prefix.

Id structure is

```
VDCRDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the composition rule numeric id. YYYYYYYY is the hexadecimal representation of the composition rule version numeric id.

```
public static final String FORM_VERSION = "VDFR"
```

version of Design form object prefix.

Id structure is

```
VDFRDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the form numeric id. YYYYYYYY is the hexadecimal representation of the form version numeric id.

```
public static final String PROCESS_DEF_VERSION = "VDPR"
```

version of Design process definition object prefix.

Id structure is

```
VDPRDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the process definition numeric id. YYYYYYYY is the hexadecimal representation of the process definition version numeric id.

```
public static final String IS_JOB_VERSION = "VDIS"
```

version of Design isjob object prefix.

Id structure is

```
VDISDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the isjob numeric id. YYYYYYYY is the hexadecimal representation of the isjob version numeric id.

```
public static final String MODEL_OCR_VERSION = "VDMO"
```

version of Design modelocr object prefix.

Id structure is

```
VDMODDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the

hexadecimal representation of the modelocr numeric id. YYYYYYYY is the hexadecimal representation of the modelocr version numeric id.

```
public static final String VIEW_VERSION = "VDVW"
```

Version of View object prefix.

Id structure is

```
VDVWDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the database numeric id , XXXXXXXX is the hexadecimal representation of the view numeric id. YYYYYYYY is the hexadecimal representation of the view version numeric id.

```
public static final String VIEW_ELEMENT_VERSION = "VDVE"
```

Version of View element object prefix.

Id structure is

```
VDVEDDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the view version numeric id, YYYYYYYY is the hexadecimal representation of the view version element numeric id

```
public static final String IS_JOB = "ISJB"
```

IntelliScan job object prefix.

Id structure is

```
ISJBDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id and XXXXXXXX is the hexadecimal representation of the job numeric id.

```
public static final String MODEL_OCR = "MOCR"
```

ModelOCR object prefix.

Id structure is

```
MOCRDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id and XXXXXXXX is the hexadecimal representation of the modelocr numeric id.

```
public static final String GROUP_ISJOB = "ASGI"
```

Group-to-IsJob assignment object prefix.

Id structure is

```
ASGIDDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the group numeric id and YYYYYYYY is the hexadecimal representation of the IsJob numeric id.

```
public static final String ROLE_ISJOB = "ASRI"
```

Role-to-view assignment object prefix.

Id structure is

```
ASRIDDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the role numeric id and YYYYYYYY is the hexadecimal representation of the IsJob numeric id.

```
public static final String USER_ISJOB = "ASUI"
```

User-to-IsJob assignment object prefix.

Id structure is

```
ASUIDDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the hexadecimal representation of the database numeric id, XXXXXXXX is the hexadecimal representation of the user numeric id and YYYYYYYY is the hexadecimal representation of the IsJob numeric id.

```
public static final String CLASS_ELEMENT = "CELM"
```

Classification element object prefix.

Id structure is

```
CELMDDDDXXXXXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the view numeric id, YYYYYYYY is the hexadecimal representation of the view element numeric id, ZZZZZZZZ is the hexadecimal representation of the class element numeric id.

```
public static final String PROCESS = "PROC"
```

Process object prefix.

Id structure is

```
PROCDDDDXXXXXXXXX0000000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id.

```
public static final String TASK = "TASK"
```

Task object prefix.

Id structure is

```
TASKDDDDXXXXXXXXXXXXXXXXXXXX0000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id. YYYYYYYY is the hexadecimal representation of the task numeric id.

```
public static final String FOLDER = "FLDR"
```

Folder object prefix.

Id structure is

```
FLDRDDDDXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id. Numeric '0' means database root folder.

```
public static final String FOLDER_VALIDATIONCYCLE = "FLVC"
```

Validation Cycle (Virtual) Folder prefix.

Id structure is

```
FLVCDDDDXXXXXXXXXXXXXXXXXXXXZZZZZZZZWWWWWWW
```

where

DDDD is the database numeric id,

XXXXXXXX is the hexadecimal representation of the folder .

YYYYYYY is the hexadecimal representation of the document stage,

ZZZZZZZZ is the hexadecimal representation of the document stage status (normal , delayed, expired - see Constants),

WWWWWWW is the hexadecimal representation of the actor (i as executor, i as manager ,i as owner of validation cycle - see Constants).

```
public static final String FOLDER_MYDOCS = "FLMY"
```

My documents (Virtual) Folder prefix.

Id structure is

```
FLMYDDDDXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id. Numeric '0' means 'my documents' folder.

```
public static final String FOLDER_WORKSPACE = "FLWS"
```

Workspace (the Root) Folder prefix.

Id structure is

```
FLWSDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXXX is the hexadecimal representation of the folder numeric id. Numeric '0' means 'workspace' folder.

```
public static final String FOLDER_IN_WORKSPACE = "FLWR"
```

Workspace (not Root) Folder prefix.

Id structure is

```
FLWRDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXXX is the hexadecimal representation of the folder numeric id. Numeric '0' means 'workspace' folder.

```
public static final String PIN_DOCF = "PINF"
```

Pin contained in folder object prefix.

Id structure is

```
PINFDDDDXXXXXXXXXYYYYYYYYY0000000000000000
```

where DDDD is the database numeric id, XXXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id.

```
public static final String PIN_DOCP = "PINP"
```

Pin contained in process object prefix.

Id structure is

```
PINPDDDDXXXXXXXXXYYYYYYYYY0000000000000000
```

where DDDD is the database numeric id, XXXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id.

```
public static final String PIN_DOCW = "PINW"
```

Pin contained in a workspace

Id structure is

```
PINWDDDDXXXXXXXXXYYYYYYYYY0000000000000000
```

where DDDD is the database numeric id, XXXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id.

```
public static final String FILE_DOCF = "DOCF"
```

File document contained in folder object prefix.

Id structure is

```
DOCFDDDDXXXXXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String FILE_DOCP = "DOCP"
```

File document contained in process object prefix.

Id structure is

```
DOCPDDDDXXXXXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String FICHE_DOCF = "FCHF"
```

File-less document (index fiche) contained in folder object prefix.

Id structure is

```
FCHFDDDDXXXXXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String FICHE_DOCD = "FCHD"
```

File-less document (index fiche) contained in distribution list (modified copy of original) /.

Id structure is

```
FCHDDDDXXXXXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String FICHE_DOCV = "FCHV"
```

File-less document (index fiche) contained in Validation Cycle /.

Id structure is

```
FCHVDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String FICHE_DOCW = "FCHW"
```

File-less document (index fiche) document contained in a workspace /.

Id structure is

```
FCHWDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String FILE_DOCD = "DOCD"
```

File document contained in distribution list /.

Id structure is

```
DOCDDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String FILE_DOCV = "DOCV"
```

File document contained in validation cycle /.

Id structure is

```
DOCVDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String FILE_DOCW = "DOCW"
```

File document contained in a workspace /.

Id structure is

```
DOCWDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means

document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String FICHE_DOCP = "FCHP"
```

File document contained in workspace /.

Id structure is

```
DOCVDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String REF_DOCF = "RFDF"
```

Folder contained reference to a file document object prefix.

Id structure is

```
RFDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the reference document numeric id.

```
public static final String REF_DOCP = "RFDP"
```

Process contained reference to a file document object prefix.

Id structure is

```
RFDPDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the reference document numeric id.

```
public static final String REF_FICHEF = "RFFF"
```

Folder contained reference to a file-less (index fiche) document object prefix.

Id structure is

```
RFFFDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the reference document numeric id.

```
public static final String REF_FICHEP = "RFFP"
```

Process contained reference to a file-less (index fiche) document object prefix.

Id structure is

```
RFFPDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the reference document numeric id.

```
public static final String FOLDER_NOTE = "NTFL"
```

Folder note object prefix.

Id structure is

```
NTFLDDDDXXXXXXXX0000000000000000YYYYYYYY
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the note numeric id.

```
public static final String PROCESS_NOTE = "NTPR"
```

Process note object prefix.

Id structure is

```
NTPRDDDDXXXXXXXX0000000000000000YYYYYYYY
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the note numeric id.

```
public static final String DOC_NOTE_BASE = "NTD"
```

Folder contained document note object prefix.

Id structure is

```
NTDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZWWWWWWW
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id, WWWWWWWW is the hexadecimal representation of the note numeric id.

```
public static final String FICHEF_NOTE = "NTFF"
```

Folder contained card (fiche) note object prefix.

Id structure is

```
NTDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZWWWWWWW
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means card (fiche) is not in pin), ZZZZZZZZ is the hexadecimal representation of the card numeric id, WWWWWWWW is the hexadecimal representation of the note numeric id.

```
public static final String DOCP_NOTE = "NTDP"
```

Process contained document note object prefix.

Id structure is

```
NTDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZWWWWWWW
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id, WWWWWWWW is the hexadecimal representation of the note numeric id.

```
public static final String FICHEP_NOTE = "NTFP"
```

Process contained document note object prefix.

Id structure is

```
NTDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZWWWWWWW
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means card (fiche) is not in pin), ZZZZZZZZ is the hexadecimal representation of the card (fiche) numeric id, WWWWWWWW is the hexadecimal representation of the note numeric id.

```
public static final String DOCF_VERSION = "VNDF"
```

Folder contained document version object prefix.

Id structure is

```
VNDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZWWWWWWW
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id, WWWWWWWW is the hexadecimal representation of the version numeric id.

```
public static final String DOCP_VERSION = "VNDP"
```

Process contained document version object prefix.

Id structure is

```
VNDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZWWWWWWW
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id, WWWWWWWW is the hexadecimal representation of the version numeric id.

```
public static final String TASK_DEF = "TKDF"
```

Task definition object prefix.

Id structure is

```
TKDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process definition numeric id, YYYYYYYY is the hexadecimal representation of the process definition version numeric id (0 means working copy/current deployment), and ZZZZZZZZ is the hexadecimal representation of the task definition numeric id.

```
public static final String START_DEF = "STDF"
```

Start point definition object prefix.

Id structure is

```
STDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process definition numeric id, YYYYYYYY is the hexadecimal representation of the process definition version numeric id (0 means working copy/current deployment), and ZZZZZZZZ is the hexadecimal representation of the start point definition numeric id.

```
public static final String TASK_GROUP_DEF = "TGDF"
```

Task group definition object prefix.

Id structure is

```
TGDFDDDDXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process definition numeric id, YYYYYYYY is the hexadecimal representation of the process definition version numeric id (0 means working copy/current deployment), and ZZZZZZZZ is the hexadecimal representation of the task group definition numeric id.

```
public static final String DELEGATION = "DLGN"
```

User object prefix.

Id structure is

```
USER0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the user numeric id.

```
public static final String ARCHIVE_FOLDER = "ARFL"
```

Archive folder object prefix.

Id structure is

```
ARFLDDDDXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id. Numeric '0' means database root folder.

```
public static final String ARCHIVE_PIN = "APIN"
```

Pin contained in folder object prefix.

Id structure is

```
APINDDDXXXXXXXXXXXXYYY0000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id.

```
public static final String ARCHIVE_FILE = "ADOC"
```

File document contained in folder object prefix.

Id structure is

```
ADOCDDDDXXXXXXXXXXXXZZZZZZZZ00000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id.

```
public static final String INTERVENTION_REPORT = "INRE"
```

Intervention report.

Id structure is

```
INRE0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the intervention report numeric id.

```
public static final String SERVER_REPORT = "SVRE"
```

Server report.

Id structure is

```
SVRE0000XXXXXXXX000000000000000000000000
```

where XXXXXXXX is the hexadecimal representation of the server report numeric id.

```
public static final String FOLDER_COMMENT = "CMTF"
```

A folder comment.

```
CMTFDDDDXXXXXXXX0000000000000000CCCCCCCC
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, CCCCCCCC is the hexadecimal representation of the comment numeric id.

```
public static final String FOLDER_COMMENT_ARCH = "ACMF"
```

An archived folder's comment.

```
ACMFDDDDXXXXXXXX0000000000000000CCCCCCCC
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, CCCCCCCC is the hexadecimal representation of the comment numeric id.

```
public static final String DOCF_COMMENT = "CMDF"
```

A document-in-a-folder's comment.

```
CMDFDDDDXXXXXXXXYYYYYYYYZZZZZZZZCCCCCCCC
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id, CCCCCCCC is the hexadecimal representation of the comment numeric id.

```
public static final String DOCF_COMMENT_ARCH = "ACDF"
```

An archived document-in-a-folder's comment.

```
ACDFDDDDXXXXXXXXYYYYYYYYZZZZZZZZCCCCCCCC
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the folder numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id, CCCCCCCC is the hexadecimal representation of the comment numeric id.

```
public static final String PROCESS_COMMENT = "CMTF"
```

A processes comment.

```
CMTFDDDDXXXXXXXX0000000000000000CCCCCCCC
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, CCCCCCCC is the hexadecimal representation of the comment numeric id.

```
public static final String DOCP_COMMENT = "CMDP"
```

A document-in-a-process's comment.

CMDPDDDDXXXXXXXXXXYYYYYYYZZZZZZZCCCCCCCC

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the process numeric id, YYYYYYYY is the hexadecimal representation of the pin numeric id, (numeric 0 means document is not in pin), ZZZZZZZZ is the hexadecimal representation of the document numeric id, CCCCCCCC is the hexadecimal representation of the comment numeric id.

```
public static final String VALIDCYCLE_TEMPLATE = "VCCT"
```

validation cycle template .

Id structure is

VCCTDDDDXXXXXXXXX000000000000000000000000

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the validation cycle template id.

```
public static final String VALIDCYCLE = "VCCR"
```

validation cycle (runtime).

Id structure is

VCCRDDDDXXXXXXXXX000000000000000000000000

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the validation cycle id.

```
public static final String VALIDCYCLE_STAGE_TEMPLATE = "VCST"
```

validation cycle template stage .

Id structure is

VCSTDDDDXXXXXXXXXXYYYYYYY0000000000000000

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the validation cycle template id, YYYYYYYY is the hexadecimal representation of the validation cycle template stage id.

```
public static final String VALIDCYCLE_STAGE = "VCSR"
```

validation cycle stage .

Id structure is

VCSRDDDDXXXXXXXXXXYYYYYYY0000000000000000

```
public static final String VALIDCYCLE_STAGE_DATA_TEMPLATE = "VCDT"
```

Id structure is

```
public static final String VALIDCYCLE_STAGE_DATA = "VCDR"
```

Id structure is

```
public static final String  
VALIDCYCLE_STAGE_TEMPLATE_NOTIFICATION = "VCNT"
```

Id structure is

```
public static final String VALIDCYCLE_STAGE_NOTIFICATION = "VCNR"
```

Id structure is

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the validation

cycle id, YYYYYYYY is the hexadecimal representation of the validation cycle stage id, ZZZZZZZZ is the hexadecimal representation of the event, CCCCCCCC is the hexadecimal representation of the destination type .

```
public static final String EXPIRABLE_DOWNLOAD_LINK = "EXDL"
```

Expirable download link.

Id structure is

```
EXDLDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the expirable download link id.

```
public static final String NOTIFICATION_DEFINITION = "NODF"
```

Notification definition

Id structure is

```
NODFDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the notification definition id.

```
public static final String NOTIFICATION = "NOTF"
```

Notification event

Id structure is

```
NOTFDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the notification event id.

```
public static final String FAVORITE = "FAVO"
```

Favorite

Id structure is

```
FAVODDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the notification id.

```
public static final String OBJECT_LINK = "OLNK"
```

Object link

Id structure is

```
OLNKDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the link id.

```
public static final String PACKAGE = "PKG"
```

Package link

Id structure is

```
PKGDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the package id.

```
public static final String JUKE = "JUKE"
```

Juke link

Id structure is

```
JUKEDDDDDXXXXXXXXX000000000000000000000000
```

where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the jukeid id.

```
public static final String POSITION = "POSN"
```

Position

Id structure is

```
POSN0000PPPPPPPPRRRRRRRRRGGGGGGGGUUUUUUUU
```

where PPPPPPPP is a unique position-sequence generated integer,

RRRRRRRR is the role numeric id, GGGGGGGG is the group numeric id, UUUUUUUU is the user numeric id.

```
public static final String PROCESS_TESTING_DEFINITION = "PTDF"
```

Process testing definition.

Id structure is

```
PTDFDDDDXXXXXXXXXYYYYYYYY0000000000000000
```

where where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the testing definition numeric id, YYYYYYYY is the hexadecimal representation of the process definition numeric id,

```
public static final String PROCESS_TESTING_INSTANCE = "PTIN"
```

Process testing instance.

Id structure is

```
PTINDDDDDXXXXXXXXXXXXXXXXXXXXZZZZZZZZTTTTTTTT
```

where where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the testing instance numeric id, YYYYYYYY is the hexadecimal representation of the testing definition numeric id, ZZZZZZZZ is the hexadecimal representation of the process definition numeric id, TTTTTTTT is the hexadecimal representation of the process numeric id

```
public static final String PROCESS_TESTING_MESSAGE = "PTMS"
```

Process testing message.

Id structure is

```
PTMSDDDDXXXXXXXXXXXXXXXXXXXXZZZZZZZZ00000000
```

where where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the testing message numeric id, YYYYYYYY is the hexadecimal representation of the testing instance numeric id, ZZZZZZZZ is the hexadecimal representation of the process batch id

```
public static final String PROCESS_TESTING_BATCH = "PTBT"
```

Process testing batch.

Id structure is

```
PTBTDDDDXXXXXXXX0000000000000000000000000000
```

where where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the batch message numeric id

```
public static final String PROCESS_TESTING_DEFINITION_BATCH = "ASTB"
```

Role-to-user assignment object prefix.

Id structure is

```
ASTBDDDDXXXXXXXXXXXXXXXXXXXXZZZZZZZZTTTTTTTT
```

, where DDDD is the database numeric id, XXXXXXXX is the hexadecimal representation of the assignment numeric id, YYYYYYYY is the hexadecimal representation of process testing definition id, ZZZZZZZZ is the hexadecimal representation of the process testing batch id, TTTTTTTT is the hexadecimal representation of the process testing instance id

SIATEL_0

```
public abstract class Siatel_0
```

Inheritance root abstract class for all [Identified](#) implementations.

All Superinterfaces :

[Serializable](#) , [Cloneable](#) , [Replicable](#) , [Identified](#)

See also :

[Identified](#) , [Prefix](#) , [IdFormat](#)

Constructor summary :

Constructor
Siatel_0 ()
Siatel_0 (com.siatel.domain.Siatel_0 source)
Siatel_0 (java.lang.String id)

Constructor detail :

```
public Siatel_0 ()
```

Default constructor.

```
public Siatel_0 (Siatel_0 source)
```

Copy constructor.

Parameters :

source - the copy source

```
public Siatel_0 (String id)
```

Id initializer constructor.

Parameters :

id - the object id

SIATEL_1

```
public abstract class Siatel_1
```

All Superinterfaces :

[Labeled](#) , [Owned](#) , [Flagged](#) , [Dated](#)

Author :

stefanu

Constructor summary :

Constructor
Siatel_1 ()
Siatel_1 (java.lang.String id)
Siatel_1 (java.lang.String id, java.lang.String label, java.lang.String ownerId, long flags, java.util.Date dateC, java.util.Date dateM)

Constructor detail :

```
public Siatel_1 ()
```

```
public Siatel_1 (String id)
```

```
public Siatel_1 (String id, String label, String ownerId, long flags, Date dateC, Date dateM)
```

SIATEL_1_1

```
public abstract class Siatel_1_1
```

All Superinterfaces :

[Described](#)

Author :

stefanu

Constructor summary :

Constructor
Siatel_1_1 ()
Siatel_1_1 (java.lang.String id)
Siatel_1_1 (java.lang.String id, java.lang.String label, java.lang.String ownerId, long flags, java.util.Date dateC, java.util.Date dateM, java.lang.String description)

Constructor detail :

```
public Siatel_1_1 ()
```

```
public Siatel_1_1 (String id)
```

```
public Siatel_1_1 (String id, String label, String ownerId, long flags, Date dateC, Date dateM, String description)
```

SIATEL_1_2

```
public abstract class Siatel_1_2
```

All Superinterfaces :

[Deployable](#)

Author :

stefanu

Constructor summary :

Constructor
Siatel_1_2 ()
Siatel_1_2 (java.lang.String id)
Siatel_1_2 (java.lang.String id, java.lang.String label, java.lang.String ownerId, long flags, java.util.Date dateC, java.util.Date dateM, java.lang.String description, boolean deployed)

Constructor detail :

```
public Siatel_1_2 ()
```

```
public Siatel_1_2 (String id)
```

```
public Siatel_1_2 (String id, String label, String ownerId, long flags,
Date dateC, Date dateM, String description, boolean deployed)
```

SIATEL_1_3

```
public abstract class Siatel_1_3
```

All Superinterfaces :

[Realized](#)

Author :

stefanu

Constructor summary :

Constructor
Siatel_1_3 ()
Siatel_1_3 (java.lang.String id)
Siatel_1_3 (java.lang.String id, java.lang.String label, java.lang.String ownerId, long flags, java.util.Date dateC, java.util.Date dateM, java.lang.String description, boolean deployed, java.lang.String fileId)

Constructor detail :

```
public Siatel_1_3 ()
```

```
public Siatel_1_3 (String id)
```

```
public Siatel_1_3 (String id, String label, String ownerId, long flags,
Date dateC, Date dateM, String description, boolean deployed, String
fileId)
```

SIATEL_1_4

```
public abstract class Siatel_1_4
```

All Superinterfaces :

[DeployableEx](#)

Since :

30/11/2007

Author :

Victor Citiriga

Constructor summary :

Constructor
Siatel_1_4 ()
Siatel_1_4 (java.lang.String id)
Siatel_1_4 (java.lang.String id, java.lang.String label, java.lang.String ownerId, long flags, java.util.Date dateC, java.util.Date dateM, java.lang.String description, boolean deployed, java.lang.String fileId, java.lang.String deploymentId, long deploymentTimestamp)

Constructor detail :

```
public Siatel_1_4 ()
```

```
public Siatel_1_4 (String id)
```

```
public Siatel_1_4 (String id, String label, String ownerId, long flags,
Date dateC, Date dateM, String description, boolean deployed, String
fileId, String deploymentId, long deploymentTimestamp)
```

SIATEL_2

```
public abstract class Siatel_2
```

New in 7.8: added support for [UUIDEnabled](#). The uuid is not (de)serialized in this class, but by descending classes, since it was later added and descendants' token indexes have evolved differently

All Superinterfaces :

[DatedEx](#) , [Viewable](#) , [Timed](#) , [UUIDEnabled](#)

Author :

victorc

null :

7.8

Constructor summary :

Constructor
Siatel_2 ()
Siatel_2 (java.lang.String id)
Siatel_2 (java.lang.String id, java.lang.String label, java.lang.String ownerId, long flags, java.util.Date dateC, java.util.Date dateM, java.util.Date dateA, java.lang.String formId, java.util.List attributes, int icon, java.util.Date dateS, java.util.Date dateE)

Constructor detail :

<pre>public Siatel_2 ()</pre>
<pre>public Siatel_2 (String id)</pre>
<pre>public Siatel_2 (String id, String label, String ownerId, long flags, Date dateC, Date dateM, Date dateA, String formId, List attributes, int icon, Date dateS, Date dateE)</pre>

SIATEL_3

```
public abstract class Siatel_3
```

All Superinterfaces :

[Lifecycled](#) , [Securable](#) , [Deletable](#)

Author :

stefanu

Constructor summary :

Constructor
Siatel_3 ()
Siatel_3 (java.lang.String id)
Siatel_3 (java.lang.String id, java.lang.String label, java.lang.String ownerId, long flags, java.util.Date dateC, java.util.Date dateM, java.util.Date dateA, java.lang.String formId, java.util.List attributes, int icon, java.lang.String stateId, java.util.Date dateS, java.util.Date dateE, boolean deleted, java.util.Date dateDel, int deletedBy)

Constructor detail :

```
public Siatel_3 ()
```

```
public Siatel_3 (String id)
```

```
public Siatel_3 (String id, String label, String ownerId, long flags,
Date dateC, Date dateM, Date dateA, String formId, List attributes, int
icon, String stateId, Date dateS, Date dateE, boolean deleted, Date
dateDel, int deletedBy)
```

TAG

```
public class Tag
```

Object tags.

Bits 0-63 match to different object tags

Author :

stefanu

Field summary :

Modifier and type	Field
public static final long	TAG_TEXT_1
public static final long	TAG_TEXT_2
public static final long	TAG_TEXT_3
public static final long	TAG_TEXT_4
public static final long	TAG_TEXT_5
public static final long	TAG_BACKGROUND_1
public static final long	TAG_BACKGROUND_2
public static final long	TAG_BACKGROUND_3
public static final long	TAG_BACKGROUND_4
public static final long	TAG_BACKGROUND_5

Field detail :

```
public static final long TAG_TEXT_1 = 1L
```

Bit 1. Tag #1.

```
public static final long TAG_TEXT_2 = 2L
```

Bit 2. Tag #2.

```
public static final long TAG_TEXT_3 = 4L
```

Bit 3. Tag #3.

```
public static final long TAG_TEXT_4 = 8L
```

Bit 4. Tag #1.

```
public static final long TAG_TEXT_5 = 16L
```

Bit 5. Tag #2.

```
public static final long TAG_BACKGROUND_1 = 4294967296L
```

Bit 32. Tag #1.

```
public static final long TAG_BACKGROUND_2 = 8589934592L
```

Bit 33. Tag #2.

```
public static final long TAG_BACKGROUND_3 = 17179869184L
```

Bit 34. Tag #1.

```
public static final long TAG_BACKGROUND_4 = 34359738368L
```

Bit 35. Tag #2.

```
public static final long TAG_BACKGROUND_5 = 68719476736L
```

Bit 36. Tag #2.

UNIQUECRITERION

```
public class UniqueCriterion
```

This class defines a unique criterion used by view elements design and runtime.

This class consists of:

- 1. the **id of the attribute** on which this criterion is evaluated.
- 2. a **modifier** to apply the attribute values when evaluating.
- 3. the **value** to which this criterion evaluates at view runtime. This member is ignored when managing view elements (view design).

All Superinterfaces :

[Cloneable](#)

Since :

12/07/2006

Author :

vic

See also :

[ViewElement](#) , [View](#)

Constructor summary :

Constructor
UniqueCriterion ()
UniqueCriterion (java.lang.String attrId, int attrModifier)
UniqueCriterion (java.lang.String attrId, int attrModifier, java.lang.Object value)
UniqueCriterion (java.lang.String attrId, int attrModifier, java.lang.Object value, boolean ascending)

Constructor detail :

```
public UniqueCriterion ()
```

No arguments constructor.

```
public UniqueCriterion (String attrId, int attrModifier)
```

Constructor with design time initialization parameters.

Parameters :

`attrId` - the attribute id

`attrModifier` - the attribute modifier

```
public UniqueCriterion (String attrId, int attrModifier, Object value)
```

Constructor with runtime initialization parameters.

Parameters :

`attrId` - the attribute id

`attrModifier` - the attribute modifier

`value` - the criterion evaluation

```
public UniqueCriterion (String attrId, int attrModifier, Object value,  
boolean ascending)
```

Constructor with runtime initialization parameters.

Parameters :

`attrId` - the attribute id

`attrModifier` - the attribute modifier

`value` - the criterion evaluation

`ascending` - the sort order

VALUETOKEN

```
public class ValueToken
```

String tokens used for various purposes.

Since :

12/07/2007

Author :

vic

Constructor summary :

Constructor
ValueToken ()

Constructor detail :

```
public ValueToken ()
```

SHORTCUT AND HELPER FUNCTIONS

Several shortcut functions are available; these are usually wrappers for more complex operations that do type checking and conversions for convenience.

_ID

```
_id(String idOrPrefix, Object maybeDbId, Object maybeN0, Object maybeN1,  
Object maybeN2, Object maybeN3)
```

Creates a full identifier from parts (prefix, database id and numerics). Please refer to specific objects' ID construction schemes; objects can use up to four numeric parts for an identifier.

Only one of them is the actual low-level identifier, while the others may be returned from the various API calls to help in processing and reduce the number of low-level API calls.

JS call:

```
_id(Prefix.FOLDER, 1, 1);
```

Parameters :

`idOrPrefix` - the prefix required to construct a full identifier; anything that can be cast to a

string, usually the corresponding part of another ID or one of the Prefix constants

`maybeDbId` - the database id part of the full identifier; it can be anything that can be cast to a number

`maybeN0` - the first numeric id part of the full identifier; it can be anything that can be cast to a number

`maybeN1` - the second numeric id part of the full identifier; it can be anything that can be cast to a number

`maybeN2` - the third numeric id part of the full identifier; it can be anything that can be cast to a number

`maybeN3` - the fourth numeric id part of the full identifier; it can be anything that can be cast to a number

Returns :

The identifier as a String value.

Throws :

Nothing

Example :

```
function execute() {
    var id = _id(Prefix.FILE_DOCF, 1, 10, 11, 12, 13);
    _info(' id = ' + _s(id));

    var dbId = _dbid(_s(id));
    _info('dbId = ' + dbId.toString());
}
```

Output :

```
> id = DOCF000100000000A0000000B0000000C0000000D
> dbId = DATA0001000000000000000000000000000000000000
```

_DBID

```
_dbid(Object unknown)
```

Creates a full database identifier for a given source; the source can be anything that can be interpreted

to get a database identifier such as another object identifier, a numeric (integer or long) or another object.

JS call:

```
_dbid(someDocument);
```

Parameters :

unknown - the source that will be used to extract the numeric part of the database identifier, then construct a database identifier

Returns :

The database identifier as a String.

Throws :

Nothing

Example :

```
function execute() {
    var id = _id(Prefix.FILE_DOCF, 1, 10, 11, 12, 13);
    _info(' id = ' + _s(id));

    var dbId = _dbid(_s(id));
    _info('dbId = ' + dbId.toString());
}
```

Output :

```
> id = DOCF000100000000A0000000B0000000C0000000D
> dbId = DATA0001000000000000000000000000000000000000
```

_OBJ

```
_obj(Object objectSource)
```

Creates a Gargantua object from the source, which can be a wrapped Java object, an identifier or a key-value store



IMPORTANT : *when creating objects, this helper will not load all properties from the database; for instance, when using an identifier as a parameter, it will create an object of the correct type, then set the identifier, but any other properties will have to be loaded from database; Always use the proper loading method for accessing the object's data.*

JS call:

```
_obj (Object objectSource) ;
```

Parameters :

objectSource - the source info that will be used to create the proper object

Returns :

A Gargantua object.

Throws :

Nothing

_G

```
_g(String function, NativeObject args)
```

Helper to invoke a specific function passing a set of arguments.

JS call:

```
_g(String function, NativeObject args);
```

Parameters :

function - the function to call

args - arguments to pass to the function

Throws :

Nothing

_CACHED

```
_cached(String cacheKey, NativeFunction function, Object arg1, Object  
arg2, Object arg3, Object arg4, Object arg5, Object arg6, Object arg7,  
Object arg8, Object arg9)
```

Caches the given call using the given parameters; if the cached call is executed again, then the cached value is retrieved, allowing for faster response times.

JS call:

```
_cached(cacheKey, function, arg1, arg2, arg3, arg4, arg5, arg6, arg7,
arg8, arg9);
```

Parameters :

cacheKey - the cache key used to identify a call and return the proper result later

function - the function call to cache

arg1 .. arg9 - arguments to pass to the call; optional, depending on the function call

Returns :

The result of the function applied to the given parameters; if the result is caches, then the function call is not execute4d and the cached result is returned.

Throws :

Nothing

_P, _PLUGIN

```
_p(String pluginId, String cmd, NativeObject args)
_plugin(String pluginId, String cmd, NativeObject nullableArgs)
```

Invokes a given command from a specific plugin.

JS call:

```
_dbid(pluginId, cmd, args);
_plugin(pluginId, cmd, args);
```

Parameters :

pluginId - the plugin to invoke; use the short name of the plugin (the part after 'siatel-plugin')

cmd - the command to execute within the plugin

args - the DTO parameters to pass to the command being invoked; these depend on the plugin command specifics

Returns :

The result of the plugin invoke, as a DTO.

Throws :

Nothing

_SLEEP

```
_sleep(Object millis)
```

Sleep for the given interval.

JS call:

```
_sleep (millis) ;
```

Parameters :

`millis` - an object that can be converted to a long representing the number of milliseconds to sleep.

Throws :

Nothing

_LOG

```
_log (String message, String level)
```

Logs the provided message at the givel log level.

JS call:

```
_log (message, level) ;
```

Parameters :

`message` - the message to log

`level` - the log level at which the message must be loggeg; corresponds to the standard Java logging levels (ERROR, WARN, INFO, DEBUG, etc.)

Throws :

Nothing

_DEBUG

```
_debug (String message)
```

Logs the provided message at DEBUG level.

JS call:

```
_debug (message) ;
```

Parameters :

`mesage` - the message to log

Throws :

Nothing

_INFO

```
_info(String message)
```

Logs the provided message at INFO level.

JS call:

```
_info(message);
```

Parameters :

message - the message to log

Throws :

Nothing

_WARN

```
_warn(String message)
```

Logs the provided message at WARN level.

JS call:

```
_warn(message);
```

Parameters :

message - the message to log

Throws :

Nothing

_ERROR

```
_error(String message)
```

Logs the provided message at ERROR level.

JS call:

```
_error(message);
```

Parameters :

message - the message to log

Throws :

Nothing

`_ENTER`

```
_enter(String _app, String _package, String _function, String level)
```

Helper used to log the entry point to a specific call.

JS call:

```
_enter(_app, _package, _function, level);
```

Parameters :

`_app` - the name of the application to which the function belongs

`_package` - the name of the package to which the function belongs

`_function` - the name of the function

`level` - the level at which to log the message

Throws :

Nothing

`_EXIT`

```
_exit(String _app, String _package, String _function, String level)
```

Helper used to log the exit point to a specific call.

JS call:

```
_exit(_app, _package, _function, level);
```

Parameters :

`_app` - the name of the application to which the function belongs

`_package` - the name of the package to which the function belongs

`_function` - the name of the function

`level` - the level at which to log the message

Throws :

Nothing

`_L`

```
_l(Object unknown)
```

Converts the given parameter to a long value, if possible.

JS call:

```
_l(object);
```

Parameters :

unknown - the object to attempt to convert to a long value

Returns :

A long value

Throws :

Nothing

_l

```
_l(Object unknown)
```

Converts the given parameter to an integer value, if possible.

JS call:

```
_i(object);
```

Parameters :

unknown - the object to attempt to convert to a integer value

Returns :

An integer value

Throws :

Nothing

_D

```
_d(Object unknown)
```

Converts the given parameter to a Date value, if possible.

JS call:

```
_d(object);
```

Parameters :

unknown - the object to attempt to convert to a Date value

Returns :

A Date object

Throws :

Nothing

_S

```
_s(Object unknown)
```

Converts the given parameter to a String value, if possible.

JS call:

```
_s(object);
```

Parameters :

unknown - the object to attempt to convert to a String value

Returns :

A String value

Throws :

Nothing

_B

```
_b(Object unknown)
```

Converts the given parameter to a boolean value, if possible.

JS call:

```
_b(object);
```

Parameters :

unknown - the object to attempt to convert to a boolean value

Returns :

A boolean value

Throws :

Nothing

_LIST

```
_list(Object unknown)
```

Converts the given parameter to a List value, if possible.

JS call:

```
_list(object);
```

Parameters :

unknown - the object to attempt to convert to a List value

Returns :

A List object

Throws :

Nothing

_ARRAYLIST

```
_arrayList(Object unknown)
```

Converts the given parameter to an ArrayList value, if possible.

JS call:

```
_arrayList(object);
```

Parameters :

unknown - the object to attempt to convert to an ArrayList value

Returns :

An ArrayList object

Throws :

Nothing

_DTO

```
_dto(Object unknown)
```

Converts the given parameter to a DTO object, if possible.

JS call:

```
_dto(object);
```

Parameters :

unknown - the object to attempt to convert to a DTO structure

Returns :

A DTO structure

Throws :

Nothing

_BOMIFIED

```
_bomified(String text)
```

Adds the UTF-8 BOM marker (0xEF 0xBB 0xBF) to the given string

JS call:

```
_bomified(text);
```

Parameters :

text - the text to add the BOM marker to

Returns :

The original string with the BOM marker

Throws :

Nothing

_DEBOMIFIED

```
_debomified(String text)
```

Removes the UTF-8 BOM marker (0xEF 0xBB 0xBF) from the given string

JS call:

```
_debomified(text);
```

Parameters :

text - the text to remove the BOM marker from

Returns :

The original string without the BOM marker

Throws :

Nothing

_OR

```
_or(NativeArray arrBits)
```

Performs a bitwise or on the given parameters.

JS call:

```
_or(arrBits);
```

Parameters :

`arrBits` - the values for which to perform the bitwise or operation.

Returns :

A long value representing the result of the operation

Throws :

Nothing

_AND

```
_and(NativeArray arrBits)
```

Performs a bitwise and on the given parameters.

JS call:

```
_and(arrBits);
```

Parameters :

`arrBits` - the values for which to perform the bitwise and operation.

Returns :

A long value representing the result of the operation

Throws :

Nothing

_DF

```
_df(Object maybeDate, String format)
```

Formats the given parameter using the provided format string.

JS call:

```
_df(maybeDate, format);
```

Parameters :

`maybeDate` - the `Date` object or an object that can be converted to a `Date`

`format` - the format

Returns :

A `String` value that holds the formatted `Date`.

Throws :

Nothing

`_NOW`

```
_now(Object format)
```

Returns the 'now' moment according to the requested format.

JS call:

```
_now(format) ;
```

Parameters :

`format` - either one of 'millis' or a formatting string; optional.

Returns :

If the format is not specified, the function returns a `Date` object initializes to the current moment.

If the format is 'millis', the function returns a `Long` value for the current moment (equivalent of `System.currentTimeMillis()`).

If the format a string value, the function tries to format the current moment using the provided format.

Throws :

Nothing

SPECIAL FUNCTIONS

MISC.SIGNREQUEST

The `signRequest` function will schedule or start a new sign envelope using the input data.

When starting a new sign envelope, two possibilities are available :

1. Start a new sign envelope by providing all data required for the signing process
2. Start a new sign envelope by using a previously saved template and providing only the specific data

that is either not present or not yet defined in the template.



Starting a new sign envelope by using an existing template is easier and faster, since not all required data must be provided from the script.

SIGN ENVELOPE

A sign envelope has several blocks of data, named stages :

1. start stage : provides general information about the sign envelope and start conditions
2. sign stage : provides all required information about the signatories
3. publish stage : provides information about final processing when saving back to the EDM database
4. broadcast stage : provides information about the recipients for the document broadcast

When triggering a new sign envelope by scripting, a JSON object (currently referred to as cycleData) is used. Please refer to the following sections for a description of this object.

THE CYCLEDATA OBJECT

The cycle data object has the following object keys :

template

The name or the identifier of a sign envelope template

manager

The name or the identifier of the manager of this sign envelope; by default, unless otherwise specified, this manager is also the manager for all the stages of the signing envelope.

owner

The name or the identifier of the owner of this sign envelope.

overwrite

Boolean flag to define whether the data from the template is to be merged or overwritten; please see the [Merge or overwrite sign envelope data](#) section for more detailed information on this behavior

lockDocument

Boolean flag to define whether the document(s) are to be locked while the signing envelope is active

publicUsers

Boolean flag to define whether all users may access the sign envelope history; by default, only the manager may view the history data.

docValidity

The document validity once the sign envelope is finished (all signing parties have finished signing); must be used exclusively with the docExpiration data

docExpiration

The expiration date of the document once the sign envelope is finished (all signing parties have finished signing); must be used exclusively with the docValidity data

comment

A text that will be displayed and sent to the signing parties as part of the notification messages

stages

An object providing data for each stage of the sign envelope; see the [Sign envelope stages](#) section for more details.

docs

An array of documents to be handled by this sign envelope; each document must either be signed by at least one signatory or is an attachment that is displayed for user reference only. See the [Documents](#) section for more details on document types and signature positioning.

Below is an example of a cycle data object :

```
var cycleData = {
  template : '<id-or-label>',
  manager  : ' <id-or-label>',
  overwrite : true, // false means 'merge', for 'overwrite' set to true
  stages   : {
    start   : {
      // start stage data
    },
    sign     : {
      // sign stage data
    },
    publish  : {
      // publish stage data
    },
    broadcast : {
      // broadcast stage data
    }
  },
}
```

```
docs      : [
    {
        // documents to sign or attachments
    }
]
};
```



The above structure is just a brief skeleton of the cycleData object; more detailed information and a complete example are provided on the following sections

MERGE OR OVERWRITE SIGN ENVELOPE DATA

SIGN ENVELOPE STAGES

This section describes the sign envelope stages as well as provide an example.

The stages object provides information about the sign envelope stages as an object with keys for each stage, like in the structure below (it is not a full example)

```
stages    : {
    start   : {
        // start stage data
    },
    sign     : {
        // sign stage data
    },
    publish  : {
        // publish stage data
    },
    broadcast : {
        // broadcast stage data
    }
}
```



The following sections will detail each stage data.

Start stage

Available fields

overwrite

Boolean flag to indicate whether data is to be merged into the provided template or not

manager

The user name or identifier of the manager for the start stage

maxDuration

The overall maximum duration of the sign envelope

startDate

The start date of the sign envelope; this can be a date in the future, and all signing parties will be able to sign the document starting with this date.

The following code is an example of a start stage object :

```
start      : {  
  overwrite : true,  
  manager   : '...',  
  maxDuration : '...',  
  startDate  : '...' }  
}
```

Sign stage

Available fields

docHasMarkers

Boolean to indicate that documents that are subject of the sign operation provide document markers for signature positioning

data

An array of objects providing information on all signing parties for the sign envelope

The following code is an example of a sign stage object

```
sign      : {  
  // sign stage data  
}
```

Publish stage

Available fields

manager

The user name or id of the manager for the start stage

The following code is an example of a publish stage object

```
publish : {  
    // publish stage data  
}
```

Broadcast stage

Available fields

manager

The user name or id of the manager for the start stage

The following code is an example of a broadcast stage object

```
broadcast : {  
    // broadcast stage data  
}
```

DOCUMENTS

A COMPLETE EXAMPLE