



GARGANTUA DATABASES

DEPLOYMENT HISTORY, DEPENDENCIES, COMPILER, LOG

ADMINISTRATION TOOL

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WHAT ARE THE DEPLOYMENT HISTORY/DEPENDENCIES/COMPILER/LOG FUNCTIONS FOR?

The deployment history, dependencies, compiler and log functions allow administrators to keep track of the changes made over time to the GARGANTUA objects, to view the relationships between them, and to spot and correct potential errors and problems.

These functions are available for most design objects (defined at database level) and for some system objects (defined at server level):

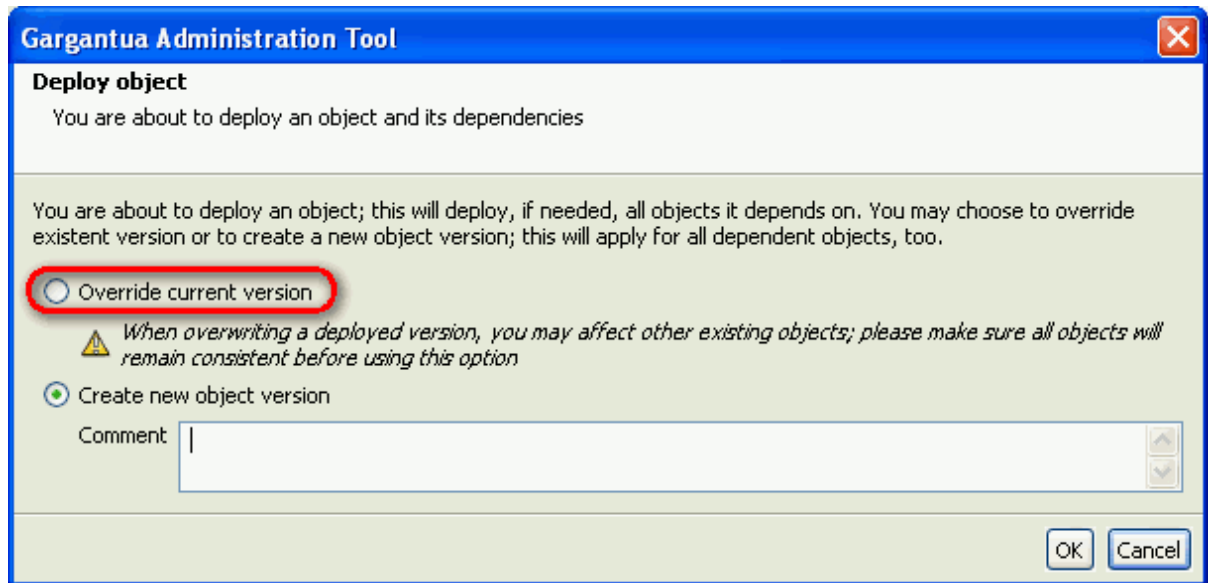
- The **Deployment history** function makes it possible to save, manage and restore previously deployed versions of the following design objects: composition rules, forms, views, processes, OCR models, IntelliScan jobs and scripts.
- The **Dependencies** function makes it possible to know which other objects rely on or are used by the current design object; this function is available for attributes, composition rules, display profiles, forms, views, processes, OCR models, IntelliScan jobs and scripts.
- The **Compiler** makes it possible to diagnose and solve errors and inconsistencies before the following design objects are published: composition rules, forms, views, processes, OCR models, IntelliScan jobs and scripts; this function is also available at database level, so that all objects can be compiled in a single move.
- The **Log** function makes it possible to view and filter the list of all operations performed on a given (group of) object(s); it is available for all design objects, for most system objects and at database level; besides, a similar function exists at server level, under the **Logs and Reports** branch (see dedicated chapter for more details).

STRUCTURE OF THE “DEPLOYMENT HISTORY” TABLE

The **Deployment history** table contains the following information and functions:

If a deployed version was never overridden, the Modification date is the same as the Creation date.

1. The numbers in this column indicate the rank of each deployed version of the object. When a version is deleted, the corresponding number also disappears: in this case, for example, version #3 of the current form has been deleted.
2. The icons in this column indicate whether the corresponding versions can be deleted or not. Versions with the  icon are not used by any other deployed version of an object: it is therefore possible to delete them; on the other hand, versions with the  icon are used by other deployed versions, so they cannot be deleted.
3. This column indicates the date and time when the version was deployed.
4. This column indicates the date and time when the version was “modified”, that is replaced by another, newer version, using the **Override current version** option:



If a deployed version was never overridden, the **Modification date** is the same as the **Creation date**.

5. This column contains the name of the user who first deployed the version. When and if the version is overridden by another user, the content of this column does not change.
6. This column contains the comment entered in the **Deploy object** dialog, after the **Create new object version** option was selected.



When an object is first deployed, a version ranked #1 is automatically added to the deployment history, with the comment "Initial version".

7. The **Restore** button makes it possible to replace the current working copy of the object with a previously deployed version.
8. The **Delete** button makes it possible to remove a version from the deployment history (provided the version in question is not used by any other deployed version of an object).
9. The **Preview** button allows you to view in read-only mode the selected version management screen with all its tabs.

RESTORING A PREVIOUSLY DEPLOYED VERSION OF AN OBJECT

To restore a previously deployed version of an object and use it as the current working copy, proceed as follows:

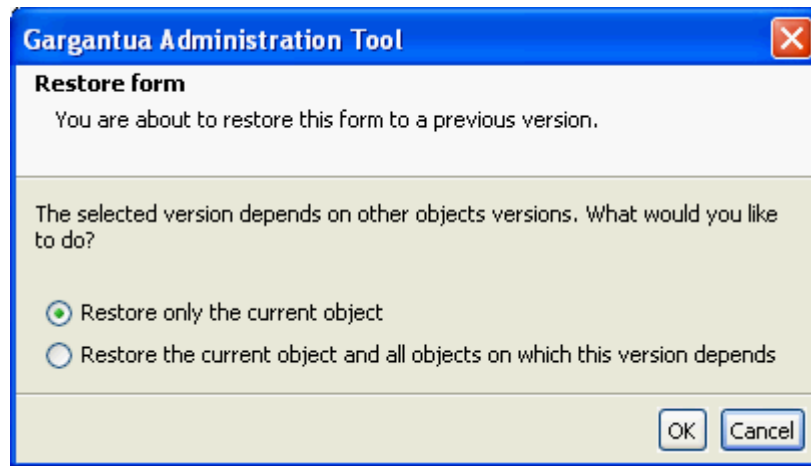
1. Click the version you want to restore in the **Deployment history** table.
2. Below the table, click the **Restore** button.

A confirmation message displays.

3. Click **Yes**.
4. If the selected version does not rely on previously deployed versions of other objects, a confirmation

message displays: do step 6 of this procedure.

On the other hand, if the selected version does rely on previously deployed versions of other objects, the dialog below appears: do all steps to the end of this procedure.



5. Select the appropriate option and click **OK**.

A confirmation message displays.

6. Click **OK**.

The selected version has been restored as the working copy for the current object.

DELETING A PREVIOUSLY DEPLOYED VERSION OF AN OBJECT

To delete a previously deployed version of an object, proceed as follows:

1. Click the version you want to delete in the **Deployment history** table.



You can neither delete versions with the  icon, nor the last deployed version of an object (in bold in the first row of the table).

2. Below the table, click the **Delete** button.

A confirmation message appears.

3. Click **Yes**.

The selected version has been removed from the **Deployment history**.

DEPENDENCIES

ACCESSING THE DEPENDENCIES ANALYSIS SCREENS FOR EACH OBJECT

In general, in order to access the dependencies analysis screens for an object, you must:

1. Click the name of the object in the left pane of the Administration Tool.
2. Click the **Dependencies** tab in the management screen for the object.

The procedure is slightly different for **attributes**:

1. Click the **Attributes** branch in the left pane of the Administration Tool.
2. Click the **Dependencies** tab in the attributes management screen.
3. Click the appropriate attribute in the list on the left.

The dependencies for the selected attribute display in the right part of the screen.

COMPILER

HOW AND WHEN TO USE THE GARGANTUA COMPILER

Before you deploy or redeploy a design object, you need to compile it in order to solve any potential errors or problems:

1. Click the name of the object you want to deploy in the left pane of the Administration Tool - or the name of a database, if you want to deploy all the objects it contains in a single move.

The corresponding management screen appears in the right pane.

2. In the lower part of the right pane, click the **Compilation** button.

The Compile tab opens and a list of messages appears.

3. If the list only contains success and/or information messages (see [Structure of the messages list](#)), you can proceed and deploy the object.

On the other hand, if the list contains error and/or warning messages (see [Structure of the messages list](#)), you must solve the corresponding problems before you deploy the object.

STRUCTURE OF THE MESSAGES LIST

The list of the compiler's messages contains the following information:

Properties	Assignments	Compile	IP Filters	Storage rules	Log	Database logging options	Help
3 errors, 2 warnings, 3 infos							
		Invoices by Sender : Incorrect criteria combinations (multiple actual objects for folders and/or processes)					
		Invoices					
		Invoices : The role assigned to this process is not assigned to the database					
		Invoices : Unlinked cancel thread					
		Validation					
		Finance : The database is using the default storage.					
		It is recommended that each Gargantua database use one or more dedicated storage areas, not the system default. You should create these storage areas and rules that make use of them. You cannot disable this message, only make it a warning.					
		Invoices by Sender : No actor(s) assignment(s) to view (the view is not public)					
		Invoices : No planner selected					
		Invoices : Expected an identifier and instead saw 'var'					Line: 2
		Invoices : Stopping, unable to continue (50% scanned).					Line: 2
1	2	3	4				5

- Icons indicating the type of each message:



- Success;



- Information;



- Warning;



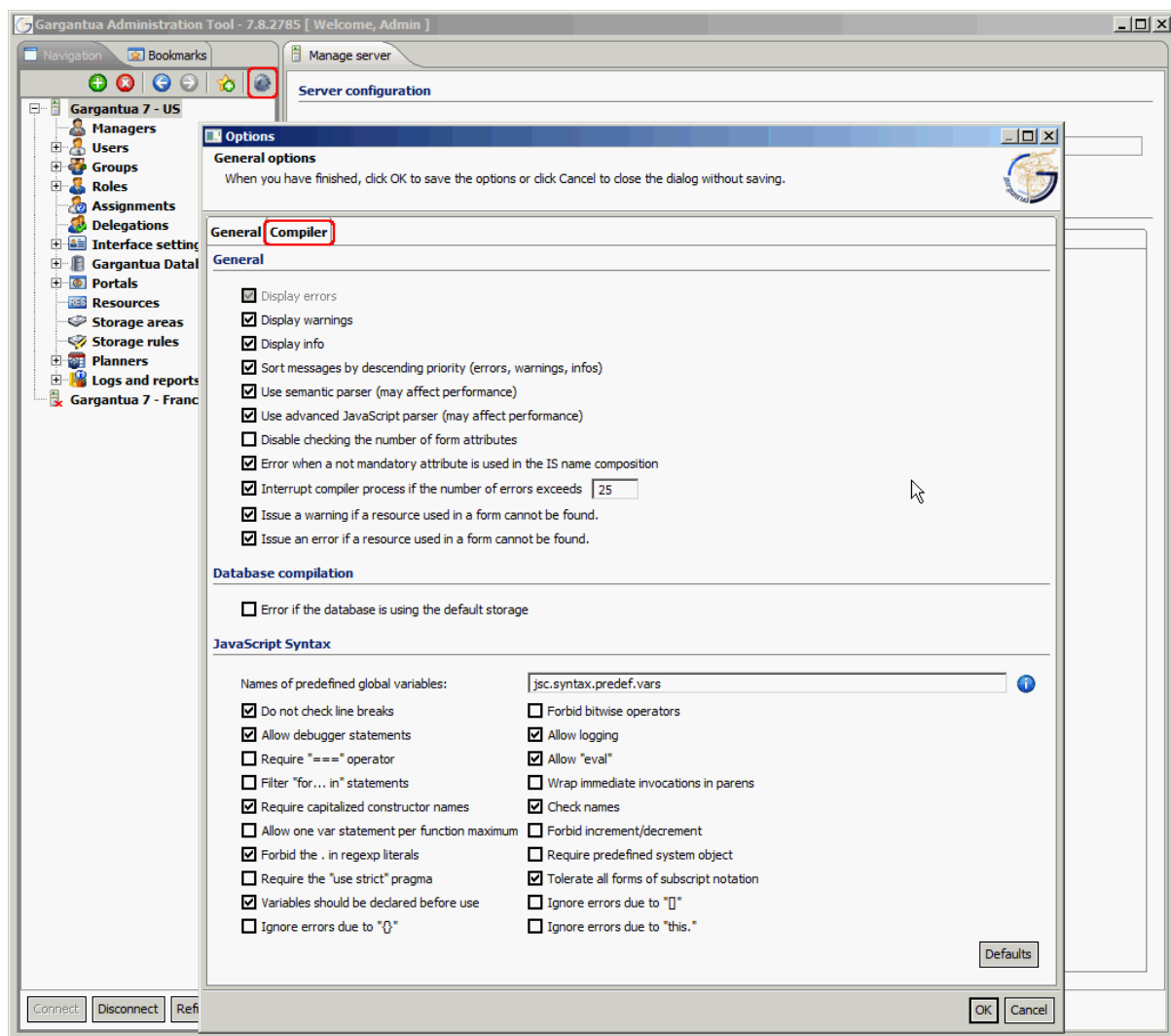
- Error;

- Icons indicating the type of the objects the messages are about;
- Links leading to the management screens where the problems can be solved;
- Details about the current problem;
- If the object is a script, line where the problem occurs.

CUSTOMIZING THE COMPILER'S BEHAVIOR

If you wish, you can customize the messages list (order, contents...) and the behavior of the JavaScript parser

with the help of the **Options** dialog:



See the “General – Connection to Server” chapter of this manual for more information on the different options available.

LOG

STRUCTURE OF THE “LOG ENTRIES” TABLE

The **Log entries** table contains the following information:

Properties Assignments Compile IP Filters Storage rules **Log** Database logging options Help

Criteria

Start date: 01/01/1800 End date: 03/02/2012

User: Operation: Week audits Month audits Year audits All audits

☐ Show login/logout events
☐ Only show error audits

Display Reset

Log entries

Object	Date	User	Operation	Result	Details
	03/02/2012 10:40	Admin	Modify attributes	Success	Invoices;
	03/02/2012 10:38	Admin	Modify attributes	Success	Invoices;
	03/02/2012 10:38	Admin	Modify attributes	Success	Invoices;
	03/02/2012 10:36	Admin	Modify attributes	Success	Invoices;
	03/02/2012 10:36	Admin	Modify attributes	Success	New script; Invoices;
	03/02/2012 10:36	Admin	Create	Success	New script;
	03/02/2012 10:33	Admin	Modify attributes	Success	Invoices;
	03/02/2012 10:33	Admin	Modify attributes	Success	Invoices;
	03/02/2012 10:32	Admin	Modify attributes	Success	Invoices by Sender;
	03/02/2012 10:32	Admin	Modify attributes	Success	Invoices by Sender;
	03/02/2012 10:31	Admin	Modify attributes	Success	Untitled view; Invoices by ...
	03/02/2012 10:30	Admin	Create	Success	Untitled view;
	03/02/2012 10:30	Admin	Modify attributes	Success	Invoices;
	02/02/2012 16:19	Admin	Deploy	Success	Invoices;
	02/02/2012 16:19	Admin	Create version	Success	Invoices; 8;
	02/02/2012 16:19	Admin	Create version	Success	Invoice; 17;
	02/02/2012 16:19	Admin	Create version	Success	Label for invoices; 4;
	02/02/2012 16:18	Admin	Delete version	Success	Invoice; 15;
	02/02/2012 16:18	Admin	Delete version	Success	Invoice; 12;
	02/02/2012 16:18	Admin	Delete version	Success	Invoice; 8;
	02/02/2012 16:18	Admin	Delete version	Success	Invoice; 4;
	02/02/2012 16:17	Admin	Delete version	Success	Invoice; 2;
	02/02/2012 15:52	Admin	Modify attributes	Success	Label for invoices;

CSV Export

- Icons indicating the type of each object; the icons used here are the same as in the tree in the left pane of the Administration Tool, plus a group of icons symbolizing the assignment of a user, group or role to a GARGANTUA database (- -);
- Date and time when the operation was performed;
- Name of the user who performed the operation;
- Type of operation performed;
- Message indicating whether the operation ended in success or error;

6. Operation details: name of the object(s); other information: rank of the deleted version, period when a delegation is effective, etc.; if the operation did not succeed, cause of the error;
7. Button allowing to export the currently displayed log entries as an Excel-readable .csv file.

FILTERING THE LOG ENTRIES

By default, all operations performed on the current day are displayed under the **Log** tab, whatever the user and operation type. You can then use filters in order to display only those log entries that match certain criteria:

1. If you want to display the log entries for other periods than the default, use the filters in the first row. They allow you to:
 - Set a Start and/or End date;
 - Display the log entries for the current week, month or year;
 - Display all log entries since the object was created.
2. If you want to display the log entries for a particular user, use the  **User** field in order to select his or her name.
3. If you want to display the log entries for a particular type of operation (create, deploy, modify attributes...), use the  **Operation** field in order to select it.
4. If you want to display the login/logout events (hidden by default), check the **Show login/logout events** box (this option is only available for users).
5. Last, if you want to display the operations that ended in error and not those that succeeded, check the **Only show error audits** box.
6. When you are done, click the **Display** button. The log entries are filtered and only those that match the set criteria are now displayed.
7. If you want to reset all filters and restore the default settings, click the **Reset** button.