

AVEVA™ Galaxy Database Manager User Guide



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CHAPTER 1

Overview

The Galaxy Database Manager is an ArcestrA utility you can use to manage your Galaxies. Use it to back up your Galaxies so that if a Galaxy becomes corrupted, you can restore the Galaxy. You can also use a backup to reproduce a Galaxy on another computer.

The Galaxy Database Manager is automatically installed on every Galaxy Repository node.

System Management Console

The Galaxy Database Manager is part of the ArcestrA System Management Console (SMC) suite of utilities you can use to manage the ArcestrA environment. The SMC is a snap-in to the Microsoft Management Console (MMC).

The MMC and each SMC utility provides its own documentation. For more information, click **Help** on the **Action** menu. The first Help book shown (Microsoft Management Console) provides information about the MMC utility in general. Each SMC utility is then represented by a Help book below the MMC book.

This document describes the functionality and user interface of the Galaxy Database Manager. It describes common features of the MMC only if required to explain Galaxy Database Manager functionality.

Note: Aspects of the Galaxy Database Manager user interface may look different when installed on different versions of Microsoft Windows. Also, the version of MMC installed on your computer affects the content and behavior of the user interface.

Starting the Galaxy Database Manager

To start the Galaxy Database Manager utility

1. From the **Start** menu:
 - Either type **System Platform Management Console** in the search bar, or
 - Navigate to the AVEVA Start folder and locate **System Management Console**.
2. Open **System Platform Management Console** (SMC).
3. Locate the Galaxy Database Manager in the SMC's console tree hierarchy.

Note: You must have Administrator privileges on the Galaxy Repository computer to use the Galaxy Database Manager. You may need additional privileges if security for the Galaxy database is set up through Microsoft SQL Server. See SQL Server documentation for further instructions.

This Galaxy Database Manager utility provides a view of all Galaxies in your Galaxy Repository. Select the Galaxy Database Manager in the SMC hierarchy to see a list of Galaxies in the details pane of the MMC.

Navigating in the Galaxy Manager

From the SMC console, you can access drop-down menus, context menus, and dialog boxes for backing up and restoring your Galaxies.

The contents of the title bar, menu bar, toolbar, and status bar are dynamic depending on which item is selected in the console tree or details pane. The contents of the details pane also change as you select different items in the console tree hierarchy.

The title bar shows the item selected in the console tree hierarchy. The status bar either shows the condition, if any, of the item selected in the console tree or provides a brief description of a highlighted command in a menu.

Console Tree

The console tree is a hierarchical structure beginning at the ArcestrA System Management Console (SMC) root. All SMC utilities are shown next in the hierarchy, including the Galaxy Database Manager. All Galaxies in your Galaxy Repository are shown on the next level of the hierarchy.

The contents of the details pane change as you select items in the console tree.

Details Pane

The details pane is composed of two main elements:

- Column headings: when Galaxy Database Manager is selected in the console tree, two columns are shown, **Node** and **Galaxy**. The **Node** column identifies which node a Galaxy resides on. The **Galaxy** column displays the Galaxy's name. Use this information when backing up and restoring Galaxies.
- Data window: shows Galaxy data.

The contents of the details pane change as you select items in the console tree. See MMC Help for information about managing column headings.

CHAPTER 2

Using the Galaxy Database Manager

You use the Galaxy Database Manager to back up and restore a Galaxy.

Backing up a Galaxy creates a single backup file (.cab extension) containing all the files, configuration data, and object deployment states required to recreate the Galaxy in an empty Galaxy Repository.

During the backup, no write operations are allowed to the Galaxy Repository. If write activity is occurring, you should back up at a later time.

Restoring a Galaxy uses the backup file to overwrite an existing Galaxy or to create the backed up Galaxy in a different Galaxy Repository. The restore process prompts you for confirmation before a Galaxy is overwritten.

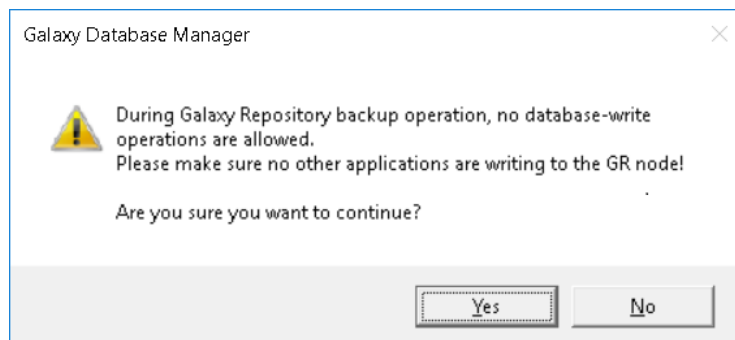
All objects should be undeployed before beginning to restore a Galaxy. During the restore, no clients can use the Galaxy Repository. If these conditions are not acceptable, you should restore at a later time.

Backing Up a Galaxy

The backup function of the Galaxy Database Manager archives all files and configuration data required to recreate the selected Galaxy in an empty Galaxy Repository.

To back up a Galaxy

1. In the console tree of the ArcestrA System Management Console, select **Galaxy Database Manager**. The details pane shows all Galaxies and the nodes they reside on.
2. In the details pane, select the Galaxy you want to back up.
3. On the **Action** menu, click **Backup**.
4. Read the warning message.



5. Click **Yes**.
6. In the **Save In** dialog box, enter the path and file name (.cab extension) of the backup file you want to create. Use the browse button to find a file or a location.
7. Click **Save**. To terminate the backup, click **Cancel**.
8. When the backup function is finished, click **Close**.

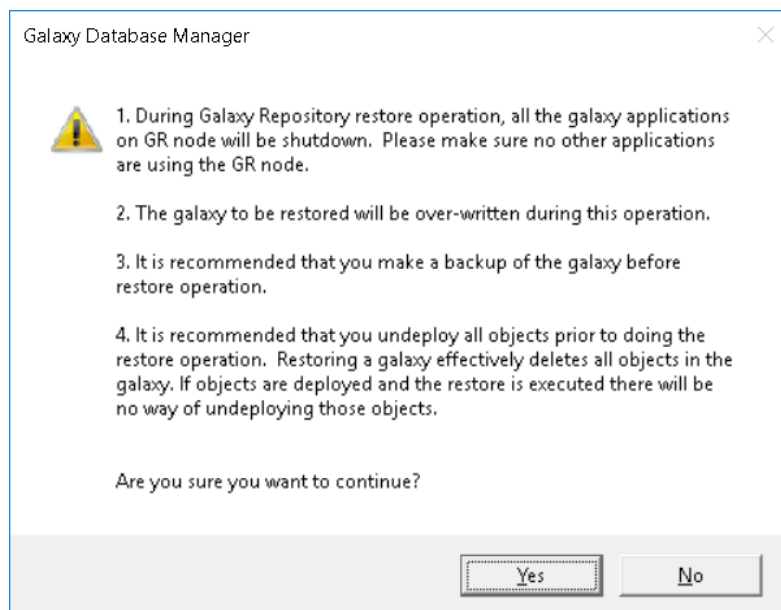
Restoring a Galaxy

You can choose a backup file to overwrite an existing, corrupted Galaxy or to reproduce a Galaxy in another Galaxy Repository.

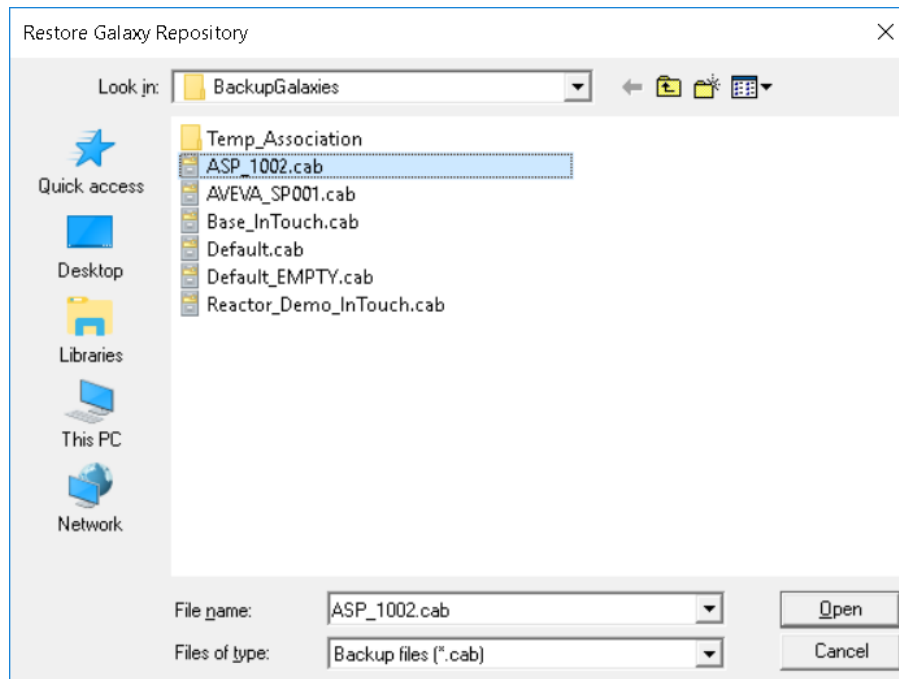
If you are reproducing a new Galaxy on another Galaxy Repository with the restore function, first use the System Platform IDE to create the new Galaxy in the target Galaxy Repository. The names of the new Galaxy you create in the IDE and the backed up Galaxy you use in the restore process must be the same. See the IDE documentation for more information about creating Galaxies.

To restore a corrupted Galaxy or to reproduce a Galaxy in another Galaxy Repository

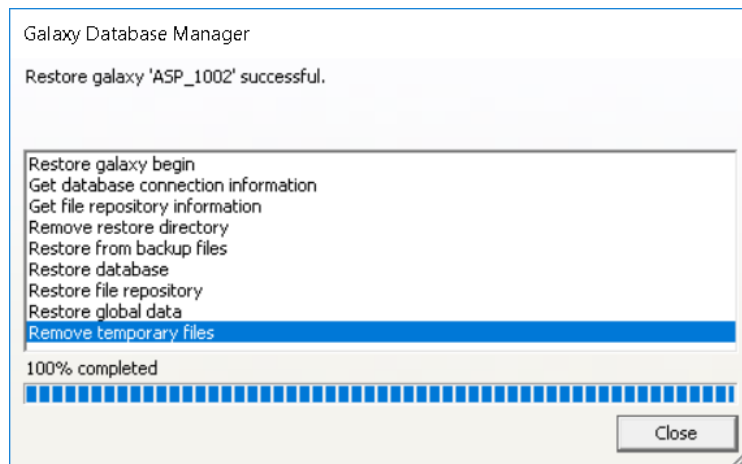
1. In the console tree of the System Management Console, click **Galaxy Database Manager**. The details pane shows all Galaxies and the nodes they reside on.
2. In the details pane, select the corrupted Galaxy you want to restore or the name of the Galaxy you want to reproduce.
3. On the **Action** menu, click **Restore**.
4. Read the warning messages. Click **Yes** to continue restoring and **No** to terminate the restore function.



5. Navigate to the path and file name (.cab extension) of the backup file you want to use. Either type the path and file name or use the browse button to explore for a file or location. The default path is the last folder used for a backup or restore.



6. To continue, click **Open**. If you have an active client connected to the Galaxy Repository, a message appears. You are required to quit those client programs before restore can continue. To terminate the restore function, click **Cancel**.
7. When the restore function is finished, click **Close**.



Determining the Galaxy Database Manager Version

You can view the version, copyright and other information about the utility.

To view Galaxy Database Manager information

1. Select **Galaxy Database Manager** in the ArchedrA System Management Console hierarchy.
2. On the **Action** menu, click **About Galaxy Database Manager**.
3. Click **OK** to close the window.

