

ASNA DataGate Studio Working with Export Files

Working with Export Files	1
Creating Export Files.....	2
Importing Exported Data	4
Migrating Database Manager Archive Files to DataGate Studio Export Files	6

Working with Export Files

To create and use database snapshots for application deployment and light-duty backup tasks, DataGate Studio provides the **DataGate Import/Export** tool. You can export database libraries, files, members, and optionally, member data. DataGate Studio 9.1 and later also supports data area exports.

The **Import/Export** tool features a tree view similar to the Windows Backup tool, which allows you to select individual objects or entire libraries for export to a single file on the local computer. Likewise, with the import function, you are presented with the contents of the export file in a tree view, with which you may individually select and exclude the objects to be imported.

Please note the following:

- DataGate Import/Export is not designed for use as a full-featured backup tool. Although it is capable of creating snapshots of an entire database, the DataGate client/server connection interface may not, in certain environments, produce acceptable performance for large scale backup tasks, especially in comparison to similar platform-based tools. To protect your data, you are advised to use the database server platform's tools for periodic backups.
- The former ASNA DataGate Database Manager application featured an archive utility for creating snapshot files of the DataGate for Windows database. These files are not compatible with the DataGate Import/Export tool. DataGate Import/Export is a superior tool, in that it can create snapshots of any DataGate database, not just DataGate for Windows. Users of the archive tool can usually transition easily to DataGate export files.

The following topics explain the use of DataGate export files.

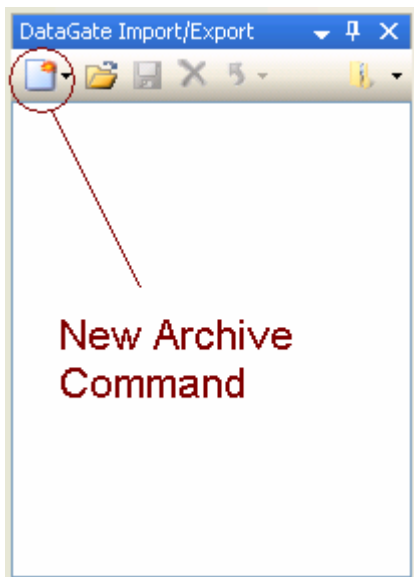
- [Creating Export Files](#)
- [Importing Exported Data](#)
- [Migrating Database Manager Archive Files to DataGate Studio Export Files](#)

Creating Export Files

With the DataGate Import/Export tool, you can create a database snapshot of particular objects and their data, and place that snapshot in a file on your local computer. This export file can be imported into another database, or transported to a different computer for import, as in an application deployment scenario.

To Create an Export File

1. Select **DataGate Import/Export** from the DataGate menu. The DataGate Import/Export tool window will display.
2. Click the **New Archive** button on the window's toolbar. A drop down list of current DataGate Explorer connections is shown.

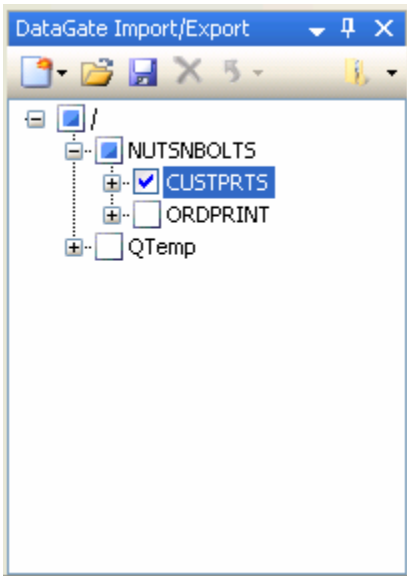


3. Select the **connection** to use to export objects and data from. The root library of the database is shown in the main window tree view.

Database connections will only be available for selection if you have first created them in DataGate Explorer.

4. Expand the **tree** to display the objects you wish to export. Click the empty square next to the object names in the tree you wish to export.

In the figure below, the /NUTSNBOLTS/CUSTPRTS file has been selected for export, and the ORDPRINT file in the same library has been excluded.



5. Click the **Data Compression** drop down button to select the compression option for the export file.

The Data Compression option can greatly reduce the size of export files.

An uncompressed export file can be viewed in a text editor. This will reveal that the contents of file include an XML document describing the data and metadata of the exported objects.

6. Click the **Save Archive** button. A "Save As" file chooser dialog is displayed. Navigate to the folder to contain the export file, and then type the file name. Click the Save button to save the export file, or Cancel to close the dialog without saving. The export process begins when you press Save.

The default extension for DataGate export files is **".dgie"**. You may use any extension, but this extension is registered with Windows so that the file opens in DataGate Studio with the Windows Open command.

The progress of the export process can be viewed in the DataGate Studio Status Bar and Output window. The time required to complete an export process is effected by the following factors.

- The number of database objects, and the size and count of database records to export.
- The performance of the database server.
- For remotely hosted database servers, the latency of the network.
- The performance of the local computer.

The export process runs in a worker thread, so you may continue to perform other tasks in DataGate Studio while it completes.

Importing Exported Data

DataGate Studio export files can be restored to a database using the DataGate Import/Export tool. You can examine the export file's contents, select the objects to be restored, and choose the target database.

To Restore Objects from an Export File

1. Select **DataGate Import/Export** from the DataGate menu. The DataGate Import/Export tool window will display.
2. Click the **Load Archive** button on the window's toolbar. A file chooser dialog will be shown.



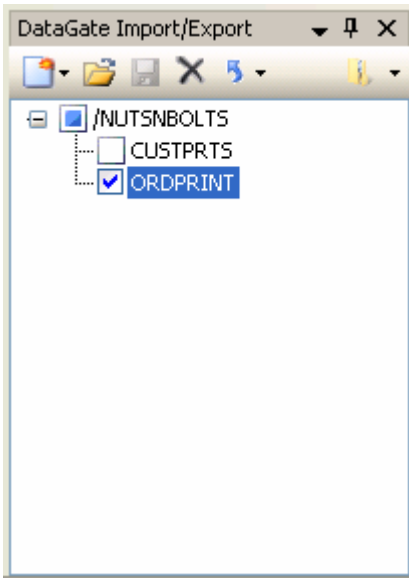
3. Select the export file to be opened. By default, the chooser will display only files with the extension **".dgie"**, the registered extension for DataGate export files.

The **".dgie"** extension is registered with Windows when DataGate Studio is installed. Therefore, you may use the Windows Open command on files with that extension, to open export files in DataGate Studio, instead of the above three steps.

Click **OK** to open the file. The root library of the objects in the export file is shown in the main window tree view.

4. Expand the tree to display the objects in the export file. Click the empty square next to the object names in the tree for each object you wish to restore.

In the figure below, the **/NUTSNBOLTS/ORDPRINT** file has been selected for import, and the **CUSTPRTS** file has been excluded. In this case, the **NUTSNBOLTS** library and **ORDPRINT** file would be restored to the target database when the Restore command is executed.



5. Click the **Restore** button on the toolbar. A drop down list of current DataGate Explorer connections will be shown.

Database connections will only be available for selection if you have first created them in DataGate Explorer.

6. Select the **connection** corresponding to the target database. The import process will begin.

The progress of the import process can be viewed in the DataGate Studio Status Bar and Output window. The time required to complete an import process is effected by the following factors.

- The number of database objects, and the size and count of database records to import.
- The performance of the database server.
- For remotely hosted database servers, the latency of the network.
- The performance of the local computer.

The import process runs in a worker thread, so you may continue to perform other tasks in DataGate Studio while it completes.

Migrating Database Manager Archive Files to DataGate Studio Export Files

Users of the ASNA Database Manager Archive utility must continue to use Database Manager to work with the archive files it produces, since the archive file format is incompatible with the DataGate Import/Export tool. Likewise, the export file format is incompatible with the Archive utility. However, DataGate Import/Export effectively replaces Archive utility functionality, and produces export files that can be saved and restored to any DataGate database, not just DataGate for Windows.

If you currently have archive files, but want to transition to export files, you can simply restore your archive file, using Database Manager, to a DataGate for Windows database, then use DataGate Import/Export to export the same objects contained in the archive.