

Exporting ReqIF files from the command-line interface

Exporting from the command-line interface is useful when you want to export files automatically, e.g., once a day at midnight.

To export a ReqIF file from the command-line interface

1. Open the Command Prompt window
2. Go to the `<model editor installation directory>/plugins/com.nomagic.requirements` directory containing the `reqifexport.exe` file.
3. At the command prompt, type the following command and specify the values of the required arguments:

```
reqifexport project_descriptor=<project URL> reqif_file=<path to ReqIF file>  
export_type=<specifications|elements> elements=  
  
<hyperlinks or qualified names of elements> source_tool_id=<ReqIF flavor>
```

Where:

- **project_descriptor** is the URL of a project.
 - a. Start your modeling tool and open the required project.
 - b. In the main menu, go to **File > Project Properties** and select the **General** tab.
 - c. Find the project descriptor specified in the **Project Descriptor** box at the bottom of the **Project Properties** dialog and copy it to the clipboard.
- **reqif_file** is the path to the ReqIF file you want to export.



If there is a space in a path, surround the argument and its value with escaped quote (\").

- **export_type** is the type of exported data. The valid value of this argument:
 - **elements** - if you want to export the plain list of requirements.
 - **specifications** - if you want to export requirements and hierarchical relationships between them.
- **elements** are hyperlinks or qualified names (or the combination of both) of the elements to be exported. They must be separated by semicolon (;) symbols.
 - a. Start your modeling tool and open the required project.
 - b. In the Containment tree, right-click an element and select **Copy Element Hyperlink**.

The hyperlink of the element is now copied to the clipboard.



If you want to export **Specifications**, make sure you specify packages with the «Specification» stereotype applied. To apply the stereotype, your project has to use the *ReqIF Profile*. If you try to export packages that don't have the «Specification» stereotype, the command will fail.

- **source_tool_id** is the flavor of the ReqIF file. Currently supported flavors are **MagicDraw**, **IBM Rational DOORS**, **Polarion**, **Teamcenter** and **Reqify**. Note that the **source_tool_id** argument is optional.
4. Press **Enter**.

The ReqIF file with the desired data is now exported to the specified directory.

Using a properties file

To make exporting from the command-line interface quicker you can specify arguments in a properties file, which can be easily edited or reused.

To export a ReqIF file from the command-line interface using a properties file

1. Create a properties file and specify the values of the following arguments:
 - **project_descriptor**
 - **reqif_file**
 - **export_type**
 - **elements**
 - **source_tool_id**

See the example of a properties file below.

```

project_descriptor=file:/C:/Users/johnsmith/Downloads/MagicDraw_185/samples/requirements/MagicLibrary%
20requirements.mdzip
#
# Specify the project URL.
# To get a project descriptor, open a project and in the main menu go to File > Project Properties >
General.
#
reqif_file=C:/Users/johnsmith/Documents/Project_Requirements/project_requirements.reqif
#
# Specify the path to the ReqIF file.
# NOTE: If there is a space in a path, surround the argument and its value with escaped quote (\").
#
export_type=elements
#
# Specify the type of exported data. The value of the argument can be "specifications" or "elements".
#
elements=mdel://_17_0_2_8f90291_1308667744583_445317_24132;
mdel://_17_0_2_8f90291_1308667618344_111153_24071
#
# Specify the hyperlinks or qualified names (or the combination of both) of the elements to be exported.
# To get the hyperlink of an element, open a project, right-click the element in the Containment tree
and select "Copy Element Hyperlink".
#
source_tool_id=MagicDraw
#
# Specify the flavor of the ReqIF file. Supported flavors are: "MagicDraw", "IBM Rational DOORS",
"Polarion", "Teamcenter" and "Reqtify".
# NOTE: This argument is optional.
#

```



When creating a properties file on Windows OS, use only / or \\ as a path separator, otherwise the command will fail.

2. Open the Command Prompt window.
3. Go to the *<model editor installation directory>/plugins/com.nomagic.requirements* directory containing the *reqifexport.exe* file.
4. At the command prompt, type the following command and specify the value of the **properties_file** argument.

```
reqifexport properties_file=<path to properties file>
```

Where **properties_file** is the path to the properties file to be used.

5. Press **Enter**.

The ReqIF file with the desired data is now exported to the specified directory.