



# Enterprise Architect

User Guide Series

# Model Publishing to Various Formats

How to publish a model Package? Export a Package to a file in one of several XML formats, such as XMI 1.1, XMI 2.1, Ecore, ArcGIS or BPMN 2.0 XML, using Sparx Systems Enterprise Architect; for example, export BPMN 2.0 models to BPMN 2.0 XML/XPDL2.2.

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Date: 2025-09-02

Version: 17.1

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# Model Publishing to Various Formats

The Publish Model Package facility is used to export a Package to a file in one of several XML formats, including XMI 1.1, XMI 2.1, Enterprise Architect's Native formats, Ecore, ArcGIS and BPMN 2.0 XML; for example, you might:



- Export BPMN 2.0 models to BPMN 2.0 XML/XPDL2.2, or
- Export Enterprise Architect model elements to Rational Rose and other tools that implement the:
  - UML 1.3 XMI 1.1 / XMI 1.0 standard
  - UML1.4 XMI 1.2 standard, or
  - UML 2.x XMI 2.x standard

## Access

Select a Package in the Browser window, then:

Ribbon	Publish > Model Exchange > Publish As...
Keyboard Shortcuts	Ctrl+Alt+E : Publish

## Publish Model Package options

Option	Action
Package	<p>Displays the name of the currently-selected Package.</p> <p>If this is not the required Package, click on the  button and select the correct Package.</p>
Filename	<p>Type in or browse for () the file path into which the XML file is to be generated.</p>
XML Type	<p>Click on the XML/XMI version to which to export the Package.</p> <ul style="list-style-type: none"> <li>• Select 'UML 2.1' to use XMI 2.1 in round-tripping a model</li> <li>• Select 'UML 2.0, 2.1.1, 2.1.2, 2.2, 2.3, 2.4.1', '2.5' or '2.5.1' if exporting to a tool that requires that specific version of the XMI</li> <li>• Select 'Native XML' or 'Native XEA' to export to Enterprise Architect's Native format</li> <li>• Select 'Ecore' to export into a .ecore xmi file</li> <li>• Select 'BPMN2.0 XML' to export into a BPMN2.0 xmi file</li> <li>• Select 'XPDL 2.2' to export into an</li> </ul>

	<p>XPDL 2.2 xmi file</p> <ul style="list-style-type: none"> <li>• Select 'ArcGIS' to export into an ArcGIS xmi file</li> </ul> <p>The selected version might render some of the next eight options unavailable.</p>
Export Diagrams	Select this checkbox to export all the diagrams in the selected Package.
Export Alternate Images	Select this checkbox to export the alternative images used in the diagrams in the selected Package.
Format XML Output	Select this checkbox to format the output into readable XML (this takes a few more seconds at the end of the run).
Write Log File	<p>Select this checkbox to write a log of the export activity (recommended).</p> <p>The log file is saved to the directory into which the XML file is exported.</p>
Use DTD	<p>Select this checkbox to use the XMI DTD when exporting to XMI 1.0 or XMI 1.1.</p> <p>Setting this option validates the correctness of the model and checks that no syntactical errors have occurred.</p>

<p>Exclude EA Extensions</p>	<p>Select this checkbox to exclude tool-specific information from the export.</p>
<p>Unisys/Rose Format</p>	<p>Select this checkbox to export in Unisys/Rose compatible XMI format.</p>
<p>Generate Diagram Images</p>	<p>Select this checkbox to generate the exported diagrams in the format you select from the 'Format' drop-down list (Metafile, Bitmap, GIF PNG, JPG, SVG). The generated diagrams are saved in a Package called Images in the directory into which the XML file is exported.</p>
<p>Stylesheet</p>	<p>(Optional) Click on the drop-down arrow and select an XSL Stylesheet to post-process the XML content before saving to file.</p> <p>You can post-process the XML content before saving the Package to file, using an XSLT to convert the output to HTML, XSL, code or other versions of XML; to do this, you must import the required style sheet into the project through the 'Resources' tab of the Browser window.</p>
<p>View XML</p>	<p>Click on this button to view the exported XML file.</p>

Export	Click on this button to initiate the XML export.
Close	Click on this button to abort the instructions and close this dialog.
Help	Click on this button to display this Help topic.
Progress	Monitor the progress of the XML export.

## Notes

- When exporting and importing with XMI 1.0 with Enterprise Architect, some loss of data occurs due to the limitations of XMI 1.0
- Exporting to BPMN 2.0 XML and XPDL 2.2 is supported in Professional, Corporate, Unified and Ultimate Editions of Enterprise Architect
- In the Corporate, Unified and Ultimate Editions of Enterprise Architect, if security is enabled you must have 'Export XML' permission to export to XML
- When you select to apply a Data Type Definition (DTD) during an XMI 1.1 export, the UML\_EA.DTD file is written to the output directory into which the XML files are written (unless the UML\_EA.DTD file is already present in the directory); no error is generated if the

UML\_EA.DTD file is not present in this directory during the XMI export

