

Artifact

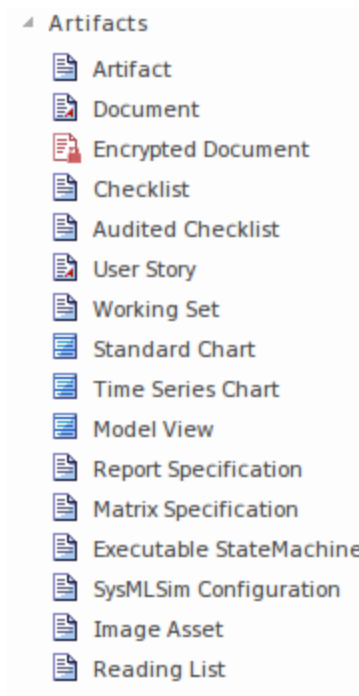
Description

An artifact is any physical piece of information used or produced by a system. In Enterprise Architect these are represented by the Artifact element, which can have one of a number of stereotypes to tailor it to a specific purpose, including internal operations and structures within the model as indicated in the examples. Artifacts can have associated properties or operations, and can be instantiated or associated with other Artifacts according to the object they represent.

You can create an Artifact element by dragging one of the 'Artifact' icons from the 'Artifacts' page of the Diagram Toolbox, or from one of several other Toolbox pages according to type. The 'Common' page of the Toolbox also has a generic 'Artifact' icon that - when you drag it onto a diagram - offers a choice of types of Artifact to create. The figure below explain the Types of Artifact

Calendar-Glossary in Enterprise Architect

Rasha Ghanem-Atica Mohammed-Taghreed Riyadh



1- Base Artifact: A Base Artifact defines the external artifacts used in a process and the internal artifacts generated in the process, such as model files, source files, database tables, development deliverables or support documents. The files represented by the Artifact are listed on the 'Files' tab of the element 'Properties' dialog.

To open the files represented by the Artifact, click on the element on the diagram and press Ctrl+E. Each file is opened either on a separate tab in the Diagram View workspace (if the file can be opened within Enterprise Architect) or in the default Windows viewer/editor for the file type (if the file cannot be opened within Enterprise Architect).

Calendar-Glossary in Enterprise Architect Rasha Ghanem-Atica Mohammed-Taghreed Riyadh

Files can also be launched individually from the 'Files' tab (opening in the Windows default editor), as for elements of any other type that have associated files.

- 2- **Document Artifact:** A Document Artifact is an Artifact having a stereotype of «document». You create the Document Artifact using the Artifacts, Component, Documentation or Deployment pages of the Diagram Toolbox, and associate it with an RTF document or CSV file.

Double-click on the element to display the Linked Document Editor. When you have created the linked document, the Document Artifact element on the diagram shows an 'A' symbol in the bottom right corner.



- 3- **Image Asset:** Image Assets are model elements that are used to store images in the model. You can create them by dragging the 'Image Asset' icon onto a diagram and choosing an image file, or by dragging an image file from your file system straight onto a diagram. Enterprise Architect creates an Image Asset Artifact, then stores the image from the file in the Artifact as the 'owned image'. The element can display on the diagram either as the image or as a

Calendar-Glossary in Enterprise Architect

Rasha Ghanem-Atica Mohammed-Taghreed Riyadh

rectangular element; to toggle between them, right-click on the object and click on the 'Show Owned Image' option.

When the Artifact is displaying as an image, you can double-click on it to display the element 'Properties' dialog. If the Artifact is displaying in element format, double-clicking on it will open the image in the default external viewer for images.

An Image Asset image can be used in model documentation in the same way as for an image from the Image Manager, by inserting a hyperlink to the Image Asset element. As you create the hyperlink, you are prompted to select the type of object to link to; click on 'Element Image' and select the appropriate Image Asset element from the list. If you Ctrl+click on the hyperlink, the image is displayed in the default external viewer for images. When a report is generated, the hyperlinked Image Asset element is rendered using its 'owned image'.