



Enterprise Architect

User Guide Series

# Web Reports

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Date: 30/06/2017

Version: 1.0

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# Web Reports

As you develop your model you can publish it on the web, where the outline structure closely mirrors the model hierarchy and makes it very simple to explore models on-line. With an elegant web design and the ability to explore very large models efficiently on-line, the web-publishing capability is a significant enhancement. You can export either an entire model or a single branch of the model to the web pages. The report provides an easy to use, highly detailed, Javascript-based model tree. In addition, hyperlinked elements make it very simple to browse to related information.

## Notes

- The HTML output is compatible with any standard web server, on either Unix or Windows platforms - simply bundle up the entire output directory and place it within the context of your web server; all path names should be relative and case sensitive
- You can create Web Style Templates to customize your web output
- You can use Report Packages and Model Documents to select specific areas of your model for reporting
- In the Corporate, Business and Software Engineering, System Engineering and Ultimate editions of Enterprise Architect, if security is enabled you must have Generate Documents permission to generate HTML documents

## Create a Web Page Report

If you want to create a report on a Package to display as a web page, you can select the Package in the Project Browser and perform a simple procedure using the 'Publish as HTML' dialog. All child Packages of the selected Package are automatically included in the report.

### Access

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| Ribbon             | Publish > Web > Standard HTML Report                          |
| Context Menu       | Right-click on Document element   Documentation   HTML Report |
| Keyboard Shortcuts | Shift+F8                                                      |

### Create a Web Page report

| Field/Button                  | Action                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Package                       | Confirm the name of the selected Package, for which you are creating the web documentation.<br><br>If you want to change the Package, close the dialog, select the new Package and select the 'HTML Report' option again.                                                                                                                         |
| Title                         | Defaults to the Package name. If you want the report to have a different title, overtype the field contents with your preferred text.                                                                                                                                                                                                             |
| Output to                     | Type in or browse for the directory path your report is to be saved to.                                                                                                                                                                                                                                                                           |
| Style                         | (Optional.) Click on the drop-down arrow and select a custom web style template to apply to your documentation, in place of the default template.<br>Use the <default> value for the standard, system-provided template.                                                                                                                          |
| File extension                | Type the file extension for your web documentation files; the default is .htm.                                                                                                                                                                                                                                                                    |
| Theme                         | Click on the drop-down arrow and select a Diagram Theme to apply the color, line thickness and font style to diagrams of elements in the report, if those elements are using default values.<br><br>If you set the field to '<none>' the report will apply the system default theme defined in the 'Preferences' dialog, 'Diagram > Themes' page. |
| Header Image                  | If you want the report to have an identifying image at the top, type in or browse for the image file directory path and filename.<br><br>If you do not specify a path, the image defaults to the Enterprise Architect logo.                                                                                                                       |
| Preserve White space in Notes | Select the checkbox to reproduce the spacing of any element notes. Deselect the checkbox to remove white space.                                                                                                                                                                                                                                   |

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No Page for Note and Text Items    | Select the text box to exclude Note elements and Text elements from the report.                                                                                                                                                                                                                                                                                                                                                                                  |
| Hide Stereotype in Project Browser | Select this checkbox to turn off the inclusion of element stereotypes in element names in the Table of Contents (the Project Browser) of the generated HTML report. Deselect the checkbox to show the stereotypes.                                                                                                                                                                                                                                               |
| External Hyperlink target          | Provides options for how hyperlinked external documents are opened and displayed to the user. Click on the drop-down arrow and select the appropriate option: <ul style="list-style-type: none"> <li>'_top' - open the linked document in the full body of the current window (the default)</li> <li>'_blank' - open the linked document in a new window or tab</li> <li>'_self' - open the linked document within the same frame as the clicked link</li> </ul> |
| Image Format                       | Select the appropriate file format in which to store images - PNG or GIF.                                                                                                                                                                                                                                                                                                                                                                                        |
| Include                            | Select the appropriate checkboxes to include, in your web document: <ul style="list-style-type: none"> <li>Maintenance Items</li> <li>Resource allocations</li> <li>Hyperlinked files</li> <li>Non-printable elements</li> <li>Test Cases</li> <li>Glossary</li> <li>Model Tasks</li> <li>Model Issues</li> </ul>                                                                                                                                                |
| Default Diagram                    | Select the appropriate radio button to begin the web report with: <ul style="list-style-type: none"> <li>The default Model Diagram</li> <li>The currently-selected diagram</li> <li>Another diagram, for which you can browse by clicking on the  button</li> <li>No diagrams (the 'None' radio button defaults to selected)</li> </ul>                                     |
| Generate                           | Click on this button to generate the report.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Progress                           | Shows the accumulating percentage completion of the report generation process.                                                                                                                                                                                                                                                                                                                                                                                   |
| View                               | Once the report is complete, click on this button to launch your default web browser and view the web pages.                                                                                                                                                                                                                                                                                                                                                     |

## View page for specific diagram or element

When you view the web report in your web browser, you can switch directly to a page for a specific diagram or element by specifying the appropriate GUID after the report web address. That is:

`http://path/path/path/Index.htm?guid=xxxxxxxxxxxx`

Type the word guid in lower case, and do not include braces { } in the value; for example:

`http://.../path/Index.htm?guid=DC62B0DA-0D60-4447-85E6-B9BBAE7FC90F`

To obtain the GUID, right-click on the Package or element in the Project Browser and select the 'Copy/Paste' option, or right-click on the diagram and select the 'Copy Reference' option.

## Browser behavior

The display of your web report can be affected by the browser that you use. Specifically:

- Firefox automatically converts the diagram or element page locator path to a file:///C:/path protocol and actions it
- Opera automatically adds file://localhost/ to the start of the page locator path, in the same way as Firefox adds the file:///C:/path protocol
- Opera by default disables XMLHttpRequest when loading a file, and the web report detects this and prompts the user to change settings; there are no problems when the page is hosted on a web server
- Microsoft Internet Explorer does not operate on the page locator path directly, but the protocol in Firefox also works in Internet Explorer; therefore, to use the absolute references without a web server, you must access the path using the file:/// protocol
- If you are using Internet Explorer 7.0 or later, and you do not have it open, its security profile might block the report display; click on the explanation banner at the top of the screen and select the 'Allow Blocked Content' option
- To display web reports directly from the file system, Chrome requires the command line argument *chrome.exe --allow-file-access-from-files*; there are no problems with direct access when the page is hosted on a webserver

## Notes

- To generate a demonstration web report right now, open the EAExample project, select the 'System' Model Package and follow the steps above
- You can also select Packages in your model to exclude them (and their subordinate Packages) from the web reports you generate

## Create Web Style Templates

If you want to customize the look and feel of a web report for your company or client, you can use the HTML and CSS Style Editor to change the HTML associated with the various sections of the report. This editor is derived from, and provides the facilities of, the common Code Editor. The HTML and CSS Style Editor contains a set of HTML fragments for modification and customization, listed in the left hand 'Templates' panel of the dialog.

Each fragment typically contains HTML plus one or more special tag names that are replaced with information during generation. The special tag names are delimited by two # characters; for example, #NOTES#, as you can see if you click on a template fragment name to display its contents in the right hand 'Current Modified Template' panel. The HTML report generator produces output based on the fragments, either in their default state or as you have customized them. Currently you cannot alter the content within the tag names, but you can omit a complete tag by removing it, or alter its basic display properties in the surrounding HTML.

### Access

|        |                                                                                    |
|--------|------------------------------------------------------------------------------------|
| Ribbon | Configure > Reference Data > Resources > Document Generation > Web Style Templates |
|--------|------------------------------------------------------------------------------------|

### Create or edit web style templates

| Task                         | Action                                                                                                                                                                                                                                                                                   |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Create a new template        | Right-click on the <i>Web Style Templates</i> folder and select the 'Create HTML Template' option.<br>Type the name of the new template when prompted to do so. The 'HTML and CSS Style Editor' displays.                                                                                |
| Edit an existing template    | Expand the <i>Web Style Templates</i> folder and either: <ul style="list-style-type: none"> <li>• Double-click on the template name or</li> <li>• Right-click on the template name and select the 'Modify HTML Style Template' option</li> </ul> The HTML and CSS Style Editor displays. |
| Delete a customized template | Expand the <i>Web Style Templates</i> folder, right-click on the template name and select the 'Delete HTML Template' option.                                                                                                                                                             |

### Within the HTML and CSS Style Editor

| Task                     | Action                                                                                                                                                                                            |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Edit a template fragment | Click on the required fragment in the 'Templates' list; the fields in that fragment display in the 'Current Modified Template' panel.<br>Change the field values, or delete fields, as necessary. |

|                                                  |                                                                                                                                                                                                                                                      |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Save your style changes                          | Click on the Save button to save your version of this template fragment only.<br>Save each fragment before you move on to another fragment.                                                                                                          |
| Delete a modified template fragment              | Click on the template fragment in the left-hand list and click on the Delete button.<br>This removes the modified version of the fragment, which causes the report generator to use the default (system-provided) fragment during report generation. |
| Retrieve the original, default template fragment | Click on the template fragment in the left hand list and click on the Get Default button.                                                                                                                                                            |

## Notes

- Each time you generate the web report it overwrites the templated files, so you must back up your modified versions and copy them back in after every update

# HTML Template Fragments

When you create a web report template in the HTML and CSS Style Editor, it automatically contains a wide range of system-provided HTML Template fragments. You can edit the fields of each separate fragment, or use the unchanged default.

## Access

|        |                                                                                                                                                                                                                                                                                |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ribbon | Configure > Reference Data > Resources > Document Generation > Web Style Templates > right-click > Create HTML Template, or<br>Configure > Reference Data > Resources > Document Generation > Web Style Templates > <template name> > right-click > Modify HTML Style Template |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Fragment Fields

| Fragment       | Fields                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body - Diagram | <ul style="list-style-type: none"> <li>• #AUTHOR# - Diagram author</li> <li>• #CREATEDATE# - Diagram created date</li> <li>• #CSS# - Style Sheet to use</li> <li>• #GUID# - Diagram GUID</li> <li>• #IMAGE# - Image of the diagram</li> <li>• #IMAGES# - Image path</li> <li>• #LOCKED# - Is the diagram locked (true or false)</li> <li>• #MODDATE# - Diagram modified date</li> <li>• #NAME# - Diagram name</li> <li>• #NOTE# - Diagram notes</li> <li>• #STEREOTYPE# - Diagram stereotype</li> <li>• #TITLE# - Diagram title</li> <li>• #TYPE# - Diagram type</li> <li>• #VERSION# - Diagram version</li> </ul> |
| Body – Object  | <ul style="list-style-type: none"> <li>• #ABSTRACT# - Element abstract (if true, = abstract)</li> <li>• #ACTIVE# - Element isActive (true or false)</li> <li>• #ALIAS# - Element alias ("#ALIAS#")</li> <li>• #AUTHOR# - Element author</li> <li>• #BEHAVIOR# - Returns the object behavior.</li> <li>• #CLASSIFIER# - Element classifier</li> <li>• #CLASSIFIERREF# - Returns the HREF of the classifier</li> <li>• #COMPLEXITY# - Element complexity</li> <li>• #CREATEDATE# - Element created date</li> <li>• #CSS# - Style Sheet to use</li> </ul>                                                             |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <ul style="list-style-type: none"> <li>• #DIAGRAMS# - List of diagrams the element is on</li> <li>• #DIFF# - Element difficulty</li> <li>• #GUID# - Element GUID</li> <li>• #IMAGES# - Image path</li> <li>• #KEYWORDS# - Element keywords</li> <li>• #LANGUAGE# - Element language</li> <li>• #LEAF# - Element isLeaf (true or false)</li> <li>• #LEVELNUMBER# - Element level number</li> <li>• #MODDATE# - Element modified date</li> <li>• #MULTIPLICITY# - Element multiplicity ("Multiplicity: #MULTIPLICITY#")</li> <li>• #NAME# - Element name</li> <li>• #NOTE# - Element notes</li> <li>• #PHASE# - Element phase</li> <li>• #PRIORITY# - Element priority</li> <li>• #ROOT# - Element isRoot (true or false)</li> <li>• #SCOPE# - Element scope</li> <li>• #STATUS# - Element status</li> <li>• #STEREOTYPE# - Element stereotype(s)</li> <li>• #TYPE# - Element type; for example, Class, Object</li> <li>• #VERSION# - Element version</li> </ul> |
| Body – Project Glossary      | <ul style="list-style-type: none"> <li>• #CONTENT# - Loops Body – Project Glossary Item for each Project Glossary item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Body - Project Glossary Item | <ul style="list-style-type: none"> <li>• #MEANING# - Glossary Meaning</li> <li>• #TERM# - Glossary Term</li> <li>• #TYPE# - Glossary Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Body – Project Issue         | <ul style="list-style-type: none"> <li>• #CONTENT# - Loops Body – Project Issue Item for each Project Issue item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Body - Project Issue Item    | <ul style="list-style-type: none"> <li>• #DATERESOLVED# - Project Issue resolved date (blank if no date entered)</li> <li>• #ISSUE# - Project Issue name</li> <li>• #ISSUEDATE# - Project Issue issue date</li> <li>• #NOTES# - Project Issue notes</li> <li>• #OWNER# - Project Issue owner</li> <li>• #RESOLUTION# - Project Issue resolution</li> <li>• #RESOLVER# - Project Issue resolver</li> <li>• #STATUS# - Project Issue status</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Body – Project Task          | <ul style="list-style-type: none"> <li>• #CONTENT# - Loops Body – Project Task Item for each Project Task item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Body - Project Task Item     | <ul style="list-style-type: none"> <li>• #ENDDATE# - Project Task end date</li> <li>• #NAME# - Project Task name</li> <li>• #NOTES# - Project Task notes</li> <li>• #OWNER# - Project Task owner</li> <li>• #PHASE# - Project Task phase</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    | <ul style="list-style-type: none"> <li>• #PRIORITY# - Project Task priority</li> <li>• #STARTDATE# - Project Task start date</li> <li>• #STATUS# - Project Task status</li> <li>• #TYPE# - Project Task type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Content – Attributes               | <ul style="list-style-type: none"> <li>• #CONTENT# - Loops Content – Attributes Item for each attribute on an element</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Content – Attributes Item          | <ul style="list-style-type: none"> <li>• #ALIAS# - Attribute alias ("<i>&lt;/i&gt;Alias:&lt;/i&gt; #ALIAS#&lt;br&gt;")</i></li> <li>• #ALLOWDUPLICATES# - For Non-Table elements, returns True or False</li> <li>• #COLLECTION# - For Non-Table elements, returns True or False</li> <li>• #CONST# - Attribute is constant value ("const " &lt;-- Note Space)</li> <li>• #CONSTRAINT# - Attribute constraint</li> <li>• #DEFAULT# - Attribute default value ("<i>&lt;/i&gt;Initial:&lt;/i&gt; #DEFAULT&lt;br&gt;")</i></li> <li>• #DERIVED# - Attribute is Derived</li> <li>• #FK# - Foreign Key, for Table elements returns True or False</li> <li>• #ISID# - Attribute is ID</li> <li>• #ISORDERED# - For Non-Table elements, returns True or False</li> <li>• #NAME# - Attribute name</li> <li>• #NOTE# - Attribute notes</li> <li>• #NOTNULL# - For Table elements, returns True or False</li> <li>• #ORDERED# - Attribute Is ordered value ("Ordered &lt;br /&gt;")</li> <li>• #PK# - Primary Key, for Table elements returns True or False</li> <li>• #RANGE# - If lower != 1 ("Range:&lt;lower&gt; to &lt;upper&gt;")</li> <li>• #SCOPE# - Attribute scope ("# SCOPE# " &lt;-- Note space)</li> <li>• #STATIC# - Attribute is static value ("static " &lt;-- Note Space)</li> <li>• #STEREOTYPE# - Attribute stereotype(s)</li> <li>• #TAGS# - Attribute tags ("Property Name=Property Value&lt;br&gt;")</li> <li>• #TRANSIENT# - Attribute is Transient</li> <li>• #TYPE# - Attribute type (if Column, "#TYPE(Column Precision, Scale)")</li> <li>• #UNIQUE# - For Table elements, returns True or False</li> </ul> |
| Content – Constraints              | <ul style="list-style-type: none"> <li>• #CONTENT# - Loops Content – Constraints Item for each constraint on an element</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Content – Constraints Item         | <ul style="list-style-type: none"> <li>• #CONSTRAINT# - Constraint name</li> <li>• #NOTES# - Constraint notes</li> <li>• #STATUS# - Constraint status</li> <li>• #TYPE# - Constraint type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Content – Custom Properties        | <ul style="list-style-type: none"> <li>• #CONTENT# - List of all Content – Custom Properties - Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Content – Custom Properties - Item | <ul style="list-style-type: none"> <li>• #PROPERTY# - Custom property name</li> <li>• #VALUE# - Custom property value<br/>(if type equal boolean<br/>true or false)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | else<br>#VALUE#)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Content - Element Effort            | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Content - Element Effort Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Content - Element Effort Item       | <ul style="list-style-type: none"> <li>• #EFFORT# - Effort name</li> <li>• #TYPE# - Effort Type</li> <li>• #TIME# - Effort Time</li> <li>• #NOTES# - Effort Notes</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Content - Element Risk              | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Content - Element Risk Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Content - Element Risk Item         | <ul style="list-style-type: none"> <li>• #RISK# - Risk name</li> <li>• #TYPE# - Risk Type</li> <li>• #WEIGHT# - Risk Weight</li> <li>• #NOTES# - Risk Notes</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Content - Element Metric            | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Content - Element Metric Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Content - Element Metric Item       | <ul style="list-style-type: none"> <li>• #METRIC# - Metric name</li> <li>• #TYPE# - Metric type</li> <li>• #WEIGHT# - Metric weight</li> <li>• #NOTES# - Metric notes</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Content – Files                     | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Content - Files Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Content – Files Item                | <ul style="list-style-type: none"> <li>• #DATE# - File date</li> <li>• #NAME# - File filename (&lt;a href="#FILENAME#"&gt;)</li> <li>• #NOTES# - File notes</li> <li>• #SIZE# - File size</li> <li>• #TYPE# - File type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Content - Inherited Attributes      | <ul style="list-style-type: none"> <li>• #CONTENT# - Loops Content – Inherited Attributes Item for each attribute on an element</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Content - Inherited Attributes Item | <ul style="list-style-type: none"> <li>• #ALIAS# - Attribute alias ("&lt;i&gt;Alias:&lt;/i&gt; #ALIAS#&lt;br&gt;")</li> <li>• #CONST# - Attribute is constant value ("const " &lt;-- Note Space)</li> <li>• #CONSTRAINT# - Attribute constraint</li> <li>• #DEFAULT# - Attribute default value ("&lt;i&gt;Initial:&lt;/i&gt; #DEFAULT&lt;br&gt;")</li> <li>• #NAME# - Attribute name</li> <li>• #NOTE# - Attribute notes</li> <li>• #ORDERED# - Attribute Is ordered value ("Ordered &lt;br/&gt;")</li> <li>• #RANGE# - If lower != 1 ("Range:&lt;lower&gt; to &lt;upper&gt;")</li> <li>• #SCOPE# - Attribute scope ("#SCOPE# " &lt;-- Note space)</li> <li>• #STATIC# - Attribute is static value ("static " &lt;-- Note Space)</li> <li>• #STEREOTYPE# - Attribute stereotype(s)</li> <li>• #TAGS# - Attribute tags ("Property Name=Property Value&lt;br&gt;")</li> </ul> |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | <ul style="list-style-type: none"> <li>• #TYPE# - Attribute type (if Column, "#TYPE(Column Precision, Scale)")</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Content - Inherited Operations       | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Content - Inherited Operations Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Content - Inherited Operations Item  | <ul style="list-style-type: none"> <li>• #ABSTRACT# - Operation abstract (abstract)</li> <li>• #ALIAS# - Operation alias ("<i>&lt;i&gt;Alias:&lt;/i&gt;</i> #ALIAS#&lt;br&gt;")</li> <li>• #CONCURRENCY# - Operation concurrency (blank if not set)</li> <li>• #CONST# - Operation constant (const)</li> <li>• #CONSTRAINTS# - List of Method Constraint</li> <li>• #ISQUERY# - Operation IsQuery (isQuery)</li> <li>• #NAME# - Operation name</li> <li>• #NOTE# - Operation notes</li> <li>• #PARAMS# - List of Content – Operations Item Parameters</li> <li>• #SCOPE# - Operation Scope</li> <li>• #STATIC# - Operation IsStatic (static)</li> <li>• #STEREOTYPE# - Operation stereotype</li> <li>• #TAGLABEL# - static text (Tags)</li> <li>• #TAGS# - Attribute tags ("Property Name=Property Value&lt;br&gt;")</li> <li>• #TYPE# - Operation type</li> </ul> |
| Content – Notes                      | <ul style="list-style-type: none"> <li>• #VALUE#&gt; - Notes text</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Content – Operations                 | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Content - Operations Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Content – Operations Item            | <ul style="list-style-type: none"> <li>• #ABSTRACT# - Operation abstract (abstract)</li> <li>• #ALIAS# - Operation alias ("<i>&lt;i&gt;Alias:&lt;/i&gt;</i> #ALIAS#&lt;br&gt;")</li> <li>• #CONCURRENCY# - Operation concurrency (blank if not set)</li> <li>• #CONST# - Operation constant (const)</li> <li>• #CONSTRAINTS# - List of Method Constraint</li> <li>• #ISQUERY# - Operation IsQuery (isQuery)</li> <li>• #NAME# - Operation name</li> <li>• #NOTE# - Operation notes</li> <li>• #PARAMS# - List of Content – Operations Item Parameters</li> <li>• #SCOPE# - Operation Scope</li> <li>• #STATIC# - Operation IsStatic (static)</li> <li>• #STEREOTYPE# - Operation stereotype</li> <li>• #TAGLABEL# - static text (Tags)</li> <li>• #TAGS# - Attribute tags ("Property Name=Property Value&lt;br&gt;")</li> <li>• #TYPE# - Operation type</li> </ul> |
| Content – Operations Item Parameters | <ul style="list-style-type: none"> <li>• #DEFAULT# - Op Parameter default</li> <li>• #GUID# - Op Parameter GUID</li> <li>• #KIND# - Op Parameter kind</li> <li>• #NAME# - Op Parameter name</li> <li>• #NOTES# - Op Parameter notes</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    | <ul style="list-style-type: none"> <li>• #STEREOTYPE# - Op Parameter stereotype</li> <li>• #TYPE# - Op Parameter type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Content – Resource Allocation      | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Content – Resource Allocation Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Content – Resource Allocation Item | <ul style="list-style-type: none"> <li>• #ACTUAL# - Resource actual time</li> <li>• #ENDDATE# - Resource end date</li> <li>• #EXPECTED# - Resource expected date</li> <li>• #NOTES# - Resource notes</li> <li>• #PERCENT# - Resource percent complete</li> <li>• #RESOURCE# - Resource name</li> <li>• #ROLE# - Resource role</li> <li>• #STARTDATE# - Resource start date</li> <li>• #TIME# - Resource time</li> </ul>                                                                                                                                                                                                                                                          |
| CSS – Main                         | <ul style="list-style-type: none"> <li>• None</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CSS – ToC                          | <ul style="list-style-type: none"> <li>• None</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Feature Notes                      | <ul style="list-style-type: none"> <li>• #FIELD#</li> <li>• #VALUE#</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Javascript                         | <ul style="list-style-type: none"> <li>• None</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Link (Association)                 | <ul style="list-style-type: none"> <li>• #CONTENT#</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Link (Association) Item            | <ul style="list-style-type: none"> <li>• #CONNECTION# - Connector type</li> <li>• #DIRECTION# - Connector direction</li> <li>• #IMAGE# - The file path of the images</li> <li>• #LINK# - (&lt;a href= "path to element"&gt;"Connection Name"&lt;/a&gt;)</li> <li>• #NAME# - Connector Name</li> <li>• #NOTES# - The connector notes</li> <li>• #NUMBER# - A unique number used to identify div elements</li> <li>• #SOURCEROLE# - Source role</li> <li>• #SOURCEROLENOTES# - Source role notes</li> <li>• #STEREOTYPE# - Connector stereotype</li> <li>• #TARGETROLE# - Target role</li> <li>• #TARGETROLENOTES# Target role notes</li> <li>• #TYPE# - Connector type</li> </ul> |
| Link (Flow)                        | <ul style="list-style-type: none"> <li>• #CONTENT#</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Link (Flow) Item                   | <ul style="list-style-type: none"> <li>• #DIRECTION# - Connector direction</li> <li>• #ELEMNAME# - Name of the element at the source/destination of the connector</li> <li>• #IMAGE# - The file path of the images</li> <li>• #LINK# - (&lt;a href= "path to element"&gt;"Connection Name"&lt;/a&gt;)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                 |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | <ul style="list-style-type: none"> <li>• #LINKREF# - Page name of the element at the source/destination of the connector</li> <li>• #NAME# - Connector name</li> <li>• #NOTES# - The connector notes</li> <li>• #NUMBER# - A unique number used to identify div elements</li> <li>• #STEREOTYPE# - Connector stereotype</li> <li>• #TYPE# - Connector type</li> </ul>                                                                                                                                                                                                                                                               |
| Link (Other)            | <ul style="list-style-type: none"> <li>• #CONTENT#</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Link (Other) Item       | <ul style="list-style-type: none"> <li>• #CONNECTION# - Connector type</li> <li>• #IMAGE# - The file path of the images</li> <li>• #LINK# - (&lt;a href= "path to element"&gt;"Connection Name"&lt;/a&gt;)</li> <li>• #NAME# - Connector name</li> <li>• #NOTES# - The connector notes</li> <li>• #NUMBER# - A unique number used to identify div elements</li> <li>• #SOURCEROLE# - Source role</li> <li>• #SOURCEROLENOTES# - Source role notes</li> <li>• #STEREOTYPE# - Connector stereotype</li> <li>• #TARGETROLE# - Target role</li> <li>• #TARGETROLENOTES# Target role notes</li> <li>• #TYPE# - Connector type</li> </ul> |
| Linked Document         | <ul style="list-style-type: none"> <li>• #LINKDOC# - Linked Document.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Linked Requirement      | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Linked Requirement Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Linked Requirement Item | <ul style="list-style-type: none"> <li>• #DIFF# - Linked Requirement difficulty</li> <li>• #NAME# - Linked Requirement name</li> <li>• #PRIORITY# - Linked Requirement priority</li> <li>• #STATUS# - Linked Requirement status</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                          |
| Linked Section          | <ul style="list-style-type: none"> <li>• #ITEMS#</li> <li>• #TITLE#</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Maintenance             | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Maintenance Line Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Maintenance Line Item   | <ul style="list-style-type: none"> <li>• #DATEREPORTED# - Maintenance date reported</li> <li>• #DATERESOLVED# - Maintenance date resolved</li> <li>• #IMAGE# - The file path of the images</li> <li>• #NOTES# - Maintenance notes</li> <li>• #NUMBER# - A unique number used to identify div elements</li> <li>• #PRIORITY# - Maintenance priority</li> <li>• #PROBLEM# - Maintenance name</li> <li>• #REPORTEDBY# - Maintenance reported by</li> <li>• #RESOLVEDBY# - Maintenance resolved by</li> <li>• #RESOLVERNOTES# - Maintenance resolved notes</li> </ul>                                                                   |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | <ul style="list-style-type: none"> <li>• #STATUS# - Maintenance status</li> <li>• #TYPE# - Maintenance type</li> <li>• #VERSION# - Maintenance version</li> </ul>                                                                                                                                                                                                                                                                                                              |
| Message                 | <p>(Applies only to Sequence messages.)</p> <ul style="list-style-type: none"> <li>• #CONTENT# - Loops the Message Item for each attribute on an element</li> <li>• #DIRECTION# - Contains the value To or From</li> </ul>                                                                                                                                                                                                                                                     |
| Message Item            | <ul style="list-style-type: none"> <li>• #KIND# - The 'Message Kind' field</li> <li>• #MESSAGE# - Connector Message</li> <li>• #NAME# - Name of the Message (&lt;a href="#path"&gt;#NAME#&lt;/a&gt;)<br/>If Message has a classifier: #NAME#="#NAME# :Classifier"</li> <li>• #NOTES# - The Message notes (&lt;strong&gt;Type:&lt;/strong&gt; #Item Type#&lt;br /&gt;#NOTES#)</li> <li>• #SYNCH# - The 'Message Synch' field</li> <li>• #TYPE# - The type of Message</li> </ul> |
| Method Constraint       | <ul style="list-style-type: none"> <li>• #NAME# - Method Constraint name</li> <li>• #NOTES# - Method Constraint notes</li> <li>• #TYPE# - Method Constraint type</li> </ul>                                                                                                                                                                                                                                                                                                    |
| Object Requirement      | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Object Requirement Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                |
| Object Requirement Item | <ul style="list-style-type: none"> <li>• #DIFF# - Requirement difficulty</li> <li>• #NAME# - Requirement name</li> <li>• #NOTES# - Requirement notes</li> <li>• #PRIORITY# - Requirement priority</li> <li>• #STABILITY# - Requirement stability</li> <li>• #STATUS# - Requirement status</li> <li>• #TYPE# - Requirement type</li> </ul>                                                                                                                                      |
| Package Content         | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Package Content Row</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                    |
| Package Content Row     | <ul style="list-style-type: none"> <li>• #NAME# - Link to Package (&lt;a href="#Link to file#"&gt;#Package name#&lt;/a&gt;)</li> <li>• #TYPE# - Link to Image (&lt;img src="#path to image#"&gt;)</li> </ul>                                                                                                                                                                                                                                                                   |
| Page - Basic template   | <ul style="list-style-type: none"> <li>• #CONTENT# - Contains Body - Diagram through to Body - Object</li> <li>• #TITLE# - Current Package name</li> </ul>                                                                                                                                                                                                                                                                                                                     |
| Page - Index            | <ul style="list-style-type: none"> <li>• #CSS# - Style Sheet to use</li> <li>• #HOME# - A link to the Start page</li> <li>• #JS# - Javascript to use</li> <li>• #TITLE# - Current Package name</li> <li>• #TOC# - Table of Contents</li> </ul>                                                                                                                                                                                                                                 |
| Page - ToC              | <ul style="list-style-type: none"> <li>• None</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Scenario                | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Scenario Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                          |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | <ul style="list-style-type: none"> <li>• #EXCEPTIONS# - List of Structured Scenario exceptions</li> <li>• #STRUCTURED# - List of Structured Scenarios</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Scenario Item             | <ul style="list-style-type: none"> <li>• #IMAGE# - The file path of the images</li> <li>• #NOTES# - Scenario notes</li> <li>• #NUMBER# - A unique number used to identify div elements</li> <li>• #SCENARIO# - Scenario name</li> <li>• #TYPE# - Scenario type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                       |
| Scenario Exception        | <ul style="list-style-type: none"> <li>• #CONTENT# - Loops Scenario Exception Item for each exception</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Scenario Exception Item   | <ul style="list-style-type: none"> <li>• #NAME# - Exception name</li> <li>• #STEPNO# - Exception step number</li> <li>• #TYPE# - Exception Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Scenario Structured       | <ul style="list-style-type: none"> <li>• #CONTENT# - Loops Scenario Structured Items for each Structured Scenario item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Scenario Structured Items | <ul style="list-style-type: none"> <li>• #ACTION# - Name of the scenario</li> <li>• #STEPNO# - Scenario step number</li> <li>• #RESULT# - Step result value</li> <li>• #USES# - Step uses value</li> <li>• #STATE# - Step state value</li> <li>• #TYPE# - Step type (System or User)</li> </ul>                                                                                                                                                                                                                                                                                                                                                 |
| Tagged Value              | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Tagged Value Line Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tagged Value Line Item    | <ul style="list-style-type: none"> <li>• #IMAGE# - The file path of the images</li> <li>• #NOTES# - Tagged Value notes</li> <li>• #NUMBER# - A unique number used to identify div elements</li> <li>• #PROPERTY# - Tagged Value name</li> <li>• #VALUE# - Tagged Value if type is boolean (value is true or false)</li> </ul>                                                                                                                                                                                                                                                                                                                   |
| Test Cases                | <ul style="list-style-type: none"> <li>• #CONTENT# - List of Test Cases Line Item</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Test Cases Line Item      | <ul style="list-style-type: none"> <li>• #ACCEPTANCE# - Test case acceptance notes</li> <li>• #CHECKEDBY# - Test case checked by</li> <li>• #CLASS# - Test case class (Unit, Integration, System, Acceptance, Scenario)</li> <li>• #IMAGE# - The file path of the images</li> <li>• #INPUT# - Test case input notes</li> <li>• #NOTES# - Test case notes</li> <li>• #NUMBER# - A unique number used to identify div elements</li> <li>• #RESULTS# - Test case result notes</li> <li>• #RUNBY# - Test case run by</li> <li>• #RUNDATE# - Test case last run</li> <li>• #STATUS# - Test case status</li> <li>• #TEST# - Test case name</li> </ul> |

|  |                                                                           |
|--|---------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"><li>• #TYPE# - Test case type</li></ul> |
|--|---------------------------------------------------------------------------|

## Model Documents and Report Packages

You can develop virtual documentation for output in both printable document and web page formats, using Report Package and Model Document elements. The process for generating web virtual documentation differs from that for printable documentation in two ways:

- You use a standard or customized HTML template, which you select in the 'Style' field on the 'Publish as HTML' dialog; you do not specify or use any templates defined in the Model Document element 'RTFTemplate' Tagged Value
- You create a Package list to select the elements for the report, and not a Model Search (which would be defined in the 'SearchName' and 'SearchValue' Tagged Values in the Model Document elements)

### Access

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| Ribbon             | Publish > Web > Standard HTML Report                          |
| Context Menu       | Right-click on Document element   Documentation   HTML Report |
| Keyboard Shortcuts | Shift+F8                                                      |

### Generate web documentation from a Report Package and/or Model Documents

| Step | Action                                                                                                                                                                                                                                                                                                                   |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | On the 'Publish as HTML' dialog, set the options for your web document as required.<br>Select your preferred template - such as a customized Model Document template - in the 'Style' field.                                                                                                                             |
| 2    | Click on the Generate button to generate the documentation.<br>The HTML Report Generator works through the defined content of the Report Package element and/or the Model Document elements, and pulls in the information from the listed Packages, formatted according to the template identified in the 'Style' field. |
| 3    | Click on the View button to view the documentation.                                                                                                                                                                                                                                                                      |

