

XSLT Adapter

The XSLT adapter (<<[XSLTAdapter](#)>>) enables the transformation of XML documents into XHTML documents or to other XML documents. The E2E Builder supports the import of XSLT scripts or XSLT script archives into the UML model. XSLT scripts can be called in the UML model with the XSLT adapter. The XSLT processor chosen in the component diagram executes the transformation as defined for the XSLT adapter in the activity diagram.

Refer to the example model referenced below, which shows how to transform an XML document into an HTML document.

Example File (Builder project Add-ons/XSLT):



<your example path>\Add-ons\XSLT\uml\xslt.xml

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Parameter

Refer to the example model referenced below, which shows how to transform an XML document into an HTML document.

Example File (Builder project Add-ons/XSLT):



<your example path>\Add-ons\XSLT\uml\xsltParameters.xml

Logging with XSLT

It is possible to write logs into the E2E Bridge using XSLT. While the syntax for the two XSLT processors Saxon and Xalan is slightly different, the procedure is the same: First, the prefix must be declared. Second, the logging is executed.

Four methods are available for both loggers. The methods correspond to the [Bridge Server Log Levels](#):

Method	Bridge Server Log Level
error	Error
warning	Warning
info	Info
debug	Debug

Examples

In the examples below, the syntax for the two XSLT processors Saxon and Xalan is shown using the method **logger:info**.

Logging with Saxon

```

<?xml version="1.0"?>
<xsl:transform xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="
2.0"
    xmlns:logger="java:ch.e2e.bridge.server.xslt.
XSLTSaxonLogger"
    extension-element-prefixes="bridgeLog">

    <xsl:template match="/">
        <xsl:value-of select="logger:info('XSLT_01', 'Starting
script mySaxonScript.xsl')"/>
    </xsl:template>

</xsl:transform>

```

Logging with Xalan

```

<?xml version="1.0"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="
1.0"
    xmlns:xalan="http://xml.apache.org/xalan"
    xmlns:logger="BridgeLogger"
    extension-element-prefixes="logger">

    <xalan:component prefix="logger" elements="debug info warning
error">
        <xalan:script lang="java" class="xalan://ch.e2e.bridge.
server.xslt.XSLTXalanLogger"/>
    </xalan:component>

    <xsl:template match="/">
        <logger:info code="XSLT_01" message="Starting script
myXalanScript.xsl"/>
    </xsl:template>

</xsl:stylesheet>

```