



Tivoli Software Group

AVKS Education

Integration Framework

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Tivoli Software Group

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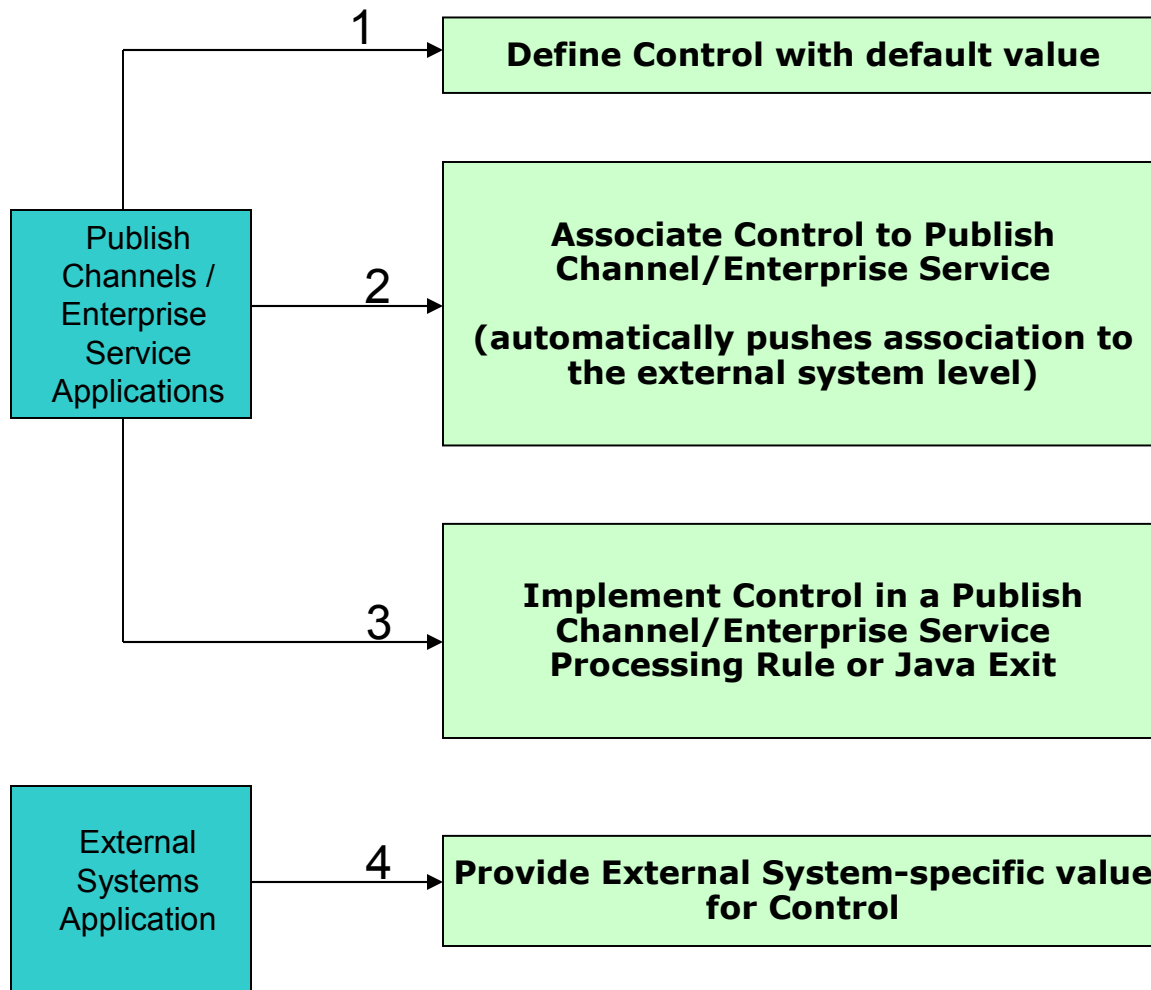
Agenda

1. Integration Controls

2. Collaboration Controls

3. XSL

Integration Controls – Drive integration processing behaviour through the setting of configurable values (not hard-coded). Can be used for filtering integration messages or conditionally setting values in an integration message



Collaboration Switches

MXCOLLAB table – Thru configuration, allows the [bypass](#) of some normal processing based on object and/or transaction ownership

IVMATCH - Invoice Match

RC - Allow Receipts

PCID	OWNER1SYSID	OWNER2SYSID	PCVALUE
IVMATCH	EXT	EXT	1
IVMATCH	EXT	THISMX	0
IVMATCH	THISMX	EXT	1
RC	EXT	EXT	0
RC	EXT	THISMX	0
RC	THISMX	EXT	1

3 Rows per Control ID (PCID)

- Control Values:

1=Yes, bypass processing logic

0= No, do not bypass processing logic

- For some controls not all rows apply

- No Row created for THISMX – THISMX

default processing, behaves as if control value is 0

Collaboration Switches

IVMATCH – Invoice Match – controls whether invoice matching is validated and variance transactions are created.

No Variance

PO Receipt of 1 @ \$12

Receipt GL (Matrectrans) for \$12

Invoice of 1 @\$12

Invoice GL (Invoicetrans) for \$12

Variance

PO Receipt of 1 @ \$12

Receipt GL (Matrectrans) for \$12

Invoice of 1 @\$13

Invoice GL (Invoicetrans) for \$12

Invoice Variance GL (Matrectrans) for \$1

↑
IVMATCH controls creation of the variance transaction

SAP adapter – Invoicing done in SAP and all variance transactions generated there. When invoice sent to Maximo to update WO, no variance calculated. SAP will send variance transactions to Maximo separately.

Collaboration Switches

IVMATCH – Invoice Match – controls whether invoice matching is validated and variance transactions are created.

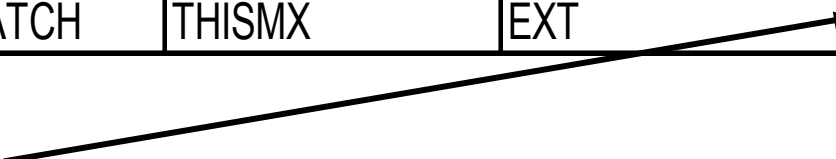
Invoice processing will determine the value of OWNER1SYSID/OWNER2SYSID and find the Control Value (PCVALUE) and use that during processing of invoice to determine if invoice variance transactions are created or not.

PCID - IVMATCH

OWNER1SYSID - hardcoded to THISMX

OWNER2SYSID - from Invoice OWNERSYSID column

PCID	OWNER1SYSID	OWNER2SYSID	PCVALUE
IVMATCH	EXT	EXT	1
IVMATCH	EXT	THISMX	0
IVMATCH	THISMX	EXT	1



Value of 1 means 'bypass' normal processing – no variance transaction created

Collaboration Switches

OWNERSYSID column – defined in Maximo base tables and included in integration message schemas

Maximo – defined through MAXVAR: MXSYSID with default value of MX

THISMX = MX, null, THISMX

EXT = EXT or any value other than MX, null, THISMX

You can add additional rows for your individual external systems as needed (restart of server is need when mxcollab values are updated):

PCID	OWNER1SYSID	OWNER2SYSID	PCVALUE
IVMATCH	EXT	EXT	1
IVMATCH	EXT	THISMX	0
IVMATCH	THISMX	EXT	1
IVMATCH	THISMX	ORA	0
IVMATCH	THISMX	SAP	1

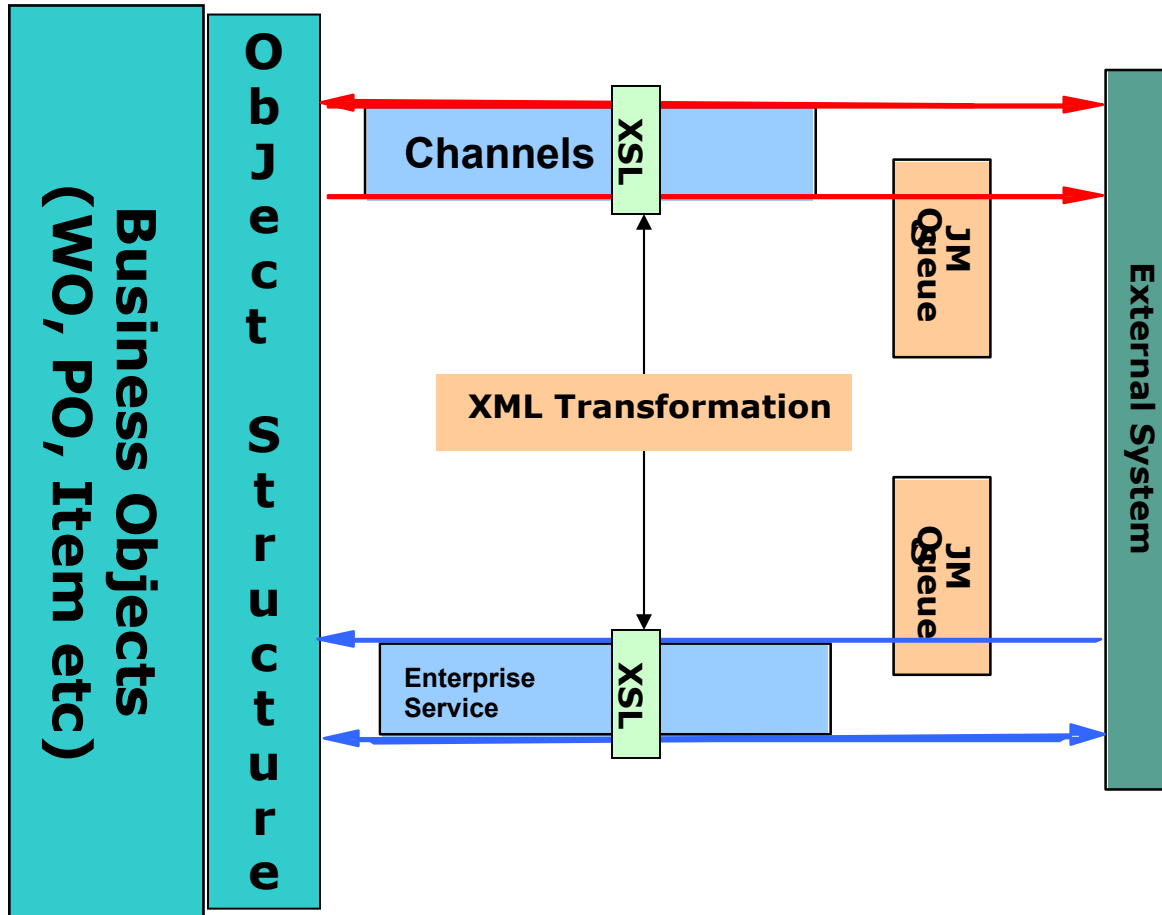
XSL

eXtensible Stylesheet Language

XSL is a language for expressing stylesheets.

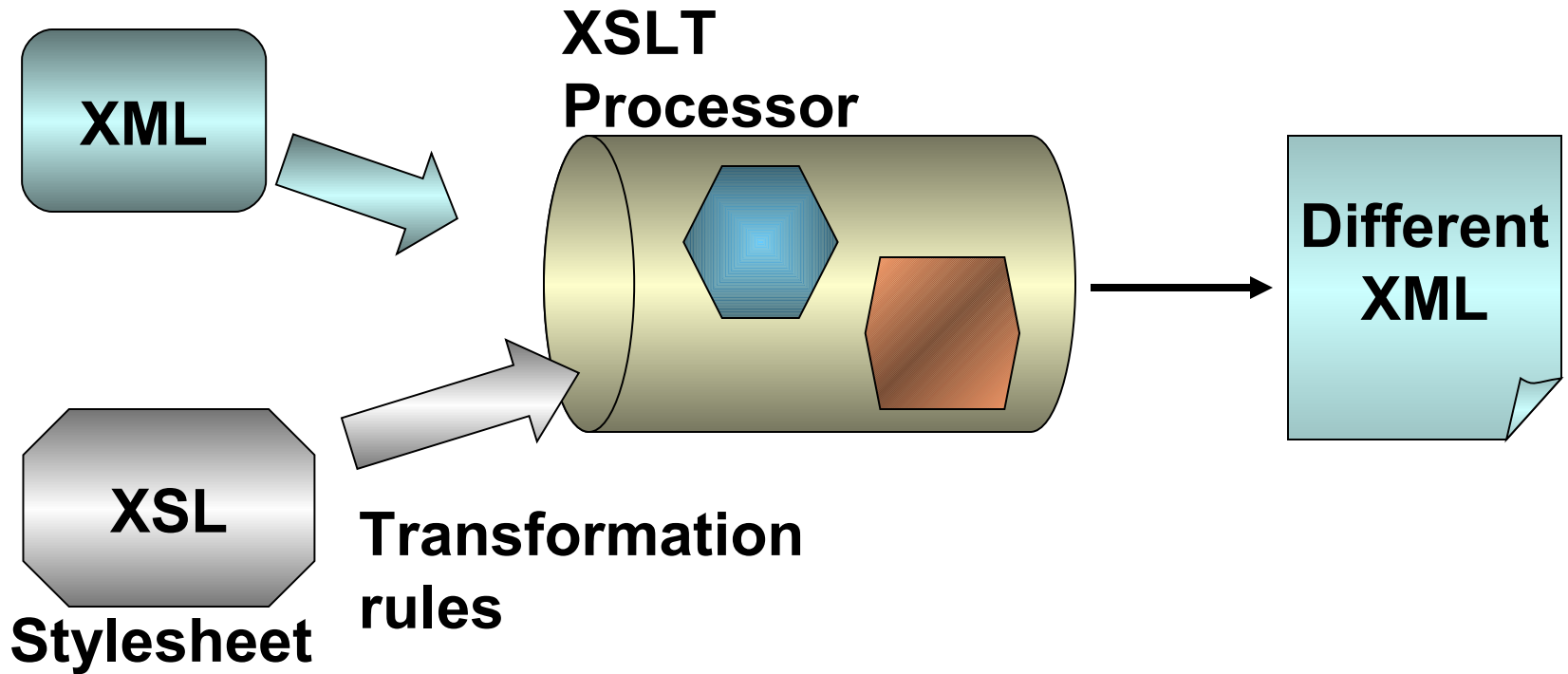
XSL is a family of recommendations for defining XML document transformation and presentation.

Integration Framework



XSL file can be part of the Application EAR file or a file path accessible by the Maximo server

XSL Transformation



XSLT is interpreted by the processor that performs the formatting task

Learn XSL

learn xsl - Google Search - Windows Internet Explorer provided by IBM

http://www.google.com/search?q=learn+XSL&sourceid=ie7&rls=com.microsoft:en-US&ie=utf8&oe=utf8

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XSLT stands for XSL Transformations. In this tutorial you will learn how to use XSLT to transform XML documents into other formats, like XHTML. ...
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This Tutorial is About XSLT. The rest of this tutorial is about XSLT - the ...

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www.w3schools.com/xslfo/default.asp - Cached
XSL-FO stands for Extensible Stylesheet Language Formatting Objects. XSL-FO ...

[Introduction to XSL - XSL, XSLT, XPath, and XSL Formatting Objects](#)
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When people start learning XSL they often move straight from XML to XSLT and avoid the formatting elements completely. But in some ways, this was why XSL ...

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[Learn XSL by Example](#)
www.stylusstudio.com/.../2006_04_21_an_introduction_to_xslt.htm... - Cached
Apr 20, 2006 - New online video tutorial covers XSL stylesheet development using Stylus Studio.

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