

# Web Tools Platform Incubator XSL 0.5 Release Review

Pre-1.0 Release Review Materials  
August 13, 2008  
Prepared by David Williams and XSL team

## Table of Contents

Introduction and Purpose.....	2
History.....	2
Project and Component Organization.....	2
WTP XSL 0.5 Goals.....	4
Noteworthy Features added for this release.....	5
[need bulleted list here].....	5
Non-Code Aspects.....	6
Developer and API Documentation.....	6
End-User Documentation and Examples.....	6
APIs.....	7
Quality (Bugzilla).....	8
Standards.....	9
W3C and OASIS standards [need xsl list here].....	9
UI Usability.....	10
Schedule.....	11
Communities.....	12
Committers and Contributors.....	12
End-User Community.....	12
Adopter Community.....	12
IP Issues.....	13
IP Checks.....	13
IP Log and Documentation.....	13
Appendix 1: Snapshot of Web Tools Platform Project IP Log [need to redo and update].....	14

## Introduction and Purpose

This document is to fulfill the requirements of the [Eclipse Release Review](#)<sup>1</sup> for WTP XSL 0.5 planned for release on August 20<sup>th</sup>, 2008.

### History

The Eclipse XSL component was originally proposed in November of 2007. See the [original mailing list post](#) and the [original XSL proposal](#).

### Project and Component Organization

The XSL component is one of the components of the WTP Incubating Project, which itself is a sub-project of the Web Tools Platform project.

WTP

Below is the list of current WTP projects and project leads as of July, 2008.

Project	Lead
Common: tools and infrastructure not directly related to web tools, but required by Web Tools Platform	Konstantin Komissarchik, BEA
Dali (JPA Tools): infrastructure and tools for JPA applications	Neil Hauge, Oracle
EJB Tools: EJB creation wizards, preferences, future annotation tools	Kaloyan Raev, SAP
Java EE Tools: Common Project Infrastructure, JEE models, preferences, classpath model, publish api, refactoring	Chuck Bridgham, IBM
JSF Tools: infrastructure and tools for Java Server Faces.	Raghu Srinivasan, Oracle
Server Tools: tools and infrastructure to define and interact with servers.	Tim Deboer, IBM
Source Editing: xml, dtd, xsd (and sse infrastructure) html, css, javascript, jsp	Nitin Dahyabhai, IBM
Web Services: Web services wizards and frameworks, Axis1 & Axis2 support, Web Services Explorer, WSDL Editor	Kathy Chan, IBM
Release Engineering: contains the code and scripts to do builds, various tests, API scans, etc.	David Williams, IBM
WTP Incubator: a general purpose incubation project other WTP Projects to use when incubation is desired.	David Williams, IBM
ATF (incubating): infrastructure and tools for AJAX	Philippe Ombredanne, nexB
Datatools (RDB): tools for working with databases. Primarily moved to DTP, but the quiescent sub-project of WTP is doing 1.5 maintenance	Der Ping Chou, IBM

<sup>1</sup> [http://www.eclipse.org/projects/dev\\_process/release-review.php](http://www.eclipse.org/projects/dev_process/release-review.php)

### WTP PMC Organization

Our Project Management Committee, as of July, 2008, is made up of 6 members, each having a WTP-wide management role, in addition to what ever project-specific roles they have. In the execution of their tasks within these roles, the PMC members will form groups, organize meetings, etc., to accomplish their goals. In other words, they don't do all the work ... they just manage it!

<b>Member</b>	<b>Role</b>
David Williams, IBM	PMC Lead, and Planning Role
Tim Deboer, IBM	Architecture
Neil Hauge, Oracle	Quality
Kaloyan Raev, SAP	User Experience
Raghu Srinivasan, Oracle	Requirements
Naci Dai, Eteration	Education

### WTP Incubating Project

The WTP Incubating project was initially formed with all the WTP Project leads as seed committers, so they could monitor, mentor, and govern the incubating components. Each incubating component must be aligned with one of the main sub-projects in WTP and in this case, XSL is affiliated with the Source Editing subproject. This affiliation primarily is required to make sure our incubating projects stay in scope of WTP, but secondarily to decide in advance where its likely home would be once the component graduates.

### XSL Component

While technically, all WTP Incubating committers are committers on any sub-component of the incubating project, in practice, there are component teams that do the work. For the XSL component, this is team is:

Doug Satchwell	Lead
David Carver	
Jesper Steen Møller	

## **WTP XSL 0.5 Goals**

The primary goal of the 0.5 release is to provide a stable release, with all the main functionality working. This is partially to encourage end-users to take advantage of XSL in Eclipse, and open bugs and enhancement requests for the eventual 1.0 release. It is also to allow adopters to make use of this release in their own releases. While those adopters know (and have to live with) the risk that it is still an incubating project, it is at least an IP clean release of code that can be counted on to “stay around” for some length of time (unlike a milestone, which is deleted once there is a release).

## Noteworthy Features added for this release

We document all our [new and noteworthy items](#)<sup>2</sup> for each milestone, for every release. The following summarizes the functionality provided with this release.

- XSLT Debugging using Xalan 2.7.1 or higher – Allows for the debugging of XSL files using the eclipse debug framework. Users can set break points and view variables and nodes.
- XML Perspective – Working with XML only projects is not necessarily the same as working on Web Projects or JEE projects. The XML perspective provides the views and necessary shortcuts that are most commonly used with XML projects.
- XSLT Launch and Debug configurations – The user has the ability to create Launch and Debug scenarios for XSL. This allows for easier execution of XSL transformations. Users have the ability to pass variables, execute transformations in a pipeline (I.e. execute XSL 1, XSL 2, XSL 3, XSL 4, passing the output of the first transformation to the second).
- XSLT Aware XML Editor – the XSL Tools extends the existing WTP XML editor to provide XSL specific functionality. It provides awareness of XSL 1.0 or XSL 2.0 stylesheets and loads the appropriate grammar for validation. Content assistance is available for select and test attributes for Xpath expression completion.
- XSLT and Xpath validation – The XSL Tools leverages the WTP 3.0 Validation framework to provide as you type validation as well as Batch validation using the existing Validation Framework and builders.
- Xpath View and Xpath navigator – Two views are available for the user to use Xpath to navigate a particular XML document. Xpath View allows for navigation of the currently active editor, where as the Xpath Navigator View takes a particular XML document as input and provides querying ability using the Xpath 1.0 language.
- XSLT New File Wizard – Allows for the creation of XSL specific files based on XSL Templates defined in the Preference pages. Users can add new XSL Templates that can be made available to the wizard.
- XSLT Processor Invoker and Debugger Extension Points – Adopters can add their own specific XSLT processors and debugging support. By implementing the XSLT debugging interfaces, adopters can add support for their own processors within the XSL Tools.
- Xinclude ANT Task – An xinclude ant task has been included to allow for the batch execution of Xinclude processing. Xinclude allows you to combine multiple XML files into one file. It uses and Xpath extension language called Xpointer. It is commonly used in DITA and DocBook authoring scenarios.
- Xpath Templates – The XSL Tools project includes templates for content assistance for Xpath 1.0 for axis, operations, and functions. It also includes placeholders for Xpath 2.0 and EXSLT extensions.

---

<sup>2</sup> [http://wiki.eclipse.org/XSLT\\_Project/NewAndNoteWorthy](http://wiki.eclipse.org/XSLT_Project/NewAndNoteWorthy)

## **Non-Code Aspects**

### **Developer and API Documentation**

- Developer SDK Documentatin for API on Xpath View, and XSLT Debugging.
- Adopters can use the standard org.eclipse.text.templates extension point to contribute additional templates to both XSLT and Xpath.

### **End-User Documentation and Examples**

- The XSLT end user documentation is included for the Preference Pages and XSLT Editing.
- Basic documentation is in place for the Launch and Debugging support.

## APIs

In general we provide APIs according to [Eclipse Quality API standards](http://www.eclipse.org/projects/dev_process/eclipse-quality.php)<sup>3</sup>. But, in this 0.5 release, not too much attention has been given to APIs. This will receive more attention after the 0.5 release.

---

<sup>3</sup> [http://www.eclipse.org/projects/dev\\_process/eclipse-quality.php](http://www.eclipse.org/projects/dev_process/eclipse-quality.php)

## Quality (Bugzilla)

Bugzilla statistics

The statistics in this table reflect activity since the project started:

Bugs opened	131
Bugs resolved	94
Fixed	82
Wontfix	4
Duplicate	5
Not Eclipse	1



## **Standards**

### **W3C and OASIS standards**

- XSLT 1.0, XSLT 2.0
- Xinclude 1.0

## UI Usability

We are familiar with, and follow, the [Eclipse User Interface Guidelines](#) .<sup>4</sup>

We have participated in a UI walk through, prior to this release.

- [XSL Tools User Preferences Walkthrough - July 23, 2008](#)

---

<sup>4</sup> [http://wiki.eclipse.org/index.php/User\\_Interface\\_Guidelines](http://wiki.eclipse.org/index.php/User_Interface_Guidelines)

## **Schedule**

XSL 0.5 has had 9 predictable milestones, each shortly after WTP milestones.

# Communities

## Committers and Contributors

There a number of active committers from several companies (including individuals, not affiliated with a member company).

- Committer elections and removals have followed charter principles
- Continuing to recruit additional contributors (organizations and individuals)
- Open communications via mailing lists and newsgroups: wtp-pmc, wtp-dev, wtp-releng, wtp-incubating-dev.

Open and inclusive release planning and tracking processes

- Bugzilla used to request and track all defects, enhancements, and milestone plans
- Additional reports (defect summaries, test stats, etc) used to enhance planning / tracking

All contributions made directly to Eclipse CVS

- Nightly, weekly integration builds, and release builds available to the community

Leverage other open source technologies in the project

## End-User Community

Substantial download activity for milestones and releases

- [need to query to find out]

Substantial website content

- Download links, New & Noteworthy, mailing lists, presentation DB
- Tutorials, documentation, presentation summary,
  - Doug Satchwell has written an article and submitted to the Eclipse Corner for possible publication.
  - David Carver has written an article on Authoring with Eclipse that uses XSL Tools for the publishing portion of DocBook related content.

Evangelism and outreach in the market & broader community

- David Carver an XSL Tools Committer has several blog postings available at his blog.
  - [Http://intellectualcramps.blogspot.com/](http://intellectualcramps.blogspot.com/)
- David Carver attend EclipseCon 2008 and discussed with various parties their about the XSL Tools project.

## Adopter Community

Known adopters

- STAR - Standards for Technology in Automotive Retail is an XML Business to Business Standards Organization developing B2B standards for the Automotive, Marine, Powersports, and Heavy Duty truck industries. STAR has a member XML IDE. STAR will be releasing it's latest version of the STAR Workbench in October which will use Eclipse 3.4, Web Standard Tools 3.0, and the XSL Tools incubator to provide a XML IDE to it's members.

## IP Issues

### IP Checks

Component Lead has proof-read, double checked and confirmed the following:

- About files and use licenses are in place as per the Guidelines to Legal Documentation.
- All contributions (code, documentation, images, etc) has been committed by individuals who are either Members of the Foundation, or have signed the appropriate Committer Agreement. In either case, these are individuals who have signed, and are abiding by, the Eclipse IP Policy.
- All significant contributions have been reviewed by the Foundation's legal staff. Include references to the IPZilla numbers of all clearances.
- All non-Committer code contributions, including third-party libraries, have been documented in the release and reviewed by the Foundation's legal staff. Include references to the IPZilla numbers of all clearances.
- All Contribution Questionnaires have been completed
- The "provider" field of each feature is set to "Eclipse.org"
- The "copyright" field of each feature is set to the copyright owner (the Eclipse Foundation is rarely the copyright owner).
- Any third-party logos or trademarks included in the distribution (icons, help file logos, etc) have been licensed under the EPL.
- Any fonts or similar third-party images included in the distribution (e.g. in PDF or EPS files) have been licensed under the EPL.

### IP Log and Documentation

Our [Project IP log](#)<sup>5</sup> is complete and has been reviewed by Eclipse Legal. It includes:

- A list of third party software distributed with WTP, including information on the license and a link to the WTP CQ.
- The name of every committer for this release
- The name of every non-commmitter who contributed code via Bugzilla entries, with bug numbers.

One thing that is new in the IP Log this year is a detailed description of our dependencies on third party software that is not re-distributed with WTP. In summary:

- Users can install different XSL engines, such as Saxon 2.0.

Appendix 1 contains a static snapshot of our IP Log at the end of the release (and, this is the same version that was sent to EMO Legal staff earlier, in a separate note.)

A zip file of all about.html files and non-standard (but approved) licenses was also sent to the Eclipse Foundation legal staff for review, in a separate note but is not included here (the information is, after all, available in our distributed code).

---

<sup>5</sup> [http://www.eclipse.org/webtools/iprelated/ip\\_log.php](http://www.eclipse.org/webtools/iprelated/ip_log.php)

## Appendix 1: Snapshot of Web Tools Platform Project IP Log [need to redo and update]

This log is specifically for WTP Version 3 (Ganymede Release) and related activity during 2007-2008 development cycle. Please see [previous IP log](#) for complete history and information specific to earlier versions.

This is the "flat" version of the ip log, suitable for printing or archiving for a given release.

There are 4 main sections of information:

1. A static, snapshot list of committers for this release
2. A static list of all EPL contributions from non-committers.
3. The list of third party code distributed with this release.
4. A description of other third party dependencies which are not shipped with WTP but which users can make use of, if present

Date of Committers Query: Fri, 16 May 2008 02:21:24 EDT

### Committer List

Most of the code in WTP, of course, comes from the dedicated work of the WTP Committers. The current, dynamically updated list of Committers and sub-project teams are always available in the [Eclipse Portals Eclipse Web Tools Platform Project](#). The following is a static snapshot of those committers that have contributed to this release.

### Committers in Projects that are releasing code

WTP Incubator Project

Name	Email	cvs id
David Williams	david_williams{at}us.ibm.com	david_williams
Konstantin Komissarchik	kosta{at}bea.com	kkomissarchik
Timothy Deboer	deboer{at}ca.ibm.com	deboer
Kathy Chan	kathy{at}ca.ibm.com	kchan
Naci Dai	naci.dai{at}eteration.com	ndai
Raghunathan Srinivasan	raghunathan.srinivasan{at}oracle.com	rsrinivasan
Chuck Bridgham	cbridgha{at}us.ibm.com	cbridgha
Nitin Dahyabhai	nitind{at}us.ibm.com	nitind
Neil Hauge	neil.hauge{at}oracle.com	nhaug
Jesper Moller	jesper{at}selskabet.org	jmoller
David Carver	d_a_carver{at}yahoo.com	dacarver
Doug Satchwell	doug.satchwell{at}btinternet.com	dsatchwel
lars gersmann	lars.gersmann{at}gmail.com	lgersmann

Kiril Mitov	k.mitov{at}sap.com	kmitov
Cameron Bateman	cameron.bateman{at}oracle.com	cbateman

#### Contributions from non-committers

In addition to the code contributed by committers, there are a number of contributions from non-committers. We receive these contributions as bugzilla attachments and they are contributed as EPL.

These bugzilla entries are those marked with the keyword 'contributed', marked as fixed within this release.

Note: the 'Total Lines' is literally the number of new line characters in the patch. The 'Added Lines' (often more significant when it comes to matters of IP) is the number of lines with a '+' in front of them, which is the tell tale sign used by patch formats to indicate new lines in the patch. In both cases, take these numbers as quick approximations. There are a number of cases that are known to be inaccurate with the current algorithm, such as cases where some lines are 'moved', thus resulting in a lot of '-' and '+' signs, even though not that much has changed.

Date of this Contributions Query: Fri, 16 May 2008 02:10:40 EDT

Web tools

### Third Party Code Redistributed with WTP

As with any other large software project, not all the code in WTP is new, but some comes from other, third party sources. The following table lists the third party software that is distributed with WTP. Please see the Contribution Questionnaire (CQ) links for details.

Third Party Code Redistributed with WTP

Software	Version	License	Introduced in Version	Notes
Axis	1.4 ( <a href="#">CQ 1374</a> )	Apache License, 2.0	2.0	
Commons discovery	0.2 ( <a href="#">CQ 1377</a> )	Apache License, 2.0	0.7	
Commons logging	1.0.4 ( <a href="#">CQ 223</a> )	Apache License, 2.0	1.0	
JAX-RPC	1.1 ( <a href="#">CQ 286</a> )	Apache License, 2.0	0.7	Part of Axis.
log4j	1.2.13 ( <a href="#">CQ 1593</a> )	Apache License, 2.0	2.0	
Axis-Ant	1.2.1 ( <a href="#">CQ 1375</a> )	Apache License, 2.0	0.7	
SOAP (from Axis)	1.2 ( <a href="#">CQ 1379</a> )	Apache License, 2.0	2.0	This was listed as "saaj.jar" in previous IP Logs. It is now a bundle (from Orbit) called javax.xml.soap.

Cactus	1.7.2 ( <a href="#">CQ 212</a> )	Apache License, 2.0	1.5	Includes cactus-1.7.2 (the one for J2EE 1.3), aspectjrt-1.2.1, commons-logging-1.0.4, and commons-httpclient-2.0.2 jars, and junit 3.8.1
wsdl4j	1.4 ( <a href="#">CQ 327</a> )	Common Public License 1.0	0.7	includes "qname.jar"
	1.5.1 ( <a href="#">CQ 1380</a> )	Common Public License 1.0	2.0	WSDL 1.5.1 is distributed as part of Axis 1.4
wsil4j	1.0 ( <a href="#">CQ 330</a> )	Apache License, 1.1	0.7	
Xerces	2.9.0 ( <a href="#">CQ 1148</a> )	Apache License, 2.0	3.0	Introduced in WTP 3.0 as four plugins: <ul style="list-style-type: none"> <li>• javax.xml(1.3.4)</li> <li>• org.apache.xml.resolver (1.2.0)</li> <li>• org.apache.xml.serializer (2.7.1)</li> <li>• org.apache.xerces (2.9.0)</li> </ul>
uddi4j	2.0.5 ( <a href="#">CQ 321</a> )	IBM Public License	1.5.1	
http.xsd	WSDL 1.1 ( <a href="#">CQ 275</a> )	IBM, Microsoft	1.0	
soap.xsd	WSDL 1.1 ( <a href="#">CQ 319</a> )	IBM, Microsoft	1.0	
soapenc.xsd	WSDL 1.1 ( <a href="#">CQ 320</a> )	W3C	0.7	
wsdl.xsd	WSDL 1.1 ( <a href="#">CQ 325</a> )	IBM, Microsoft	1.0	
wsdl20.xsd	1.2 ( <a href="#">CQ 326</a> )	W3C license	1.0	
wsdl-mime.xsd	WSDL 1.1 ( <a href="#">CQ 329</a> )	IBM, Microsoft	1.0	
XHTML	1.0, 1.1 ( <a href="#">CQ 331</a> )	W3C license	1.0	



WAP DTDs	1.1, 1.3 ( <a href="#">CQ 324</a> )	OMA/EPL	1.0	Distributed under EPL 1.0. See <a href="#">Note 1</a> for email clarifying status of WAP Schemas and DTDs.
JavaServer Faces Schemas and DTDs	1.1, 1.2 ( <a href="#">CQ 1506</a> )	CDDL	2.0	
JEE Related Schemas and DTDs	1.2, 2.0 ( <a href="#">CQ 4</a> )	CDDL	2.0	
org.apache.commons.codec	1.3 ( <a href="#">CQ 1562</a> )	Apache License, 2.0		Not currently re-distributed, perhaps will be for service
JPA API XML Schemas (persistence.xsd and orm.xsd)	1.0 ( <a href="#">CQ 1829</a> )	CDDL	3.0	Currently packaged in the "jst.standard.schemas" bundle.
Java Persistence API	1.0 ( <a href="#">CQ 1889</a> )	CDDL	3.0	javax.persistence interfaces; used by Dali JPA Tools
javax.mail (from Apache Geronimo)	1.4 ( <a href="#">CQ 2059</a> )	Apache License, 2.0	3.0	This is a minor pre-req, just required by Axis (not used directly).
javax.activation (from Apache Geronimo)	1.1 ( <a href="#">CQ 2060</a> )	Apache License, 2.0	3.0	This is a minor pre-req, just required by Axis (not used directly).
Xerces	2.9.1 ( <a href="#">CQ 1984</a> )	Apache License, 2.0	na	This is not currently distributed, but may be for service.
html dtds Version: 4.0.1	4.0.1 ( <a href="#">CQ 2139</a> )	W3C License	3.0	part of wst.standard.schemas plugin
JXPath	1.2.0 ( <a href="#">CQ 2285</a> )	Apache 2.0 License	0.5	This is distributed from orbit.
XSLT 1.0	1.0 ( <a href="#">CQ 1749</a> )	W3C	0.5	Part of org.eclipse.wst.xsl.core
XSLT 2.0	1.0 ( <a href="#">CQ 1750</a> )	W3C	0.5	Part of org.eclipse.wst.xsl.core
Xinclude	( <a href="#">CQ 2232</a> )	W3C	0.5	Part of org.eclipse.wst.xsl.core
Xalan 2.7.1	( <a href="#">CQ 1985</a> )	Apache License, 2.0	0.5	This is distributed from orbit.

## Other Third Party Dependancies

This document is to list and describe relationships with third party software which WTP depends on or works with. For background context, see [Eclipse Policy and Procedure for Third Party Dependancies](#).

**Note: Where we list available third party software in this document, we do so only to demonstrate there are many choices for end-users. We do not mean to say those are the only available options nor do we advocate the use of any particular one.**