Web Tools Platform (WTP) 3.0

for the Ganymede Simultaneous Release Review

Full Release Review Materials
June 4, 2008
Prepared by David Williams and sub-project leads

Table of Contents

Introduction and Purpose

This document is to fulfill the requirements of the Eclipse Release Review [1] for WTP 3.0 planned for release at the end of June, 2008.

History

The Eclipse Web Tools Platform Project was originally proposed in 2004 by ObjectWeb, IBM and others. The Eclipse Foundation creation review was in June, 2004 with full time development since October, 2004. The original code contributions were from IBM and Eteration ("ObjectWeb Lomboz"). Since then several other large contributors have joined the effort, including SAS, BEA, Oracle and SAP, and others and several new subprojects formed, such as Dali and JSF.

Previous Releases

- WTP 0.7 July, 2005 and subsequent 0.7.1
- WTP 1.0 December 2005 and subsequent 1.0.1, 1.0.2, 1.0.3
- WTP 1.5 June, 2006 and subsequent 1.5.1, 1.5.2, 1.5.3, 1.5.4, 1.5.5
- WTP 2.0 June, 2007 and subsequent 2.0.1, 2.0.2

Project Organization

In the original charter, WTP was organized as two sub-projects (WST and JST) with some being added later (JSF, Dali, and ATF (incubating) but this year it was reorganized into more sub-projects primarily to help emphasize more of a team-oriented focus, instead of an architecture orientation, and a new WTP Incubator Project was added. Below is the list of current projects and project leads as of June, 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 Servcies Explorer, WSDL Editor	Kathy Chan, IBM
Release Engineering: contains the code and scripts to do builds, various tests, API scans, etc.	David Williams, IBM

1 http://www.eclipse.org/projects/dev_process/release-review.php

Project	Lead
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

PMC Organization

Our Project Management Committee, as of June, 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!

Member	Role
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 3.0 Goals and Requirements

Our Requirements Planning, Process, and Documentation is managed by Raghu Srinivasan, with substantial participation from each project lead. See Web Tools Platform 3.0 Requirements [2] for the requirements document, and see the Requirements Process and Status [3] document for an example of the process documentation and status snapshot.

We deliver a requirements document for each major release, summarizing themes, major goals, supported platforms. It is created and maintained through the Eclipse WTP Wiki

Detailed requirements, plans, and progress are tracked (mostly) via Bugzilla, with 'plan' added as a keyword.

Themes and high-level requirements are coordinated through Eclipse Requirements Council and Planning Council representation

The Requirements Planning Document is updated at the beginning of each milestone as part of our iterative development cycle.

We anticipate moving to a standard format for next release, as requested by the EMO.

2 http://wiki.eclipse.org/Web_Tools_Platform_Release_3.0_Requirements
3 http://wiki.eclipse.org/WTP_Requirements_Main

Noteworthy Features added for this release

We document all our new and noteworthy items[4] for each milestone, for every release. The following summarizes the functionality provided by each sub-project with emphasis on what's new this release.

Common Components

- Facets
  Provides a technique and UI for modeling server and runtime capabilities to associate with projects. This release moved some provisional API to be API, and usability improvements made in the UI for selecting facets for projects.
- Validation Framework
  Provides preferences and APIs to provide domain specific validation for resources and projects. Provided official API this release, instead of only provisional.
- Snippets View
- Internet Cache

Server Tools

- Support for Application Servers of several types (JEE, HTTPD)
- Configure, publish, start/stop, debug
- Supports deploy, debug, project restart on Java EE runtimes
- Generic server adapter
  - XML based configuration files for quick setup
  - Includes JOnAS, WebLogic, WebSphere, Oracle Application Server, JBoss
- Custom (Java) server adapter for total control
  - Includes Tomcat (included), Geronimo adapters (downloadable)

Source Editing

- JavaScript
  A substantial improvement in JavaScript tools and editing was made in this release. It is a complete replacement for the previous component code with it's own name, JSDT, and already offers far greater functionality than the original component was ever designed to.
- Web Language Tools
  - HTML source editor
    This release, The HTML component has much more configurable validation.
  - CSS source editor
  - JSP editor including syntax highlighting, code assist for HTML, Java, JSF, EL's, JavaScript, taglibs, JSR-45 compliant debugging
    The release, the JSP component has more configurable and thorough validation, plus improvements to its JSP 2.0 specification support.
- XML Language Tools
  - XML source editor
    This release, the XML component includes an improved formatter.
  - XSD editor - Graphical and source editing
  - DTD source editor
- Structured Source Editing (SSE) framework
  This release, Source Editing added a provisional API for Quick Fix in its editors.

4 http://www.eclipse.org/webtools/development/news/main.php

Web Service Tools

- Extensible Web Service Wizards
- Creation of servlet based Web service using Axis1 and Axis2 runtimes
- Extension points for finding, creating and testing Web service
- Integrated into Java EE Navigator
- JAX-RPC codegen
- JSR 109 deployment ready
- Web services Ant tasks
- Web Services Explorer - UDDI, WSDL and WSIL pages
- WSDL Editor - graphical and source modes, integrated with XSD Editor
- WS-I Test Tools - Validate WSDL and SOAP for WS-I compliance
- Models for Web services deployment descriptors
- Service policies

JEE Tools

- New wizards for creating Web artifacts: Servlet Filters and Application Lifecycle Listeners
- Usability enhancements in the toolbar of the Java EE perspective
- EAR 5 Bundled Libraries support
- Java EE Deployment Descriptor nodes in the Project Navigator view
- Improved Java EE classpath management/UI
- Ability to read Java EE models from binary archives
- Continuing to support and improve:
    - Java EE Core Models and Model Provider Framework
    - Natures and Builders
    - Java EE Views and Navigators
    - Java EE Projects and Modules
    - Support for WAR, EJB-JAR, EAR, etc
    - Java EE Navigator view
    - Ability to target on different servers

EJB Tools

- New this release: New wizards for creating EJB 3.0 artifacts: Session Beans and Message-Driven Beans
- JavaDoc Annotation Support (planning to remove next release, since now supported by Java language)

JSF Tools

- New this release:
    - Support for alternate view description language for JSF
    - Support for Apache MyFaces Trinidad components
- Continuing to support and improve:
    - Web Page Editor
        - Multi-page Editor
        - Visual JSF-JSP Page Designer
        - Support for JSF RI components
        - Extensibility framework to simplify adding support for other component libraries
        - Preview Page
    - Enhanced Source Editor gives content assists and provides both syntax and semantic validations
    - JSF Validation
    - Faces Configuration Model, Editor and Wizards
        - Multi-page Editor
        - Graphical diagram editor for navigational rules
        - EMF model of the application configuration resource file
    - JSF Library Registry
        - Manage a named collection of JARs including tag libraries, JSF reference implementations and utility jars
        - Extensible Frameworks
        - Design-time Meta-data Framework
        - Design-time Tag Processor
        - Design-time Application Manager
    - JSF Application Configuration Manager
        - Support for JavaServer Faces 1.1 and 1.2 versions

Dali

- New this release:
    - Added provisional API for JPA model
    - Extensible persistence.xml Editor
    - Additional persistence configuration
    - Named Query support
    - Support for IdClass
    - Generators on Entity (Type) level
    - Complete table and column definition where applicable
    - Project Explorer Content for JPA projects
    - Support for adding JPA functionality to a Java project
    - Added optional feature to support EclipseLink
    - New XML Mapping File wizard
    - New Entity Wizard
- Continuing to support and improve:
    - Support for Java Persistence APIs (JPA)
    - WTP (Facet) integration
    - DTP Integration
    - XML Mapping Descriptor editing support (JPA1.0 orm.xml)
    - Annotated Java and ORM XML context based defaulting
    - Enhanced validation for JPA
    - Table/Column annotation value code completion
    - DDL Generation extension
    - Entity Generation extension

Non-Code Aspects

Developer and API Documentation

Project-wide architectural overview (website)

- Describes nature and relationship of components
- Presentations and tutorials provide drill down on selected topics (such as server definition)

Component overview (website)

- Describes operation of an individual component and relationships among its parts, lifecycle issues, and other emergent properties of component

JavaDoc Package documentation

- Describes contents and inter-relationship of package contents

Per-file JavaDoc

- Conventional JavaDoc guidelines apply; scope is the class/interface being documented and its immediate surface area

Extension point documentation

- Provided with and as part of the API and JavaDoc documentation.

End-User Documentation and Examples

- WTP 3.0 downloads and installations includes end-user documentation. Additionally, this same documentation will be available on the internet, via an Eclipse info-center provided by the Eclipse Foundation (which will be similar to the Europa version[5]).
- Tutorials and presentation materials available on our WTP Project website [6] .Note: some updates will need to be made to some of the older tutorial materials, which may occur after our release at the end of June, and for which we hope to get community contributions as they find outdated material.
- Includes copies of conference presentations (EclipseCon, JavaOne, EclipseWorld), articles, etc.
- Two known books: Pro Eclipse JST, Eclipse Web Tools Platform

5 http://help.eclipse.org/help33/index.jsp

6 http://www.eclipse.org/webtools

APIs

In general we provide APIs according to Eclipse Quality API standards [7]. But, we are aware that we (WTP) still do not provide enough APIs and still have too large a “provisional debt”.

We have, this release though, published a new API Policy [8] document that describes how we protect some non-API so that adopters can invest with some assurance of continuity, but also detail the limits to that policy, so that eventually we can provide complete API.

Another policy change this release which received a lot of discussion was our Policy on Package Visibility [9]. While there is controversy about this policy, it was requested by committers to not have an absolute policy requiring visibility but to allow them to use it as a design principle, just like 'protected', 'private', 'final', etc. Adopters should “adopt early and adopt often” and file bugs if package visibility impacts them.

7 http://www.eclipse.org/projects/dev_process/eclipse-quality.php
8 http://wiki.eclipse.org/WTP_API_Policy
9 http://wiki.eclipse.org/WTP_Policy_on_Package_Visibility

Architectural Issues

- Tim Deboer manages WTP Architecture for this release, and has periodically held work-group meetings [10] to discuss and decide specific architectural.
- We still have several cases where we rely on non-API from the Eclipse Platform and JDT, this will be addressed in future releases.

10 http://wiki.eclipse.org/WTP_Architecture_Working_Group

Tool Usability

WTP provides a lot of functionality to web developers as indicated by the number of downloads and the traffic on the webtools newsgroup.

It does emphasize Java based web development, even though it has some tools for pure HTML, CSS and JavaScript development. We hope there will be more improvement (and contributions) in the Web 2.0 area in future releases, such as through the ATF incubating project.

It also has a reputation for being more oriented towards “technical” web developers, rather than new or novice users. One recent development that may improve that reputation in the long term (if not the next release) is that Kaloyan Raev has volunteered to manage the PMC role of “User Experience” .[11]

Another way we contribute to the overall usefulness experience to Eclipse end-users is to participate in the EPP packaging project, by “owning” the JEE Developers IDE package. While we admittedly have not done as much in this area as we would have liked, we did expand the JEE Developers IDE to include RSE (Remote System Explorer) this release since it provides SSH/SFTP access to servers, which many web developers need in the course of their work.

11 http://wiki.eclipse.org/WTP_User_Experience_Lead

Simultaneous Release Checklist

Must Do

These are *required* for participation:

1. ✔ The projects must work together. This means that one should be able to load any subset of the Ganymede projects into Eclipse and each of the loaded projects should be able to pass all the same tests as if it had been loaded independently.
2. ✔ Projects must have build process maturity and their own functional project update site - the Ganymede site will reference these sites, not replace them.
3. ✔ Projects must use 4-part version numbers.
4. ✔ Any new (new during Ganymede) third-party plug-ins that are common between projects must be consumed via Orbit; the final Ganymede release will not have duplicate third-party libraries (note that this only applies to identical versions of the libraries; thus if project A requires foo.jar 1.6 and project B uses foo.jar 1.7, that's ok).
5. ✔ All plug-ins (bundles) must use the true bundle form. That is, provide a manifest.mf file, and not rely on the plugin.xml file being 'translated' into a manifest.mf file at initial startup. See bug 130598.
6. ✔ All plug-ins must correctly list their required JVM versions in the manifest.mf. See the wiki page about selecting the correct JVM [1].
7. ✔ Project representatives must attend the planning meetings and conference calls - you have to be involved to be involved. A few misses are ok, but chronic lack of attendance is a no-no.
8. ✔ At least one person from each project must subscribe to cross-project bug inbox, i.e. edit Bugzilla prefs to watch "cross-project.inbox@eclipse.org"
9. ✔ Build team members from each project will provide communication channels: phone, mail, IM, IRC and will be available during *to-be-specified* crucial integration times
10. ✔ Projects must have stated and demonstrated their intent to join Ganymede by the M4+0 date. Projects do so by adding themselves to the table/list above and to the Ganymede common build infrastructure.
11. ✔ Projects must have a written ramp down policy by M6+0. (One of the issues identified with this guideline is that its not so much the ramp down policy of how many votes are needed for each bug fix that we need to be consistent on, but rather the meaning of each of the milestones and release candidates. Here [2] is the Platform 3.2 ramp down policy as a guideline for other projects.)
12. ✔ Projects must have their IP approved (a normal Eclipse requirement) and will follow the Eclipse Legal deadlines to do so.
13. ✔ Projects must optimize their update site using pack200 to reduce bandwidth utilization and provide a better update experience for users. Additionally, they should do site digesting.
14. ✔ Projects must use signed plugins using the Eclipse certificate. Exceptions authorized by the planning council for technical reasons.
15. ✔ Projects must have use jar'ed plug-ins unless there are technical reasons.
    - Nested jars should be avoided if possible since it creates problems for projects that has dependencies to such plug-ins. The OSGi runtime is fine with it but the compiler is not able to handle classpaths that contain nested jars.
    - In case only one nested jar exists, it is often better to expand the contents of that jar into the root folder (i.e. unnest the jar).

- If a plug-in contains large files that are frequently used (opened and closed), a jar'ed plug-in might degrade performance significantly since the file must be decompressed each time it is opened.

16. ✔ Projects must use Eclipse message bundles unless there are technical reasons not to. (see Message Bundle Conversion Tool and [3])

Should Do

These are recommended for participating projects:

1. ✔ Projects should have capabilities for their feature sets.
2. ✔ Build reproducibility? Require that projects be buildable by community members. Should be identical bits (but not required). All build assets and documentation in CVS/Subversion.
3. ✔ Non-project-team-members should be able to build each project.
4. ✔ Non-project-team-members should be able to run unit tests on each project.
5. ? Source tarballs should be created for Linux distros to build with. <need reference here, on how to do ... Kim :) > [We don't provide tarball, but Linux distros have told us, in the past, they can rebuild our stuff from cvs, using our scripts (slightly modified)].
6. ✔ Should have new & noteworthy for each milestone. Should be something readable and usable not just a static list of all the bugs. Corollary: individual new & noteworthy should be linked in to the collective New & Noteworthy.
7. ✔ Should use ICU4J when appropriate.
8. ? Should provide build RSS feeds as per the build workshop. [We provide an RSS feed, but not with standard "build workshop" format, due to no time or resource to customize it].
9. ✔ Should follow the User Interface Guidelines. The UI Checklist is a good place to start.
10. ? Should not have improper API usage, i.e., should not use non-API of other projects. [We have a few cases of internal use to platform, bugs are open. We do have a lot of "internal project" non-api use, such as when JSP uses something internal from HTML]
11. ? Should devote at least one milestone to performance and scalability improvements. [We planned for it, but didn't execute well, due to other problems, and lack of contributions.]
12. ✗ Each major project (the top-level projects except for the Tools and Technology projects where it is the sub-projects) should have a splash page icon and contribute to the welcome page. [No time or resource to contribute.]

Encouraged

We added a third, even weaker, category of recommendations:

1. ? Should participate in a User Interface Best Practices Working Group UI walkthrough. [Have not yet, but plan to before release].

Could Do

1. ✔ SDKs can be included in the Ganymede update site at the project's discretion. A best practice that was discussed would be a minimum run-time with additional sources and examples can be added via update manager or other features.

End-of-Life

- RDB tools moved to DTP in 2007. Some minor maintenance continues with RDB 1.5.5 patches (and probably will for another year or two) but RDB is not distributed with WTP 3.0.
- Common UI Properties plugin has been deprecated, since the beginning, and completely removed this release.
- Deprecated Items schedule for removal next major release:
    - XDoclet annotations support
    - Cactus unit test support
    - The old 'javascript' component (since it has been obsoleted by the JSDT component this release).

Quality (Bugzilla)

Neil Hauge manages the general, overall measurement and monitoring of our quality and bug handling.

Focused Quality Activities

In order to make sure we focused on quality of particular types, that are important to our project's health , we devoted part of each of our weekly status meetings to discussing and reducing our bug backlog in specific areas.

- First in the development cycle, we focused on very old “enhancement requests” to make sure we were not missing any long standing requests that should become part of our plan for this release.
- Next we focused on “bugs with patches attached” to make sure we were being responsive to non-committers efforts to improve parts of WTP that was important enough to them to contribute a patch.
- We also focused on reviewing older bugs that had a a severity of “Major” or higher to ensure that these potentially serious issues were being addressed, or at least correctly categorized.

Bugzilla statistics

The statistics in this table reflect overall Bugzilla entries (since project inception) with current snapshot, obtained on May 20, 2008 (5 weeks before release).

Total bugs	17217
Total Resolved/Closed bugs	14077
Total Open bugs	3140
Blocker/Critical	7
Major	206

The statistics in this table reflect activity since the previous release (for the period July 1st, 2007 to May 20, 2008)

Bugs opened	3348
Bugs resolved	3639
Fixed	2321
Invalid	201
Wontfix	486
Duplicate	358
Worksforme	245
Not Eclipse	28

We interpret these statistics as demonstrating an alive-and-well project: many bugs open, many fixed, approximately 80 per week. The fact that we reduced our backlog by “merely” 300 bugs (approximately) may not seem like much, but it is 10% (approximately) and is a huge improvement over previous years, where the backlog-debt actually grew larger instead of smaller, as it did this year.

Standards

W3C and OASIS standards

- HTML 4.01, XHTML 1.0 / 1.1, XML Catalog 1.0, CSS 2.0, ECMAScript 262
- XML 1.0, XSD 1.0, WSDL 1.1, WS-I Basic Profile 1.1
- SOAP 1.1, WS-I Attachment Profile 1.0.

JCP standards

- J2EE 1.2 / 1.3 / 1.4: Servlet, JSP, EJB, JAX-RPC, JSR109, JSR045, JSR109, JSR921
- EE5: Minimal support
- JDBC 2.1
- JSR 220: EJB 3.0
- JSR 127: JSF 1.1
- JSR 252: JSF 1.2

UI Usability

We are familiar with, and follow, the Eclipse User Interface Guidelines .[12]

We do have some contributors that often open bugs for Accessibility and National Language issues so we can fix those bugs before end-users encounter them.

We have not yet participated in a UI walk through, this release, but plan to do that soon so it can at least effect our future releases.

12 http://wiki.eclipse.org/index.php/User_Interface_Guidelines

Schedule

WTP 3.0 followed the Ganymede simultaneous release schedule, and delivered all milestones on time.

We plan to participate in simultaneous maintenance as well.

WTP may elect to deliver additional maintenance, tech preview milestones, or off-cycle releases in addition, if adopter or user requests warrant.

In addition to providing predictable milestones and releases, we also frequently “step up” to building and testing with our prerequisite software (usually weekly) so that we can find bugs early and get fixes in the platform and other prerequisite on behalf of the whole Ganymede release.

Communities

Committers and Contributors

Many active committers from several companies (including individuals)

- Committer elections and removals have followed charter principles
- Continuing to recruit additional contributors (organizations and individuals)
- http://www.eclipse.org/webtools/people/contributors.html
- Many, diverse, Contributing Organizations (current and previous): BEA, Eteration, Exadel, IBM, Innoopract, JBoss, ObjectWeb, Oracle, SAS, Thales, University of Karlsruhe, SAP, Sybase

Open communications via mailing lists and newsgroups

- Mailing lists: PMC, wtp-dev, wtp-releng, JSF, ATF, Dali,
- 3.0 plans available: http://wiki.eclipse.org/Web_Tools_Platform_Release_3.0_Requirements
- Meetings, meeting, meetings – numerous, open, and documented
- Weekly PMC, weekly dev status, requirements as needed, bi-weekly architecture
- PMC minutes available on website: http://www.eclipse.org/webtools/development/index_pmc_call_notes.php
- Weekly status telecon minutes available on website: http://wiki.eclipse.org/WTP_Development_Status_Meetings

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

Coordination/cooperation with other Eclipse projects

- Platform, JDT, DTP, TPTP, EMF, GEF, PDT

Leverage other open source technologies in the project

Foster new contributions and committers

AJAX Tooling Framework (ATF)

- Gathering additional community
- Planning technology preview milestones, perhaps mid-cycle release

WTP Incubator

- XSL Editors Tools
- Early start on JSF 2.0 (e.g. Facelet Support)
- TLD Editor

End-User Community

Substantial WTP download activity for milestones and releases

- WTP is one of the most popular downloads

Substantial website content

- Download links, New & Noteworthy, mailing lists, presentation DB
- Tutorials, documentation, presentation summary,

Evangelism and outreach in the market & broader community

- Website lists WTP events (conferences, etc.)
- Multiple commercial implementations
- Working with Eclipse and industry press to promote WTP
- Presence at EclipseCon, Eclipse World, others

Adopter Community

Many, known commercial adopters

- IBM – Rational Application Developer
- BEA – WebLogic Workshop and WebLogic Studio
- Eteration – Lomboz
- Genuitec – MyEclipse
- Innoopract – Yoxos
- Exadel – Exadel Studio
- Jboss – JBoss Developer Studio
- SAP – NetWeaver Studio
- Borland

Many Server Adapters available, another sign of diversity:

Open Source

- Apache Tomcat
- Apache Geronimo
- JBoss
- Jetty
- ObjectWeb JONAS
- Glassfish

Commercial

- IBM WebSphere
- Pramati Server
- BEA WebLogic
- Oracle Application Server

IP Issues

IP Checks

Project Leads have all 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 [13] 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-committer 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 their own Application Servers, where server adapters have been provided.
- EJB 2.1 developers can install Xdoclet for “old style” annotations
- Axis2 developers will need to install their own Axis2 runtime, if it is not part of their application server.
- JSF developers need to provide a JSF runtime and component libraries, if it is not part of their application server.
- JPA developers need to provide their own JPA runtime, if it is not part of their application server.

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).

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13 http://www.eclipse.org/webtools/iprelated/ip_log.php

Appendix 1: Snapshot of Web Tools Platform Project IP Log

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 dependancies 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 releasing code

Common Project

Name	Email	cvs id
Chuck Bridgham	cbridgha{at}us.ibm.com	cbridgha
David Williams	david_williams{at}us.ibm.com	david_williams
Jason Sholl	jsholl{at}us.ibm.com	jsholl
Kathy Chan	kathy{at}ca.ibm.com	kchan
Konstantin Komissarchik	kosta{at}bea.com	kkomissarchik
Nitin Dahyabhai	nitind{at}us.ibm.com	nitind
Peter Moogk	pmoogk{at}ca.ibm.com	pmoogk
Kate Price	katep{at}ca.ibm.com	kprice
Carl Anderson	ccc{at}us.ibm.com	canderson
Gary Karasiuk	karasiuk{at}ca.ibm.com	gkarasiu

EJB Tools Project

Name	Email	cvs id
Carl Anderson	ccc{at}us.ibm.com	canderson
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Contributions from non-committers

In addition to the code contributed by committers, there are a number of contributions from non-committers. Wereceive 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 were some lines are 'moved', thus resulting in a lot of '-' and +' signs, even though not that much as changed.

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

Web tools

Count	Bug Number	Target Milestone	Id	Name	Total Lines	Added Lines
1	91698	3.0 RC1	nsandona{at}us.ibm.com	Nick Sandonato	289	116
2	101687	3.0 RC1	ebelisar{at}us.ibm.com	Ella Belisario	43	9
3	101687	3.0 RC1	ebelisar{at}us.ibm.com	Ella Belisario	20	7
4	101687	3.0 RC1	ebelisar{at}us.ibm.com	Ella Belisario	15	2
5	101687	3.0 RC1	gindik{at}ca.ibm.com	Gabriel Indik	1685	173
6	109402	3.0 M4	gilberta{at}ca.ibm.com	Gilbert Andrews	44	14
7	114943	3.0 M6	gindik{at}ca.ibm.com	Gabriel Indik	228	92
8	117924	3.0 M5	trungha{at}ca.ibm.com	Trung	55	19
9	119964	3.0 M6	trungha{at}ca.ibm.com	Trung	154	58
10	120128	3.0 M6	gilberta{at}ca.ibm.com	Gilbert Andrews	371	2
11	123643	3.0 M6	nsandona{at}us.ibm.com	Nick Sandonato	65	30
12	126774	3.0 M6	sengpl{at}ca.ibm.com	Seng Phung Lu	869	96
13	130039	3.0 M7	nsandona{at}us.ibm.com	Nick Sandonato	53	20
14	138345	3.0 M2	gindik{at}ca.ibm.com	Gabriel Indik	150	40
15	139153	3.0 M2	jgorner{at}ca.ibm.com	Joshua Gorner	23	2
16	140486	3.0 M7	phnixwxz1{at}yahoo.com	Wang Xianzhu	44	13
17	144313	3.0 M6	nsandona{at}us.ibm.com	Nick Sandonato	955	527
18	146023	3.0 M6	gilberta{at}ca.ibm.com	Gilbert Andrews	1209	834
19	147033	3.0 M3	d_a_carver{at}yahoo.com	Dave Carver	269	60
20	147033	3.0 M3	d_a_carver{at}yahoo.com	Dave Carver	132	101
21	147442	3.0 M6	trungha{at}ca.ibm.com	Trung	33	4
22	147919	3.0 M2	jgorner{at}ca.ibm.com	Joshua Gorner	277	195
23	151392	3.0 M6	trungha{at}ca.ibm.com	Trung	498	161
24	155876	3.0 M2	gindik{at}ca.ibm.com	Gabriel Indik	581	368
25	155885	3.0 M6	trungha{at}ca.ibm.com	Trung	141	94
26	156593	3.0 M2	d_a_carver{at}yahoo.com	Dave Carver	18	2
27	157551	3.0 M7	gindik{at}ca.ibm.com	Gabriel Indik	72	16

28	160247	3.0 M7	tmcmack{at}us.ibm.com	Tim McMackin	82	16
29	160247	3.0 M7	tmcmack{at}us.ibm.com	Tim McMackin	18	2
30	160247	3.0 M7	caitlina{at}ca.ibm.com	Caitlin Andrews	7100	6600
31	162321	3.0 M4	d_a_carver{at}yahoo.com	Dave Carver	61	11
32	171705	3.0 M6	trungha{at}ca.ibm.com	Trung	98	40
33	171705	3.0 M6	trungha{at}ca.ibm.com	Trung	199	50
34	171705	3.0 M6	trungha{at}ca.ibm.com	Trung	65	11
35	182167	3.0 RC1	makandre{at}ca.ibm.com	Andrew Mak	165	32
36	183330	3.0	jacek.pospychala{at}pl.ibm.com	Jacek Pospychala	46	24
37	184761	3.0 M6	gilberta{at}ca.ibm.com	Gilbert Andrews	913	278
38	185851	3.0 RC1	nsandona{at}us.ibm.com	Nick Sandonato	1161	608
39	186456	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	4590	755
40	187937	3.0 RC1	ericdp{at}ca.ibm.com	Eric D. Peters	22	2
41	189205	3.0 M1	lit{at}in.tum.de	Tianchao Li	534	169
42	189489	3.0 M7	jgorner{at}ca.ibm.com	Joshua Gorner	898	775
43	190371	3.0 RC1	makandre{at}ca.ibm.com	Andrew Mak	210	26
44	191111	3.0	zina{at}ca.ibm.com	Zina	762	273
45	192568	3.0 M4	d_a_carver{at}yahoo.com	Dave Carver	467	324
46	192785	3.0 M2	gilberta{at}ca.ibm.com	Gilbert Andrews	16007	15015
47	192785	3.0 M2	gilberta{at}ca.ibm.com	Gilbert Andrews	17762	16554
48	193418	3.0 M2	jgorner{at}ca.ibm.com	Joshua Gorner	52	10
49	193772	3.0 M2	jgorner{at}ca.ibm.com	Joshua Gorner	32	4
50	195065	3.0 M3	remy.suen{at}gmail.com	Remy Chi Jian Suen	34	4
51	195264	3.0 M5	nsandona{at}us.ibm.com	Nick Sandonato	324	104
52	196997	3.0 M3	ericdp{at}ca.ibm.com	Eric D. Peters	613	304
53	196997	3.0 M3	ericdp{at}ca.ibm.com	Eric D. Peters	1868	1090
54	196997	3.0 M3	ericdp{at}ca.ibm.com	Eric D. Peters	298	8
55	196997	3.0 M3	ericdp{at}ca.ibm.com	Eric D. Peters	79	13

56	196997	3.0 M3	ericdp{at}ca.ibm.com	Eric D. Peters	33	4
57	198144	3.0	gilberta{at}ca.ibm.com	Gilbert Andrews	40	6
58	198144	3.0	gilberta{at}ca.ibm.com	Gilbert Andrews	38	2
59	199105	3.0 M3	h.hristov{at}sap.com	Hristo Hristov	3411	3155
60	199121	3.0 M5	yavor.vasilev.boyadzhiev{at}sap.com	Yavor Boyadzhiev	2502	1609
61	200433	3.0	ramanday{at}us.ibm.com	Raj Mandayam	18	2
62	201632	3.0 M3	ictewksb{at}us.ibm.com	Ian Tewksbury	95	37
63	201632	3.0 M3	ictewksb{at}us.ibm.com	Ian Tewksbury	41	13
64	202174	3.0 M4	jzhang{at}us.ibm.com	Jim Zhang	422	314
65	202460	3.0	gilberta{at}ca.ibm.com	Gilbert Andrews	88	14
66	203291	3.0 M3	eugene{at}genuitec.com	Eugene Ostroukhov	62	17
67	203301	3.0 M6	eugene{at}genuitec.com	Eugene Ostroukhov	21	6
68	203301	3.0 M6	gindik{at}ca.ibm.com	Gabriel Indik	41	16
69	203301	3.0 M6	gindik{at}ca.ibm.com	Gabriel Indik	27	2
70	203303	3.0 M3	eugene{at}genuitec.com	Eugene Ostroukhov	94	56
71	203494	3.0 M6	nsandona{at}us.ibm.com	Nick Sandonato	168	65
72	204649	3.0 M3	kelvinhc{at}ca.ibm.com	Kelvin Cheung	47	5
73	204833	3.0 M5	randallt{at}us.ibm.com	Randall Theobald	18	3
74	204833	3.0 M5	randallt{at}us.ibm.com	Randall Theobald	29	6
75	205383	3.0 M6	d_a_carver{at}yahoo.com	Dave Carver	47	19
76	205583	3.0	zina{at}ca.ibm.com	Zina	1400	671
77	206072	3.0 M6	nsandona{at}us.ibm.com	Nick Sandonato	26	4
78	207068	3.0	larinac{at}ca.ibm.com	Larina Cheung	134	1
79	207076	3.0	larinac{at}ca.ibm.com	Larina Cheung	90	8
80	207113	3.0 M7	gindik{at}ca.ibm.com	Gabriel Indik	34	11

81	207616	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	374	158
82	207618	3.0 M3	zina{at}ca.ibm.com	Zina	534	70
83	207826	3.0 M6	stefan.dimov{at}sap.com	Stefan Dimov	1654	1021
84	207826	3.0 M6	stefan.dimov{at}sap.com	Stefan Dimov	1855	1187
85	208072	3.0 M6	gindik{at}ca.ibm.com	Gabriel Indik	151	42
86	208491	3.0 M3	ericdp{at}ca.ibm.com	Eric D. Peters	18	2
87	208767	3.0 M4	h.hristov{at}sap.com	Hristo Hristov	685	374
88	208795	3.0 M5	ericdp{at}ca.ibm.com	Eric D. Peters	286	112
89	208809	3.0	ictewksb{at}us.ibm.com	Ian Tewksbury	176	89
90	209206	3.0 M4	h.hristov{at}sap.com	Hristo Hristov	955	250
91	209726	3.0	Eric.Norman{at}softwareag.com	Eric Norman	38	16
92	209858	3.0 M4	ericdp{at}ca.ibm.com	Eric D. Peters	2157	1113
93	209858	3.0 M4	ericdp{at}ca.ibm.com	Eric D. Peters	481	285
94	209858	3.0 M4	ericdp{at}ca.ibm.com	Eric D. Peters	105	65
95	209891	3.0	ictewksb{at}us.ibm.com	Ian Tewksbury	157	136
96	210481	3.0 M7	nsandona{at}us.ibm.com	Nick Sandonato	87	21
97	211262	3.0 M4	ericdp{at}ca.ibm.com	Eric D. Peters	81	22
98	212242	3.0 M7	nsandona{at}us.ibm.com	Nick Sandonato	35	4
99	212330	3.0 M6	d_a_carver{at}yahoo.com	Dave Carver	2626	2018
100	212330	3.0 M6	d_a_carver{at}yahoo.com	Dave Carver	2648	2042
101	213330	3.0 M6	trungha{at}ca.ibm.com	Trung	147	34
102	213330	3.0 M6	trungha{at}ca.ibm.com	Trung	185	39
103	213505	3.0 M5	jzhang{at}us.ibm.com	Jim Zhang	16	2
104	213730	3.0 M7	trungha{at}ca.ibm.com	Trung	57	12
105	214367	3.0	larinac{at}ca.ibm.com	Larina Cheung	18	2
106	214516	3.0 M5	nsandona{at}us.ibm.com	Nick Sandonato	111	28
107	214624	3.0 M7	makandre{at}ca.ibm.com	Andrew Mak	133	8
108	214804	3.0 M5	gindik{at}ca.ibm.com	Gabriel Indik	19	4
109	214908	3.0	larinac{at}ca.ibm.com	Larina Cheung	99	29
110	214993	3.0 M6	gindik{at}ca.ibm.com	Gabriel Indik	18	2

111	214993	3.0 M6	gindik{at}ca.ibm.com	Gabriel Indik	99	59
112	215514	3.0 M7	gindik{at}ca.ibm.com	Gabriel Indik	42	27
113	215552	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	251	96
114	215555	3.0 M5	jasonpet{at}us.ibm.com	Jason Peterson	21	5
115	216302	3.0 M6	achim.huegen{at}gmx.de	Achim	20	2
116	216345	3.0 M5	gilberta{at}ca.ibm.com	Gilbert Andrews	50	10
117	216544	3.0 RC1	eiji.morito{at}jp.fujitsu.com	Eiji Morito	27	10
118	216734	3.0 M6	petya.sabeva{at}sap.com	Petya Sabeva	2622	1626
119	216734	3.0 M6	petya.sabeva{at}sap.com	Petya Sabeva	16	3
120	216965	3.0 M5	caitlina{at}ca.ibm.com	Caitlin Andrews	9171	7217
121	216970	3.0	caitlina{at}ca.ibm.com	Caitlin Andrews	2468	1533
122	216971	3.0 M5	caitlina{at}ca.ibm.com	Caitlin Andrews	217	43
123	217177	3.0	larinac{at}ca.ibm.com	Larina Cheung	62	19
124	217723	3.0 M6	sengpl{at}ca.ibm.com	Seng Phung Lu	377	182
125	217783	3.0 M6	rob.stryker{at}jboss.com	Rob Stryker	94	22
126	218029	3.0	larinac{at}ca.ibm.com	Larina Cheung	33	19
127	218030	3.0 M5	nsandona{at}us.ibm.com	Nick Sandonato	64	18
128	218051	3.0	larinac{at}ca.ibm.com	Larina Cheung	761	399
129	218070	3.0 M5	nsandona{at}us.ibm.com	Nick Sandonato	210	103
130	218576	3.0 M6	nsandona{at}us.ibm.com	Nick Sandonato	35	4
131	218696	3.0 M6	ericdp{at}ca.ibm.com	Eric D. Peters	217	56
132	218767	3.0 M6	yavor.vasilev.boyadzhiev{at}sap.com	Yavor Boyadzhiev	78	30
133	218957	3.0 M6	petya.sabeva{at}sap.com	Petya Sabeva	72	20
134	218957	3.0 M6	petya.sabeva{at}sap.com	Petya Sabeva	1027	850
135	218993	3.0 M6	nsandona{at}us.ibm.com	Nick Sandonato	225	113
136	219004	3.0 M7	nsandona{at}us.ibm.com	Nick Sandonato	34	12
137	219005	3.0 RC1	ericdp{at}ca.ibm.com	Eric D. Peters	66	16

138	219065	3.0 M6	rob.stryker{at}jboss.com	Rob Stryker	49	7
139	219121	3.0 M7	trungha{at}ca.ibm.com	Trung	18	3
140	219537	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	73	15
141	219776	3.0 M7	nsandona{at}us.ibm.com	Nick Sandonato	30	6
142	220601	3.0 M6	nagrawal{at}us.ibm.com	Neeraj Agrawal	70	15
143	220739	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	67	16
144	220796	3.0 M6	nsandona{at}us.ibm.com	Nick Sandonato	18	2
145	220983	3.0 M6	trungha{at}ca.ibm.com	Trung	54	10
146	220985	3.0 M7	trungha{at}ca.ibm.com	Trung	194	82
147	220993	3.0 M6	nagrawal{at}us.ibm.com	Neeraj Agrawal	78	47
148	221793	3.0 M6	jasonpet{at}us.ibm.com	Jason Peterson	18	3
149	222075	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	44	9
150	222077	3.0 M6	nsandona{at}us.ibm.com	Nick Sandonato	57	29
151	222094	3.0 RC1	makandre{at}ca.ibm.com	Andrew Mak	82	24
152	222103	3.0 M6	trungha{at}ca.ibm.com	Trung	130	28
153	222321	3.0 M6	trungha{at}ca.ibm.com	Trung	18	2
154	222321	3.0 M6	trungha{at}ca.ibm.com	Trung	35	4
155	222473	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	187	60
156	222531	3.0	rob.stryker{at}jboss.com	Rob Stryker	19	2
157	222651	3.0 M6	stefan.dimov{at}sap.com	Stefan Dimov	41	6
158	222727	3.0 M6	gindik{at}ca.ibm.com	Gabriel Indik	136	28
159	222997	3.0 M6	gindik{at}ca.ibm.com	Gabriel Indik	18	2
160	223118	3.0	ericdp{at}ca.ibm.com	Eric D. Peters	203	55
161	223634	3.0	ericdp{at}ca.ibm.com	Eric D. Peters	18	2
162	223905	3.0	caitlina{at}ca.ibm.com	Caitlin Andrews	4068	3068
163	223912	3.0 M6	ericdp{at}ca.ibm.com	Eric D. Peters	33	4
164	224013	3.0 M6	rob.stryker{at}jboss.com	Rob Stryker	22	4
165	224027	3.0 M6	rob.stryker{at}jboss.com	Rob Stryker	69	19
166	224148	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	98	18
167	224193	3.0 M6	nagrawal{at}us.ibm.com	Neeraj Agrawal	15	2
168	224209	3.0 M7	nsandona{at}us.ibm.com	Nick Sandonato	2165	1194

169	224333	3.0 M7	epfister{at}hsr.ch	Etienne Pfister	15	2
170	224333	3.0 M7	epfister{at}hsr.ch	Etienne Pfister	16	2
171	224433	3.0 RC1	makandre{at}ca.ibm.com	Andrew Mak	54	11
172	224452	3.0 M6	trungha{at}ca.ibm.com	Trung	64	8
173	224488	3.0 M6	jasonpet{at}us.ibm.com	Jason Peterson	18	1
174	224563	3.0 M6	ericdp{at}ca.ibm.com	Eric D. Peters	26	3
175	224953	3.0 M6	gilberta{at}ca.ibm.com	Gilbert Andrews	90	27
176	225032	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	60	8
177	225032	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	51	6
178	225161	3.0 M6	nsandona{at}us.ibm.com	Nick Sandonato	18	2
179	225194	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	18	2
180	225222	3.0	caitlina{at}ca.ibm.com	Caitlin Andrews	216	54
181	225378	3.0 M6	makandre{at}ca.ibm.com	Andrew Mak	142	69
182	225423	3.0	caitlina{at}ca.ibm.com	Caitlin Andrews	5589	4024
183	225816	3.0 M7	gindik{at}ca.ibm.com	Gabriel Indik	65	15
184	225819	3.0 M7	gindik{at}ca.ibm.com	Gabriel Indik	109	81
185	225830	3.0	lovering{at}ca.ibm.com	Virginia Lovering	4552	4248
186	225830	3.0	lovering{at}ca.ibm.com	Virginia Lovering	738	617
187	225879	3.0 M7	nsandona{at}us.ibm.com	Nick Sandonato	44	2
188	226242	3.0 M7	shiratori.tomo{at}jp.fujitsu.com	Tomoki Shiratori	17	6
189	226736	3.0 M7	nsandona{at}us.ibm.com	Nick Sandonato	49	19
190	226767	3.0 M7	makandre{at}ca.ibm.com	Andrew Mak	139	13
191	226782	3.0 M7	rob.stryker{at}jboss.com	Rob Stryker	31	5
192	226821	3.0 RC1	nsandona{at}us.ibm.com	Nick Sandonato	239	179
193	227152	3.0 M7	makandre{at}ca.ibm.com	Andrew Mak	89	19
194	227237	3.0 M7	gilberta{at}ca.ibm.com	Gilbert Andrews	61	9
195	227318	3.0 RC1	nagrawal{at}us.ibm.com	Neeraj Agrawal	183	92

196	227359	3.0 M7	makandre{at}ca.ibm.com	Andrew Mak	100	22
197	227404	3.0 RC1	nagrawal{at}us.ibm.com	Neeraj Agrawal	20	3
198	227441	3.0 M7	caitlina{at}ca.ibm.com	Caitlin Andrews	2287	826
199	227489	3.0 RC1	epfister{at}hsr.ch	Etienne Pfister	57	15
200	227648	3.0	ericdp{at}ca.ibm.com	Eric D. Peters	48	6
201	227824	3.0 M7	makandre{at}ca.ibm.com	Andrew Mak	29	4
202	227848	3.0 RC1	makandre{at}ca.ibm.com	Andrew Mak	101	15
203	228013	3.0 M7	caitlina{at}ca.ibm.com	Caitlin Andrews	136	74
204	228016	3.0 M7	caitlina{at}ca.ibm.com	Caitlin Andrews	833	524
205	228054	3.0 M7	makandre{at}ca.ibm.com	Andrew Mak	26	3
206	228065	3.0 M7	nsandona{at}us.ibm.com	Nick Sandonato	396	267
207	228495	3.0	nsandona{at}us.ibm.com	Nick Sandonato	229	134
208	228505	3.0 M7	larinac{at}ca.ibm.com	Larina Cheung	233	129
209	228920	3.0	caitlina{at}ca.ibm.com	Caitlin Andrews	86	60
210	228922	3.0	caitlina{at}ca.ibm.com	Caitlin Andrews	72	49
211	228945	3.0 M7	sengpl{at}ca.ibm.com	Seng Phung Lu	305	128
212	229175	3.0	larinac{at}ca.ibm.com	Larina Cheung	65	13
213	229175	3.0	larinac{at}ca.ibm.com	Larina Cheung	164	48
214	229175	3.0	larinac{at}ca.ibm.com	Larina Cheung	55	11
215	229693	3.0 M7	makandre{at}ca.ibm.com	Andrew Mak	50	11
216	229694	3.0	gindik{at}ca.ibm.com	Gabriel Indik	34	11
217	229728	3.0 RC1	makandre{at}ca.ibm.com	Andrew Mak	179	35
218	230297	3.0 RC1	nsandona{at}us.ibm.com	Nick Sandonato	83	37
219	230889	3.0 RC1	makandre{at}ca.ibm.com	Andrew Mak	34	4
220	231122	3.0 RC1	epfister{at}hsr.ch	Etienne Pfister	41	13
221	231351	3.0 RC1	gilberta{at}ca.ibm.com	Gilbert Andrews	107	38

222	231645	3.0 RC1	jasonpet{at}us.ibm.com	Jason Peterson	18	2
223	231692	3.0 RC1	nsandona{at}us.ibm.com	Nick Sandonato	182	60

Tip: You can use this bugzilla single list for above table to first list all bugs in the table, and then narrow or sort the result how ever you would like.

JSF

Count	Bug Number	Target Milestone	Id	Name	Total Lines	Added Lines
224	167180	3.0 RC1	spaxton{at}us.ibm.com	Scott Paxton	866	108
225	171795	3.0 M6	mat.fuessel{at}gmx.net	Matthias Fuessel	60	30
226	171795	3.0 M6	mat.fuessel{at}gmx.net	Matthias Fuessel	348	172
227	172696	3.0	mat.fuessel{at}gmx.net	Matthias Fuessel	131	51
228	175109	3.0 M4	mat.fuessel{at}gmx.net	Matthias Fuessel	1214	771
229	191827	3.0 M6	dmgloss{at}mail.ru	Vadim Dmitriev	756	508
230	198984	3.0	mat.fuessel{at}gmx.net	Matthias Fuessel	271	124
231	206514	3.0	xiaonan_jiang{at}us.ibm.com	Xiaonan Jiang	413	335
232	211321	3.0 M7	xiaonan_jiang{at}us.ibm.com	Xiaonan Jiang	581	367
233	221353	3.0 M7	debajit.adhikary{at}oracle.com	Debajit Adhikary	109	38

Tip: You can use this bugzilla single list for above table to first list all bugs in the table, and then narrow or sort the result how ever you would like.

Dali

Count	Bug Number	Target Milestone	Id	Name	Total Lines	Added Lines
234	127337	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	1547	1166
235	128979	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	3590	1838
236	130580	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	3586	2470
237	130580	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	700	226
238	130580	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	1288	536

239	137799	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	257	158
240	186439	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	1746	642
241	186439	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	94	18
242	191720	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	983	178
243	198982	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	3477	1233
244	202518	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	68	8
245	213467	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	873	275
246	215807	2.0 M6	d.dimitrov{at}sap.com	Dimiter Dimitrov	17	2
247	216450	2.0 M7	d.dimitrov{at}sap.com	Dimiter Dimitrov	3582	3456
248	216755	2.0 M6	d.dimitrov{at}sap.com	Dimiter Dimitrov	25	10
249	220801	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	578	164
250	220802	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	174	43
251	220966	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	701	140
252	222110	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	262	49
253	222241	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	26	2
254	222792	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	634	171
255	222980	2.0 M6	pascal.filion{at}oracle.com	Pascal Filion	26	2
256	223837	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	670	311
257	225428	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	149	78
258	225639	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	17	2
259	225640	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	165	43
260	225660	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	76	16

261	225681	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	844	505
262	225682	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	231	76
263	227895	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	141	28
264	228222	2.0 M7	d.dimitrov{at}sap.com	Dimiter Dimitrov	69	9
265	228556	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	18	3
266	228557	2.0 M7	pascal.filion{at}oracle.com	Pascal Filion	82	19
267	229511	2.0 RC1	pascal.filion{at}oracle.com	Pascal Filion	154	146
268	230414	2.0 RC1	d.dimitrov{at}sap.com	Dimiter Dimitrov	21	5
269	230427	2.0 RC1	pascal.filion{at}oracle.com	Pascal Filion	45	7

Tip: You can use this bugzilla single list for above table to first list all bugs in the table, and then narrow or sort the result how ever you would like.

Summary, by Contributors

Id	Name	Number of patches
pascal.filion{at}oracle.com	Pascal Filion	31
nsandona{at}us.ibm.com	Nick Sandonato	28
makandre{at}ca.ibm.com	Andrew Mak	26
ericdp{at}ca.ibm.com	Eric D. Peters	19
gindik{at}ca.ibm.com	Gabriel Indik	18
trungha{at}ca.ibm.com	Trung	18
gilberta{at}ca.ibm.com	Gilbert Andrews	13
caitlina{at}ca.ibm.com	Caitlin Andrews	12
larinac{at}ca.ibm.com	Larina Cheung	11
d_a_carver{at}yahoo.com	Dave Carver	8
rob.stryker{at}jboss.com	Rob Stryker	6
nagrawal{at}us.ibm.com	Neeraj Agrawal	5
mat.fuessel{at}gmx.net	Matthias Fuessel	5
d.dimitrov{at}sap.com	Dimiter Dimitrov	5
jgorner{at}ca.ibm.com	Joshua Gorner	5
epfister{at}hsr.ch	Etienne Pfister	4
ictewksb{at}us.ibm.com	Ian Tewksbury	4
petya.sabeva{at}sap.com	Petya Sabeva	4

jasonpet{at}us.ibm.com	Jason Peterson	4
eugene{at}genuitec.com	Eugene Ostroukhov	3
stefan.dimov{at}sap.com	Stefan Dimov	3
zina{at}ca.ibm.com	Zina	3
ebelisar{at}us.ibm.com	Ella Belisario	3
h.hristov{at}sap.com	Hristo Hristov	3
sengpl{at}ca.ibm.com	Seng Phung Lu	3
lovering{at}ca.ibm.com	Virginia Lovering	2
xiaonan_jiang{at}us.ibm.com	Xiaonan Jiang	2
jzhang{at}us.ibm.com	Jim Zhang	2
randallt{at}us.ibm.com	Randall Theobald	2
yavor.vasilev.boyadzhiev{at}sap.com	Yavor Boyadzhiev	2
tmcmack{at}us.ibm.com	Tim McMackin	2
dmgloss{at}mail.ru	Vadim Dmitriev	1
lit{at}in.tum.de	Tianchao Li	1
debajit.adhikary{at}oracle.com	Debajit Adhikary	1
phnixwxz1{at}yahoo.com	Wang Xianzhu	1
spaxton{at}us.ibm.com	Scott Paxton	1
jacek.pospychala{at}pl.ibm.com	Jacek Pospychala	1
remy.suen{at}gmail.com	Remy Chi Jian Suen	1
eiji.morito{at}jp.fujitsu.com	Eiji Morito	1
achim.huegen{at}gmx.de	Achim	1
kelvinhc{at}ca.ibm.com	Kelvin Cheung	1
ramanday{at}us.ibm.com	Raj Mandayam	1
Eric.Norman{at}softwareag.com	Eric Norman	1
shiratori.tomo{at}jp.fujitsu.com	Tomoki Shiratori	1

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 (CQ 1374)	Apache License, 2.0	2.0	
Commons discovery	0.2 (CQ 1377)	Apache License, 2.0	0.7	

Commons logging	1.0.4 (CQ 223)	Apache License, 2.0	1.0	
JAX-RPC	1.1 (CQ 286)	Apache License, 2.0	0.7	Part of Axis.
log4j	1.2.13 (CQ 1593)	Apache License, 2.0	2.0	
Axis-Ant	1.2.1 (CQ 1375)	Apache License, 2.0	0.7	
SOAP (from Axis)	1.2 (CQ 1379)	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 (CQ 212)	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 (CQ 327)	Common Public License 1.0	0.7	includes "qname.jar"
	1.5.1 (CQ 1380)	Common Public License 1.0	2.0	WSDL 1.5.1 is distributed as part of Axis 1.4
wsil4j	1.0 (CQ 330)	Apache License, 1.1	0.7	
Xerces	2.9.0 (CQ 1148)	Apache License, 2.0	3.0	Introducted in WTP 3.0 as four plugins: javax.xml(1.3.4) org.apache.xml.resolver (1.2.0) org.apache.xml.serializer (2.7.1) org.apache.xerces (2.9.0)
uddi4j	2.0.5 (CQ 321)	IBM Public License	1.5.1	
http.xsd	WSDL 1.1 (CQ 275)	IBM, Microsoft	1.0	
soap.xsd	WSDL	IBM,	1.0	

	1.1 (CQ 319)	Microsoft		
soapenc.xsd	WSDL 1.1 (CQ 320)	W3C	0.7	
wsdl.xsd	WSDL 1.1 (CQ 325)	IBM, Microsoft	1.0	
wsdl20.xsd	1.2 (CQ 326)	W3C license	1.0	
wsdl-mime.xsd	WSDL 1.1 (CQ 329)	IBM, Microsoft	1.0	
XHTML	1.0, 1.1 (CQ 331)	W3C license	1.0	
WAP DTDs	1.1, 1.3 (CQ 324)	OMA/EPL	1.0	Distributed under EPL 1.0. See Note 1 for email clarifying status of WAP Schemas and DTDs.
JavaServer Faces Schemas and DTDs	1.1, 1.2 (CQ 1506)	CDDL	2.0	
JEE Related Schemas and DTDs	1.2, 2.0 (CQ 4)	CDDL	2.0	
org.apache.commons.codec	1.3 (CQ 1562)	Apache License, 2.0		Not currently re-distributed,perhaps will be for service
JPA API XML Schemas (persistence.xsd and orm.xsd)	1.0 (CQ 1829)	CDDL	3.0	Currently packaged in the "jst.standard.schemas" bundle.
Java Persistence API	1.0 (CQ 1889)	CDDL	3.0	javax.persistence interfaces; used by Dali JPA Tools
javax.mail (from Apache Geronimo)	1.4 (CQ 2059)	Apache License, 2.0	3.0	This is a minor pre-req, just required by Axis (not used directly).
javax.actiation (from Apache Geronimo)	1.1 (CQ 2060)	Apache License, 2.0	3.0	This is a minor pre-req, just required by Axis (not used directly).
Xerces	2.9.1 (CQ 1984)	Apache License, 2.0	na	This is not currently distributed, but may be for service.
html dtds Version: 4.0.1	4.0.1 (CQ 2139)	W3C License	3.0	part of wst.standard.schemas plugin

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 Dependencies.

Note: Where we list available third party software in this document, we do so only to domonstrate 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.

Application Servers

We depend on Application Servers in two ways. First, and least important, we do have one function, Web Service Explorer that actually runs as a web application. We happen to depend on and use what ever Application Server ships in the Eclipse Platform, which for the Ganymede releases happens to be Jetty Version 5.x. We could run our WSE web app on any JEE compliant server, but we do need to know it in advance ... it can not be "swapped out" by users or adopters.

Second, and most important, creating web applications -- the whole purpose of WTP! -- depends on having some application server available. Ultimately it is up to the end user to provide their own Application Server to use with WTP, but there are some "ease of use" options that provide different paths to using one or more Application Servers:

Preview Server

We do offer, and users can make use of, a "preview server" that is built in to WTP. This is actually just making use of what ever Application server ships with the Eclipse Platform, which is currently Jetty Version 5.x. We, in WTP, do not surface the fact that this is Jetty, in order to be more "vendor neutral" and in fact could work with any JEE compliant server, but, we do need to know in advance what server it is, in order to adapt to it specifically. There is also an HTTP Preview Server that non-java users can use to "run" HTML and Javascript documents. Under the covers, the built in HTTP Preview Server is the same as the JEE Preview Server.

These Preview Servers are offered simply to improve "out of the box" experience for novice end-users. It provides capabilities to run servlets and JSPs. Most professional web developers will want to use some specific application server that has the capabilities they need.

Server Adapters

Any server that's used with WTP needs a server adapter. This just provides a common interface for WTP to interact with the server; to start, stop, and publish to the server. There are some server adapters that are shipped with WTP, and others that are available from any vendor that wants to provide one. In some cases, those other adapters have provided us with URLs to update sites, to make it easier for users to get their server adatper. There are, undoubtedly other server adapters (and servers) we know nothing about.

Server Adapters that are built-in (shipped with WTP)

Tomcat v3.2

Tomcat v4.0

Tomcat v4.1

Tomcat v5.0

Tomcat v5.5

Tomcat v6.0

IBM WebSphere V6.0

JBoss v3.2.3

JBoss v4.0

JBoss v4.2

JBoss v5.0

JOnAS v4

Oracle OC4J Standalone 10.1.3

Oracle OC4J Standalone 10.1.3.n

Server Adapters that are available from built-in update sites

BEA WebLogic 10.3

BEA WebLogic 10.0

BEA WebLogic 9.x

BEA WebLogic 8.1

Pramati Server 4.1

Pramati Server 5.0

Geronimo v1.0

Geronimo v1.1.x

Geronimo v2.0

Glassfish v1

Glassfish v2

Glassfish v3

Jetty 6.0

WASCE v1.1.x

WASCE v2.0

Installable Runtimes

Normally when users install their own Application Server, they simply tell us where, on their file system, it is (already) installed. If someone picks that they want to use a Tomcat server, we do offer an option (along with the already existing location option) that they can download and install Tomcat from the Apache download site. In that case, we do show them the appropriate Apache license which they must agree to, before the download of the zip file proceeds.

This option is provided just as an ease-of-use option to allow beginning users to get started easier and more quickly.

Java Persistence Frameworks

JPA runtimes come built in with some application servers, but if not, users would have to download and install their own. Several of these frameworks are listed below to demonstrate the many options available to the end-user.

JPA Open Source libraries

EPL - EclipseLink

Apache - Open JPA

CDDL - TopLink Essentials (available from Glassfish project)

GPL - JBoss Hibernate

JPA Proprietary libraries

Oracle TopLink

BEA Kodo

JSF Runtimes and Component Libraries

To execute a JSF application you need an implementation of the JSF spec and one or more component libraries. You can get the implementation plus a core set of components from

Sun (https://javaserverfaces.dev.java.net/download.html)

Apache MyFaces (http://myfaces.apache.org/download.html).

JEE 5 compliant application servers implementations come with the JSF support built-in. Users can get additional component libraries from a wide range of vendors including

Apache MyFaces Tomahawk

Apache MyFaces Trinidad

ICEFaces>

JBoss RichFaces

Oracle's ADF Faces

Project Woodstock

Axis2 Runtimes

The Axis2 Web services tools in WTP are an optional feature. If users want to install those tools and make use of them, they will need to have an Axis2 Runtime available. Users can download and install the Axis2 runtime from readily available open source projects (e.g. see Apache Axis2). Then they will have to specify the location of the Axis2 runtime to the WTP Axis2 tools.

XDoclet

For Java EE 1.4, EJB 2.1, there is a technique of developing (defining) EJBs that depend on having extra annotations in JavaDoc comments. To make use of this technique, users have to download and install XDoclet, which is readily available from free, open source projects (e.g. see XDoclet at Sourceforge. We do not ship this support built-in to WTP, simply because it would add a fairly substantial amount of code (roughly 8 M Bytes) to the foot print, and we felt there are not enough users of this particular technique to justify that increased footprint. In earlier versions of WTP, XDoclet was also (optionally) used in Servlet Wizards. But this support is not needed anymore.

For the more recent JEE 5 servers and EJB 3 (and JPA) this annotation technique is simply built in to the Java 5 language.

ICU

ICU is some library code that improves the base internationalization support in Java (e.g. for sorting lists correctly, etc). This comes shipped with the base Eclipse Platform, but our code does depend on it being present, so it is technically a pre-req. We consider this an "exempt pre-req" (exempt from separate IP review) since the Eclipse Foundation, via the Yearly Release Train requirements, requires its use where appropriate.

Other Third Party Code from Eclipse Platform

In addition to what ever application server happens to ship in the base platform, which we mentioned above, there are some other packages that we depend on, but which are shipped as part of the platform. We do not re-distribute them (though, we used to) but want to call them out here since we would still require them even if the platform decided not to re-distribute them, or, for example, if someone was making a "custom install" and maybe not including the complete platform.

Software	Version	License	Introduced in Version	Notes
Jetty Web Server	5.1.14 (CQ 2296)	Apache License, 2.0	3.0	

Apache Jakarta Commons EL	1.0 (CQ 1547)	Apache License, 2.0	2.0	
javax.servlet	2.4 (CQ 1343)	Apache License, 2.0	2.0	
javax.servlet.jsp	2.0 (CQ 1343)	Apache License, 2.0	2.0	