



ORACLE[®]

JSR 289 Transparency

Mihir Kulkarni

JSR 289 Spec Co-Lead

September 2008

JSR 289 Specification

- SIP Servlet Specification v1.1
 - Enhance the existing SIP Servlet specification with new requirements determined by the industry
- Expert Group - 24 Companies and 34 Participants
- Major players – Oracle, IBM, ATT, Ubiquity, Ericsson, Telcordia, Cingular, Sun, Cisco, Apache, T-Mobile, 8x8, Orange, RedHat
- Over 90 Requirements discussed for JSR 289
- <http://jcp.org/en/jsr/detail?id=289>

- Timeline
 - Expert Group formation: Jan 2006
 - Early Draft Review (EDR): March 2007
 - Public Review (PR): Jan 2008
 - Proposed Final Draft (PFD-1): March 2008
 - Proposed Final Draft (PFD-2): May 2008
 - Final Approval Ballot (FAB): July 2008
 - Final Release (FR): Aug 2008

Transparency with developer community

- sipservlets@googlegroups.com
 - Forum to discuss SIP Servlets technology in general and SIP Servlet Specification v1.1 (JSR 289) in particular
 - Collect feedback from the developer community
 - Provide clarifications to the Spec and API
 - Foster open communication between the SIP servlets developer community and the Expert Group
- Archived at: <http://groups.google.com/group/sipservlets>
- Resolved issues published at:
<http://groups.google.com/group/sipservlets/web/pr---issues>
- Current membership - 223 members

Transparency within Expert Group

- www.289eg.org
 - Public website hosting collaborative software – CodeBeamer – from Inland Software (<http://www.inland.com>)
 - Empower Expert Group members
 - File new issues
 - Track issue progress and resolution
 - Collaborate on proposals using Wikis
 - Empower Spec Leads
 - Efficiently manage reported issues
 - Capture discussions related to issues
 - Disburse information easily to EG members
 - Track pending work and better estimate milestone releases

289eg.org: Snapshot of task/issue tracking

The screenshot displays the 'Task (Tracker)' web application interface. The browser window title is 'Task (Tracker) - Mozilla Firefox'. The address bar shows the URL: http://www.289eg.org/cb/proj/tracker/browseTracker.do?d-49489-s=3&tracker_id=4&d-49489-o=2&d-49489-p=1&pagesize=15. The page header includes the 'codeBeamer Enterprise Collaborative Development Platform' logo and navigation tabs like 'My Start', 'Projects', 'Wiki', 'Documents', 'Trackers', 'Reports', 'Forums', 'Chats', 'Builds', 'Source Code', 'Members', and 'Admin'. The 'Trackers' tab is active, showing a breadcrumb path: 'Projects > JSR289 > Trackers > Task'. Below this, there's a 'Tracker: Task' section with a 'New Issue' button and a 'More actions...' dropdown. A search bar contains 'Tracker: Task (4)' and 'Tracker View: All Items'. A table of tasks is displayed with columns for ID, Summary, Status, Owner, Submitted at, Assigned to, Submitted by, Modified at, Modified by, Start Date, End Date, Estimated Hours, Spent Hours, and % Spent/Plan. The tasks listed are:

ID	Summary	Status	Owner	Submitted at	Assigned to	Submitted by	Modified at	Modified by	Start Date	End Date	Estimated Hours	Spent Hours	% Spent/Plan
4001	Session Invalidation <small>TSK-1067, TSK-1059</small>	Closed	--	Dec 03 2007	mihirk	wiarek	Mar 08	mihirk	--	--	--	--	--
4002	Application Router Deployment <small>TSK-1005</small>	Closed	--	Dec 03 2007	wiarek	wiarek	Feb 27	wiarek	--	--	--	--	--
4003	Why is SipApplicationRoutingRegion a required param for ar.getNextApplication() ?	Closed	--	Dec 03 2007	--	wiarek	Mar 04	wiarek	--	--	--	--	--
4004	Routing region extensibility	Closed	--	Dec 03 2007	mihirk	wiarek	Dec 19 2007	mihirk	--	--	--	--	--
4005	Define a way to obtain AR reference for config/OAM reasons <small>TSK-1002</small>	Closed	--	Dec 03 2007	wiarek	wiarek	Jan 31	wiarek	--	--	--	--	--
4006	Update the latest version of DFC paper	Closed	--	Dec 03 2007	mihirk	wiarek	Dec 11 2007	mihirk	--	--	--	--	--
4007	Add new directive SipRouteModifier.ROUTE_BACK	Closed	--	Dec 03 2007	wiarek	wiarek	Mar 04	wiarek	--	--	--	--	--
4008	Clarify the role of neutral region in 15.3.1 (Order of Routing Regions)	Closed	--	Dec 03 2007	--	wiarek	Apr 03	mihirk	--	--	--	--	--
4009	Need more explanation and examples of AR route modifier usage <small>TSK-1093, TSK-1109</small>	Closed	--	Dec 03 2007	wiarek	wiarek	Mar 04	wiarek	--	--	--	--	--
4010	Add SipApplicationRouterInfo.getRoutes	Closed	--	Dec 03 2007	wiarek	wiarek	Mar 06	wiarek	--	--	--	--	--
4011	Order in which routes returned from getRoutes() are pushed onto request needs specification <small>TSK-1020</small>	Closed	--	Dec 03 2007	wiarek	wiarek	Mar 06	wiarek	--	--	--	--	--
4012	Virtual Branch Support	Closed	--	Dec 03 2007	mihirk, stoffe	wiarek	Mar 06	mihirk	--	--	--	--	--
4013	Package-level annotations need to be in package-info.java	Closed	--	Dec 03 2007	mihirk	wiarek	Mar 04	mihirk	--	--	--	--	--

289eg.org – Snapshot of a task item

codeBeamer Enterprise
Collaborative Development Platform

My Start | Projects | Wiki | Documents | **Trackers** | Reports | Forums | Chats | Builds | Source Code | Members | Admin

Projects > JSR289 > Trackers > Task > Session Invalidation

Task [# 4004] Session Invalidation Actions

Tags: No tags associated yet.

Next > | Edit | New Issue | More actions... | Go back

Priority:	Normal	Status:	Closed	Owner:	--
Assigned to:	<i>mihirk</i> Dec 10 2007	Submitted by:	<i>wjarek</i> Dec 03 2007	Modified by:	<i>mihirk</i> Mar 08
Start Date:	--	End Date:	--	Estimated Hours:	--
Spent Hours:	--	% Spent / Plan:	--	Category:	--
Severity:	--	Resolution:	Fixed		

Description:

#	Issue	Proposal	Prio	Accepted?
1	Backwards compatibility	Must have		
2	Graceful invalidation	App-code responsibility		
3	Forceful invalidation	Must have		Spec should clarify behavior of application chain when appSession has been forcefully invalidated. (e.g. Return 5xx.) James Steadman (Oracle) to send a write-up on this.
4	hasOngoingTransaction behavior depends on app type (proxy/ua)	Make uniform		
5	Invalidation by user code in the middle of an application chain	Allow		
6	Invalidation of proxy sessions in Early or Confirmed state	Allow		
7	Relationship with RFC 4028 (session timers) support	App-code responsibility		

Details:

Done

Start | 2 Microsoft... | C:\weblogic\... | Sun - Java ... | jsr289Trans... | SuccessStor... | Windows Ta... | 2 Firefox | 10.34.4.189... | Inbox - Outl... | 9:20 AM

289eg.org – Snapshot of a proposal using Wiki

The screenshot shows a Mozilla Firefox browser window displaying a Wiki page titled "Session Invalidation" on the codeBeamer Enterprise Collaborative Development Platform. The browser's address bar shows the URL "http://www.289eg.org/cb/wiki/1017". The page header includes the codeBeamer logo and navigation tabs such as "My Start", "Projects", "Wiki", "Documents", "Trackers", "Reports", "Forums", "Chats", "Builds", "Source Code", "Members", and "Admin". The page content features a breadcrumb trail: "Projects > JSR289 > Wiki > Welcome to JSR289 > Session Invalidation". Below the breadcrumb, the page title "Session Invalidation" is displayed, along with a revision history entry: "Revision 21 (diff) (Feb 27 by mihirk) | No comments or attachments | No child pages". The page includes a "Tags" section with the text "No tags associated yet." and a "Topic map" section with a list of links: "1.6.1.2.2 SipApplicationSession Invalidation", "1.1.6.1.2.2.2 Explicit Invalidation mechanism", "1.2.6.1.2.2.3 Invalidate When Ready mechanism", "2.6.2.4.1 Session Invalidation", "2.1.6.2.4.1.2 Explicit Invalidation mechanism", and "2.2.6.2.4.1.2 Invalidate When Ready mechanism". A discussion comment is visible on the right side of the page, starting with "Mihir, Some early feedback from Sun" and discussing the "sendEvent() and doEvent() approach". The browser's taskbar at the bottom shows various open applications, including Microsoft Office, Sun Java, and Firefox, with the system clock indicating 9:21 AM on 10.34.4.189.

JSR 289 Main Features

- Application Composition
- Lifetime of SIP sessions
- ProxyBranch
- B2BUA support
- Convergence with Java EE applications
- Compliance with Java EE 5
- Multi-homing support
- Authentication of servlet initiated requests
- Session Targeting
- Parameterable interface
- servletInitialized callback
- Support for additional RFCs