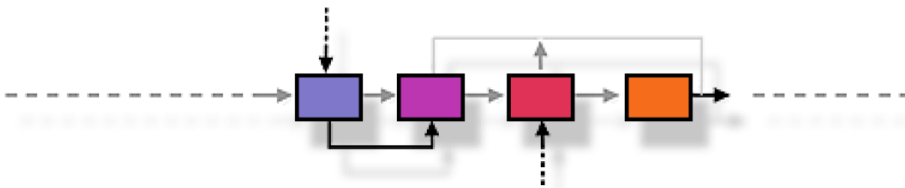# JSR 359 SIP Servlet 2.0

May 13, 2014

Binod P.G, Oracle Corporation.

Scope of SIP Servlet 2.0

- Align with latest Java EE standards
  - Current API is based on Java EE 5
- Align with latest Telco standards
  - Updates to RFC 3261
- API Enhancements and Simplification
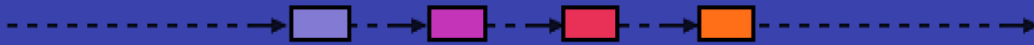
Java Community Process

- Why do this JSR?
  - The current API is based on old platform and standards
  - Contemporary style API
- How does it fit in to the Java ecosystem?
  - SIP Servlet API is not part Java EE platform. However it leverages EE technologies to a great extent.
- Is the idea ready for standardization?
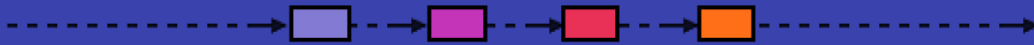 - This is not a new technology.
  - The update is well past due.

- List the significant dates in the history of the JSR.
    - 2nd July 2012 : JSR submitted
    - 30th July 2012: JSR Approved
    - 15th June 2013: Early Draft Review
    - 16th May 2014: Public Review
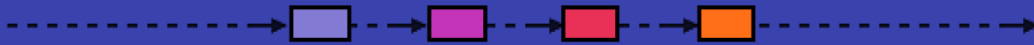
Technical scope and features

- Java EE 6/7 Alignment
  - Servlet 3.0
    - Container pluggability
    - Dynamically adding servlets, listeners
  - Portable JNDI, EJB in SIP application
  - Java EE module names for application composition
  - CDI support for SIP Servlets
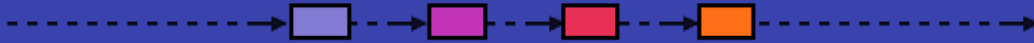
Technical scope and features

- Latest Telco Standards
  - Updates to RFC 3261
    - SIP over WebSockets
    - RFC 6026, 6665, 5393, 6141
  - SIP Session Timers.
  - SIP Outbound.
  - 3GPP Dialog Terminating Proxy.
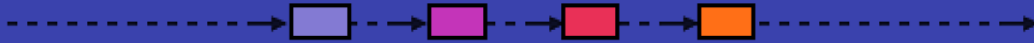
Technical scope and features

- API Refresh, Updates
  - POJO SIP Servlets.
  - B2B support APIs, Better forking support
  - Dialog termination by the container.
  - Concurrency utilities.
  - Flexible DAR configuration support.
  - General improvements and APIs.
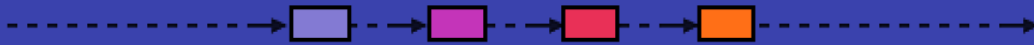
The Expert Group

- SIP containers
  - *Oracle* : Binod P.G, Tomas Ericson
  - *IBM* : Nitzan Nissim, Brian Pulito
  - *Thrupoint* : Keith Lewis, Tom Strickland
  - *Voxeo* : Wei Chen

- Open Source SIP container
  - *Telestax* : Jean Deruelle, George Vagenas

- Telco Industry
  - *AT & T* : Eric Cheung, Daniel Timoney
  - *Cisco* : Subramanian Thamaraisamy
  - *Twilio* : Jonas Borjesson
  - *Open Cloud* : David Ferry
  - *Ericsson* : Kristoffer Gronowski
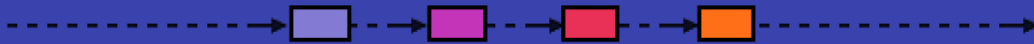
Project Tools and Colloboration

- Face To Face : January 2013
- Mailing List
  - https://java.net/projects/sipservlet-spec/lists
- Regular EG Phone Meetings
  - Notes are posted on the mailing list
- Issue Tracker
  - https://java.net/jira/browse/SIPSERVLET_SPEC
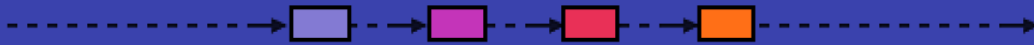
Other deliverables

- Other than Spec, RI, and TCK :
    - Set of blogs from spec lead to explain important features (planned)

Publicity

- Provide links to FAQs, tutorials, conference proceedings, etc.
  - JavaOne 2011 BOF :
    http://parleys.com/play/5148922a0364bc17fc56c651/chapter0/about

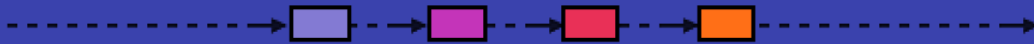# Collaboration with other community groups

- Are you working with other community groups or organizations?
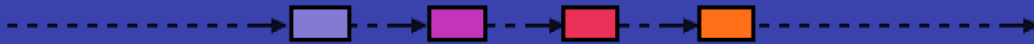 - NA

Implementations

- How many implementations (apart from the RI) exist?
  - The implementations including RI are in progress.
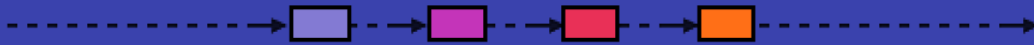
Schedule

- Indicate the expected schedule to completion of the JSR, with milestones and JSR stages.
    - Q3 CY2014: Public Final Draft
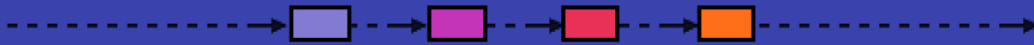   - Q4 CY2014: Final Release

IP flow

- Provide pointers to the licenses for the the Spec, RI, and TCK.
  - Spec:https://jcp.org/aboutJava/communityprocess/licenses/jsr359/JSR-359-SIP-Servlet-2_0-Final-Release-Spec-License-4_5_12.pdf
  - RI:https://jcp.org/aboutJava/communityprocess/licenses/jsr359/Java-JSR_SIPServlet_RI-License_25June2012.pdf
  - TCK.https://jcp.org/aboutJava/communityprocess/licenses/jsr359/SATCK-JSR-359-4_5_12.pdf

- How are you handling contributions from non JCP members? N/A

- What Terms of Use apply to your collaboration tools?
  - Standard Terms for java.net
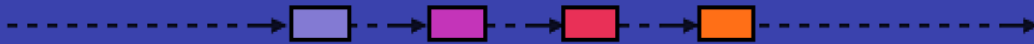
RI and TCK development

- How are you developing the RI and TCK?
  - Oracle is developing the RI and TCK internally.
- Is the RI available for public download? (If so, provide URL.)
  - Not yet available
- Is the TCK available for public download? (If so, provide URL.)
  - Not yet available
- Do you have a source-code repository? (If so, provide URL.)
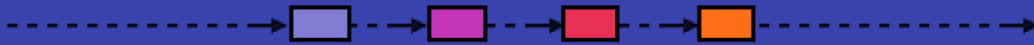 - No

Participation and transparency

- Provide a pointer to the JSR page on JCP.org
  - https://jcp.org/en/jsr/detail?id=359
- Provide a pointer to the "JSR project website" (eg, on Java.net.)
  - https://java.net/projects/sipservlet-spec

Issue tracker

- Total number of issues?
  - 41
- How many in each state (open, closed, deferred, etc?)
  - Open: 5 Resolved: 30: Deferred: 3
- Average number of issues logged per month?
  - ~2 per month
- Average number of issues resolved per month?
  - ~2 per month
- How many different people logged them?
  - 11
- How does this break down between Spec Lead, EG members, and non-EG members?
  - Spec Lead: 36, EG Members: 5

Document archive

- Provide a pointer to your document archive.
  - https://java.net/projects/sipservlet-spec/downloads
- Are meeting minutes and materials published?
  - Meeting notes are published on mailing list
- What other materials are available for download?
  - Intermediate working drafts of the specification.
- Total number of files available for download?
  - 12
- Average number of new files available for for download each month?
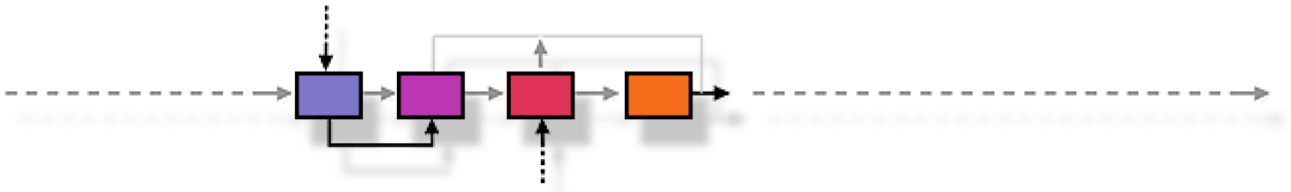 - 0.5

Java Community Process

Other transparency and participation metrics

- Provide information – including metrics – about any additional transparency and participation mechanisms you use.
  - NA

Thank you!
http://jcp.org