Gemini Web
Graduation & 1.1.0 Release Review

Planned Review Date: TBA

Communication Channel: Gemini forum

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Introduction

- Gemini Web is a mature project derived from SpringSource OSGi Web Container v1.0.0 which is the Reference Implementation of the OSGi Web Applications specification

- Major use case: web container for Virgo web server

- Release contents:

  - Web container runtime

  - Unit and integration tests

- Gemini Web is an active project, ready for graduation

  - Committers: 3 (SpringSource/VMware)

  - Non-committer code contributors: 2

eclipse

Features

- The objective of this release is migration of community and applications from SpringSource OSGi Web Container 1.0.0.

- Gemini Web specific features:

  - Rebase on Tomcat 6.0.29

  - Context configuration extension (bug 312752)

  - Restructure Tomcat bundles to enable clustering to work (bug 322983)

  - Resource extraction fix (bug 307393)

  - Redirection fix (bug 308985)

  - Test and build improvements

eclipse

Features (continued)

- Features inherited from SpringSource OSGi Web Container:

  - OSGi Web Bundle support via extender

  - WAR files can be installed by URL

    - Properties can be overridden by URL parameters

  - Based on Tomcat 6.0.x embedded servlet container

    - Standard Tomcat container configuration

Non-Code Aspects

- User documentation:

    - OSGi Enterprise Specification

    - Basic usage instructions on the Gemini Web wiki

    - Further information in Virgo User Guide

- I18n not relevant as there are no end user oriented messages

- See Virgo samples/tutorial as Virgo is the main way Gemini Web is made available to users in addition to its use as a spec implementation

APIs

- The project provides no APIs

Architectural Issues

- None

Tool Usability

- No tools provided

End-of-Life

- Not applicable

Bugzilla

- Fixed

  - 49 of these are CQ tracking bugs

Target Milestone

Severity	---	1.1.0.M02-incubation	1.1.0.M03-incubation	1.1.0.M04-incubation	1.1.0.M05-incubation	Total
normal	56	1	4	1	1	63
enhancement	.	.	.	.	1	1
Total	56	1	4	1	2	64

eclipse

Bugzilla

- Not fixed – all P3

Target Milestone

	---	Total
normal	1	1
enhancement	2	2
Total	3	**3**

Severity

eclipse

Standards

- Gemini Web Container requires Java 6 or later

- Supports Web Bundles as defined by OSGi Enterprise Spec v4.2

- Tomcat 6.0.x provides underlying servlet 2.5 support

UI Usability

- There is no UI

Schedule

- No schedule slippage

- Regular milestones produced

Communities

- Bugzilla in active use by users and contributors

- Gemini forum and gemini-dev less active

- Blogs

    - SpringSource blog covers Gemini Web milestones

- Twitter is used for propagating news updates

- Interaction with Virgo project

    - Gemini Web is regarded as a sister project of Virgo

IP Log

- Eclipse IP policies and procedures have been followed

- IP Log

    - http://www.eclipse.org/projects/ip_log.php?projectid=rt.gemini.web

    - IP log still to be frozen – 1 pending CQ

Graduation

- Gemini Web must exit incubation to release 1.1.0
- The OSGi Web Container project came with a stable codebase, a diverse set of users, and an open development process
- The codebase is stable and demonstrable
    - See Virgo webinar
- The community is small but active
- The project is open and transparent
- The team is adhering to the Eclipse development process and IP policy and relates well to other RT projects. The project lead is an active member of the RT PMC

Credits and Kudos

- Non-commiter code contributors:
  - Violeta Georgieva – SAP << multiple valuable contributions
  - David Savage - Paremus