

***Gemini Blueprint
Graduation & 1.0.0 Release Review***



eclipse

Planned Review Date: TBA (early 2011)

Communication Channel: Gemini forum

Costin Leau (Subproject Lead)

Introduction

- Gemini Blueprint is a mature project derived from SpringSource Spring Dynamic Modules 2.0 project, which is the Reference Implementation of the OSGi 4.2 Blueprint specification
- Major use case: DI framework for OSGi applications
- Release contents:
 - Blueprint container runtime
 - Unit and integration tests
 - Reference documentation

Introduction (continued)

- Gemini Blueprint is an active project, ready for graduation
 - Committers: 4 (SpringSource/Vmware & Oracle)
 - Non-committer code contributors: 0

Features

- The objective of this release is migration of community and applications from Spring Dynamic Modules 1.x & 2.x
- Gemini Blueprint specific features:
 - Various improvements to the ConfigAdmin support
 - Fixed pattern matching for bundles with custom classpaths
 - Different package structure
 - Upgrades to the latest OSGi platforms
 - Test and build improvements

Features (continued)

- Features inherited from Spring Dynamic Modules:
 - Core Spring container support
 - Spring DM 1.x configuration support

Non-Code Aspects

- User documentation:
 - OSGi 4.2 Core Specification
 - Basic usage instructions on the Gemini Blueprint wiki
 - Dedicated information through the Blueprint User Guide

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

APIs

- Supported spec APIs
 - OSGi 4.2 Blueprint 1.0
 - Integrates with: OSGi 4.2 Core and Compendium Services
- Native API
 - Extensive API for interacting with the container

Architectural Issues

- None

Tool Usability

- No tools provided

End-of-Life

- Not applicable

Bugzilla

- Not fixed (yet) – P3

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Severity	normal	5
	enhancement	2
	Total	7

- CQ Approved - 7

Standards

- Gemini Blueprint requires Java 5 or later
- Supports Blueprint bundles as defined by OSGi Spec v4.2
- Spring 2.5.x/3.0.x provides the underlying IoC container

UI Usability

- There is no UI

Schedule

- No schedule slippage
- Milestone produced

Communities

- Bugzilla in active use by users and contributors
- Gemini forum and gemini-dev less active
- Blogs
 - SpringSource blog covers Gemini Blueprint milestone
- Twitter is used for propagating news updates
- Interaction with Virgo project
 - Spring DM is used as the programming model in Virgo; in the future it will be replaced by Gemini Blueprint

IP Log

- Eclipse IP policies and procedures have been followed
- IP Log
 - http://www.eclipse.org/projects/ip_log.php?projectid=rt.gemini.blueprint

Graduation

- Gemini Blueprint must exit incubation to release 1.0.0
- The OSGi Blueprint project came with a stable codebase, a diverse set of users, and an open development process
- The codebase is stable and demonstrable
- The community is small but active
- The project is open and transparent
- Multiple users expressed interest in the graduation
- The team is adhering to the Eclipse development process and IP policy and relates well to other RT projects.