Virgo F2F

30 November - 2 December 2010

Introductions

Chris Frost (SpringSourceVMware)

- Violeta Georgieva (SAP)
- Hristo Iliev (SAP)
- Borislav Kapukaranov (SAP)
- Georgi Stanev (SAP)
- Glyn Normington (SpringSource/VMware)
- Steve Powell (SpringSource/VMware)
- Krasimir Semerdzhiev (SAP)
- Dmitry Sklyut (Chariot Solutions)
- Florian Waibel (EclipseSource)

F2F Objectives

- Discuss work items

- Agree roadmap for 2011

- Discuss how we will work together

- Prepare new committers

Timings

- 8:45am coffee available

- 9:00am start

- 1-1:45pm lunch

- 5pm end

- 6pm Tuesday: dinner at The Chilworth Arms

- Wednesday: dinner TBA

- Please help yourself to drinks/snacks from our kitchen throughout the day

Agenda

	9am-1pm	Lunch	1:45pm-5pm

Tuesday (meeting room 2)	• Introductions, objectives, agenda
	• **Use cases**
	• **Kernel**
	  • User region rework - GN
	  • File system
	  • Startup order
	  • Spring DM/blueprint/Declarative Services
	  • Deployer extensibility
			• **Build & release**
			  • Virgo build - CF
			  • Rippling & releasing - CF
			  • Ant/Ivy/Maven/Tycho
			  • CI server - SP
			  • Amazon S3 publishing
			• **Provisioning**
			  • Artifact repository - SP
			  • p2

Wednesday (meeting room 2)	• **Comparing Virgo to others**
	• **Development & production modes**
	• **Web**
	  • Tomcat
	  • Jetty - CF
	  • snaps - CF
	  • Servlet 3.x
	  • Gemini Web
			• **Enterprise**
			  • JPA
			  • JNDI
			  • Datasources
			  • Security
			  • Batch
			• **Roadmap discussion**
			  • Indigo release train
			• **New committers**
			  • Coding/testing
			  • Documentation
			  • Community support

Thursday (meeting room 1)	• **Related projects**
	  • RT Packaging (RTP)
	  • Virgo Tooling
	  • OSGi Enterprise Tools
	• **Administration**
	  • Web console
	  • Shell
	• **Revisit roadmap**
	• **Brainstorming**
			• **Miscellaneous topics**
			  • inner frameworks code review
			  • repo overviews: kernel
			  • resolving & class loading in OSGi
			  • deployer extensibility
			  • p2/deployer discussion
			  • p2 publication and Virgo build

User Region Rework

- Change from nested frameworks

- To framework hooks:

  - Bundle event hook

  - Bundle find hook

  - Resolver hook

  - (Service registry hook)

New Committers

- Current contributors look promising :-)

- Committers support the community

  - answer queries on forum & virgo-dev

  - fix bugs

  - contributions & IP due diligence

- Committers are responsible for quality

  - documentation

  - samples

  - clean code, findbugs

  - testing: code coverage and platform coverage

  - CI server health

Coding

- Code style

- Javadoc

- "Clean" code

    - small classes & methods

    - minimal visibility

    - thread safety

Testing

- Unit tests of single classes

    - JUnit

    - Stubs or EasyMock mocks

    - Coverage

- Integration tests

- Smoke tests

- System verification tests

Technology Transfer

- Machine setup

- Software

- Accesses

Virgo Tooling

- Donation to Virgo

  - Bundlor

  - Eclipse tooling (Martin Lippert)

- Followed by refactoring

  - Move standards based tooling to WTP or PDE

Eclipse RT Packaging Project

- This is a new project proposal

- Florian Waibel is involved and will act as a link to Virgo

snaps Sub-project

- modular web apps

- sub-servlets composed using services

- forked from dm Server slices project

- prototype - not supported

- substantial community interest

- proposal to form a sub-project with its own committers

2.2/3.0 plan

- Jetty web server

- base user region on revised RFC 138

- upgrade Spring to 3.0.x

- donate tooling

- extend plans to contain URIs

- use Equinox instead of Felix services

  - logging, config admin, event admin

Unresourced Items

- p2 in repository chain

- move from Spring DM to Gemini Blueprint

- many more items in the backlog

SAP Topics

1. File system
    Problems
    Changed structure prototypes
2. Dependencies cleanup in Virgo Kernel
    Startup order
    Blueprint/Declarative services
3. Nested frameworks
    Regions and RFC 138
    Improved application isolation
4. Provisioning
    Installation
    Distributions
    Eclipse P2
5. Shell
    Improvements in usability/supportability
    Future directions (Equinox 3.7/3.8)
6. Web
    Tomcat
    Snaps
7. Security
    Security manager
    Sandbox
8. Roadmap discussion

Dmitry Sklyut's Topics

   1. JPA
1.1. Entities across multiple bundle (vs. current OSGi JPA spec)
1.2. Transaction management
2. JNDI
   2.1. Virgo specific JNDI provider
   2.2. Ability to suppress Tomcat JNDI system setting publication
3. DataSource configuration
   3.1. Including extensions to the Admin (possibly with Snaps and/or
       MetaType service)
4. Snaps
   4.1 Potential of support for Servlet 3.x "config fragments" as well as
annotations
5. First class support for Spring Batch
   5.1 Could end up a "killer" feature if jobs can be just dropped into pickup
       and configured from admin