

Virgo 3.6.0 Release Review



Planned Review Date: 12-19 December 2012

Communication Channel: Virgo forum

Glyn Normington (Project Lead)

Introduction

- Virgo Version 3.6 is the third major functional enhancement release since the contribution.
- Release contents
 - Tomcat based web servers for enterprise Java applications
 - Jetty based web server for enterprise Java applications
 - Kernel – base for web servers and other server types
 - Nano – small/fast kernel subset
 - Nano full – Tomcat OpenEJB based server for Java EE web profile applications
 - Snaps framework for modular OSGi web applications
 - Eclipse-based tooling
 - Documentation

Features

- The objectives of this release are support for Java EE Web Profile applications and an improved and extended web admin console.
- Major features:
 - Virgo Nano Full support for Java EE Web Profile support
 - New web admin console built into all deliverables, including Nano and Kernel
 - Shortened deployed paths to avoid win32 pathlength issues
 - Upgrade to Spring framework 3.1.0 and support Spring framework 3.2.x
 - Support Java 7
 - Bulk deployment in the Nano deployer
 - Enable Logback mbean and expose this on the web admin console
 - Add Virgo tooling support for Nano
 - Various dependency upgrades and diagnostic improvements

Non-Code Aspects

- User documentation:
 - User Guide
 - Programmer Guide
 - Snaps User Guide
 - Tooling Guide
 - 3.5 to 3.6 migration notes
 - A Guide to the GreenPages Sample
- I18n enabled, English resource files only

APIs

- The APIs in this release meet Eclipse Quality standards
- Migration from Virgo 3.5 is straightforward and documented

Architectural Issues

- None

Tool Usability

- Various improvements have been made to the Virgo tooling
 - Functional and usability improvements
 - Bug fixes

Incubation Content

- None

End-of-Life

- No issues

Bugzilla

- Fixed

Target Milestone								
Severity	3.5.1.RELEASE	3.6.0.M01	3.6.0.M02	3.6.0.M03	3.6.0.M04	3.6.0.M05	3.6.0.RELEASE	Total
	critical	<u>2</u>	.	<u>2</u>
	major	<u>1</u>	<u>2</u>	.	<u>1</u>	.	.	<u>4</u>
	normal	<u>1</u>	<u>31</u>	<u>16</u>	<u>17</u>	<u>32</u>	<u>14</u>	<u>120</u>
	minor	.	<u>2</u>	<u>3</u>	<u>1</u>	<u>4</u>	<u>1</u>	<u>11</u>
	trivial	<u>1</u>	<u>2</u>	.	.	<u>2</u>	<u>1</u>	<u>6</u>
	enhancement	.	<u>18</u>	<u>2</u>	<u>6</u>	<u>12</u>	<u>6</u>	<u>47</u>
	Total	<u>3</u>	<u>55</u>	<u>21</u>	<u>25</u>	<u>50</u>	<u>24</u>	<u>190</u>

Bugzilla

- Not fixed
- Major bugs are:
 - Problem packaging a certain WAR in the tooling
 - Problem with tooling when split across filesystem partitions
 - Problem deploying a sample (partially fixed)
 - Update site restructure proposal

Target Milestone						
Severity		---	3.5.1.RELEASE	3.6.0.RC1	3.6.0.RELEASE	Total
	major	<u>4</u>	.	.	.	<u>4</u>
	normal	<u>39</u>	.	<u>1</u>	<u>5</u>	<u>45</u>
	minor	<u>5</u>	.	.	.	<u>5</u>
	enhancement	<u>164</u>	<u>1</u>	.	<u>5</u>	<u>170</u>
	Total	<u>212</u>	<u>1</u>	<u>1</u>	<u>10</u>	<u>224</u>

Standards

- Virgo requires Sun Java 6 or Sun Java7
- Virgo supports OSGi v4.3
- The Gemini Web container provides support for Web Bundles as defined by OSGi Enterprise Spec v4.2
- Tomcat 7 and Jetty 8 provides underlying servlet 3.0 support
- Kernel uses OSGi standard framework hooks
- Virgo supports the OSGi Blueprint service, OSGi Declarative Services, OSGi JMX Management, and OSGi Log Service
- Virgo Nano Full integrates OpenEjb and other components providing Java EE Web Profile function

UI Usability

- Admin Console
 - No usability issues raised by users
 - New web admin console has much improved usability after adding several new features and fixing some bugs
- Shell
 - No usability issues raised by users

Schedule

- The Virgo 3.6 schedule has seen some minor slippage, but the 4Q2012 date has been communicated for quite some time now.

Communities

- Bugzilla in active use by users and contributors
- Virgo forum and virgo-dev similarly active
- Weekly Virgo community call
- Blogs
- Twitter is used for propagating news updates
- Committers have demo'd Virgo at EclipseCon and elsewhere
- Presentations at EclipseCon and OSGi conferences
- Interaction with Gemini, Equinox, Jetty, and Gyrex projects

IP Log

- The Eclipse IP policies and procedures have been followed
- Approved IP Log:
 - <https://bugs.eclipse.org/bugs/attachment.cgi?id=224568>