GlassFish V3 Prelude - WebTier Support Test Plan

Overview

1. Introduction

This one pager describes test spec for **Webtier component** supported by GlassFish v3 Prelude Release .

1.1. Name and e-mail of Document Author:

Sudipa Bhattacharya : Sudipa.Bhattacharya@sun.com

1.2 Date of This Document: 07/31/08
    Last Updated : 08/25/08

2. Webtier Testing Scenarios

2.1. Support for Java EE 5

The webtier for GlassFish v3 Prelude is based on the Java EE 5 specifications namely Servlet 2.5, JSP 2.1, JSTL 1.1 and JSF 1.2

All Tests from previous releases (AS 9.1) will be ported and executed on Glassfish V3 for the following components :

- Servlet 2.5
- JSP 2.1
- JSTL 1.1 and 1.2
- JSF 1.2

As part of regression testing, SQE will continue to run tests also for the following components :

- Servlet 2.4 and 2.3
- JSP 2.0 and 1.2
- JSTL 1.0

2.2 Web container refactoring

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  - Separate core servlet container into new web-core module
  - Remove dependency of web-core on com.sun renamed Apache commons modules
  - Remove dependency of web-core on commons-logging from servlet container
  - Remove dependency of web-core on commons-logging from Jasper
  - Remove dependency of web-core on commons-modeler
  - Remove connector related code duplication in web-core and Grizzly

- Remove request double-mapping
- Remove dependency of Jasper on GlassFish API
  - Restore setDtdResourcePrefix(), setSchemaResourcePrefix(), and MyEntityResolver in org.apache.jasper.xmlparser.ParserUtils
  - Add setEntityResolver() to org.apache.jasper.xmlparser.ParserUtils

SQE will continue to execute full set of Webtier tests as a check on any probable regression from code refactoring.

- Separate java.net projects JSTL, EL and JSP
  - OSGi binary bundles will be integrated into GlassFish.

This is assumed to be transparent to testing requirements . SQE will test the "default" bundle (after integration) for delivery of V3 Prelude.

- Tomcat alignment
  - Support for Tomcat valve in addition to the flattened valve architecture in GlassFish

SQE plan is for regression testing only. If new tests are required, that will be covered in FCS .

- Relevant bug fixes from Tomcat will also be ported over.

SQE assumption is that new unit tests will be incorporated for the Tomcat Bug fixes. SQE does not plan to write any test for these bug fixes

- Support for latest version of mod_jk will be available

SQE will test the configuration with latest supported version of mod_jk. One time effort before V3 Prelude Release.

- SSI and CGI support.

SQE will write basic tests to test the feature implementation for both CGI and SSI .

- WebDav

SQE will test WebDav on V3 for at least : IE 6 or 7 and MS Word 2002 or 2003.

- Advanced features
  - Dynamic reconfiguration, which was available in v2 but didn't make it into the TP2 release of GlassFish v3 will be done in time for the v3 Prelude release

One SQE resource is assigned to estimate and test this feature .
  - Monitoring support

One SQE resource is assigned to estimate and test this feature
  - Changes for Grizzly config. See Grizzly config 🔲 one pager.

One SQE resource is assigned to estimate and test this feature. A separate test plan will be created for Grizzly config and published duly.

- Comet support via Atmosphere (a sub-project of Grizzly) will also be available.

One SQE resource is assigned to estimate and test this feature. This will be part of Comet testing.

- JSF 1.2 will be integrated into v3 Prelude. There aren't any new features being added for the release.

Mostly just bug fixes.

One SQE Resource is assigned for JSF integration.

- For scripting support see the [Scripting one pager](#) 🔳

SQE resources are assigned for Scripting . Scripting [TestPlan](#) is available for the same.

3. Risks and dependancies

- Availability and stability of Monitoring framework
- Resolution of Admin Bugs and other Blocking bugs (e.g mod_jk)
- Stability of build

4. Document Review

4.1 Developer's Guide
4.2 Quick Start Guide
4.3 Release Note

5. Reference Documents

5.1 One Pager: Webtier One Pager for GlassFish v3: http://wiki.glassfish.java.net/Wiki.jsp?page=V3webtierFunctionalSpec