

### **Practical GlassFish**

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### glassfish.org



#### GlassFish » Community

#### **GlassFish Community**

Downloads

Announcements

Mailing lists

Discussion forums

+Using GlassFish

+ Samples

+ Developing GlassFish

Issue tracker

Go to Issue #

日本語

简体中文

+ Other Languages

Migration to GF

GlassFish v3

Samples

Grizzly



The GlassFish community is building free, open source, production-quality, enterprise software.

Announcing the Community Awards Program . to Encourage and Recognize Innovation.















### wiki.glassfish.java.net

Aquarium Core Webtier WS/XML Tools



#### Glassfish Wiki » GlassFishWiki

Your trail: GlassFishDay2008Sydney

#### Glassfish Wiki

GlassFish Wiki

GlassFish Day 07

About this Wiki

Using GlassFish

GlassFish User FAQ

Schedule for Milestones

GlassFish V2.1

GlassFish V2 UR1

GlassFish V2

GlassFish V3

GlassFish V1 UR1

Communication Server

Adoption

**Product Comparisons** 

Commercial Products

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Training and Certification

Events

Technology Areas

GlassFish Extras Catalog

Screencasts:

Tips and Blogs

General Getting Started Governance Wiki Editors

#### Welcome to the Community Wiki for Project GlassFish!

Project GlassFish is an open source community comprising of Users, Developers, Partners, and Evangelists creating an industry leading Java EE 5 compatible enterprise-quality Application Server (see Principles of Project GlassFish). In the common Open Source tradition, we encourage pluggability and reuse across many other communities and projects

The GlassFish Wiki is a valuable informational resource addressing the requirements of this broad community. The wiki is open for reading to all. Contributors to existing or new wiki topics need to have a registered user id.

Content in the wiki includes information for:

- Developers Using GlassFish
- · Developers Improving GlassFish
- · General Interest

#### General Information

#### RoadMaps - Upcoming releases

- Plan for GlassFish v1 UR1. the update to GlassFish v1 release
- GlassFishV1UR1 New page
- Plan for GlassFish v2 Upcoming release of GlassFish with clustering features
- Plan for GlassFish v2UR Upcoming update release of GlassFish v2

#### **Community News**

#### The Aquarium

Search

Using SSL with GlassFish
GlassFish v2 production
story - Karlowy Vary
International Airport
GlassFish on alternate
Mac VM
Grizzly Comet and
IceFaces driving your
presentation slides

Announcements

Project RSS Feed for Project



# blogs.sun.com/theaquarium

### The Aquarium

A blog that has nothing to do with fish ...







Main | Next page »



#### New GeoMap for GlassFish - February 08

Posted by pelegri in GlassFish



The Feb '08 data has been added into our GF Admin Console GeoMap:

- 303,673 Pings in Feb '08
- 2,184,074 Total cumulative pings (Since Feb '07)
- 36,394 Unique IPs in Feb '08
- 287,098 Total Unique IPs (Since Feb '07)

We also have the download numbers and they are our best so far; even better than Last Month, I'm composing a longer note with more details that I'll push in a few days; stay tuned.

Tags: adoption geomap glassfish mashup











#### GlassFish and PHP5 (Quercus) on OpenSUSE

Posted by pelegri in Web.Next



New blogger! Siegfried Bolz is working on his Diplom-Informatiker in Computer Science in Munich and joined the blogosphere with a nice set of notes.

His first entry shows how to run GlassFish v2 with Quercus (i.e. PHP5) on OpenSUSE 10.1. Given the earlier news on Frank and

LANGUAGES

#### english 简体中文 español 日本語 русский

**NEWS AND EVENTS** DOWNLOADS

Connect and Participate Try GlassFish for a chance to win an iPhone! » Participate Now





POPULAR TAGS

adoption ajax clustering community fastinfoset frontpage alassfish

glassfishday grizzly hudson japex java javaee javaone jax-rs jax-ws jaxb jboss jcp jersey imaki jruby jsf jsp maven metro netbeans opends opensource opensso















### Installers

- "jar" GlassFish installer from glassfish.org (java.net)
  - > java -jar glassfish\*.jar
  - > ant -f setup.xml
  - developer and cluster profiles
- Community-contributed IzPack Installer
  - Same as above with graphical UI, single archive for multiple platforms, does install, config, startup, and shows admin page
  - http://izpack.org/showcase-glassfish-v2/



# Installers (cont.)

- SJS Application Server installers
  - Native Package-based (linux and Solaris). Need "root" privileges
  - > File-based (with HADB and JDK, or without)
  - > IFR (Java ES)
  - > All of the above add support for *enterprise* profile (HADB)
- Linux distros
  - > Debian
  - > Ubuntu multiverse
  - more in the works, help welcome



### Which profile do I use?

- GlassFish bits
  - > setup-cluster.xml
  - > setup.xml
- SJS AS bits
  - > Set in AS\_ADMIN\_PROFILE in config/asadminenv.conf
- "developer" profile can be used in production
- Can upgrade from Developer to Cluster
- Further details:
  - http://docs.sun.com/app/docs/doc/819-3671/gelvk
  - > Example: jms-service is EMBEDDED, LOCAL, or REMOTE

	Developer	Cluster	Enterprise
Security KeyStore	JKS	JKS	NSS
Security Manager	Disabled	Disabled	Enabled
JVM™software	Client	Client	JDK"
HTTP access log	Disabled	Disabled	Enabled
GMS Heartbeat	Disabled	Enabled	Enabled
Cluster creation	Not Allowed	Allowed	Allowed
Session Repl.	Not Allowed	Allowed	Allowed

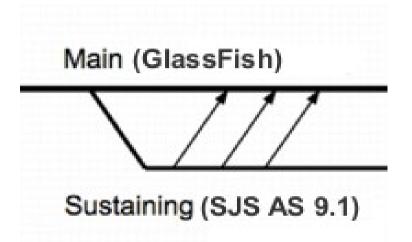


### Releases

- Major release
  - SlassFish v2 == SJS AS 9.1 (Sept. '07)
- Dot release
  - SlassFish v2.1 == SJS AS 9.1.1 (June '08)
- Update Release
  - SlassFish v2ur1 == SJS AS 9.1ur1 (Dec '07)
- Patch releases
  - Potentially every 6 weeks
  - For supported customers only

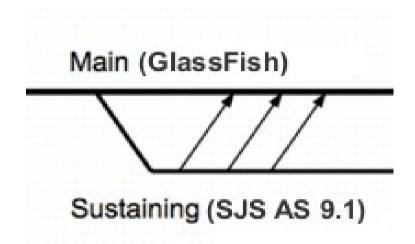


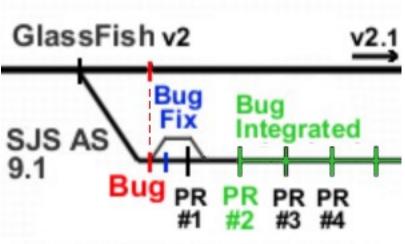
# Sustaining branch (patches)





# Sustaining branch (patches)

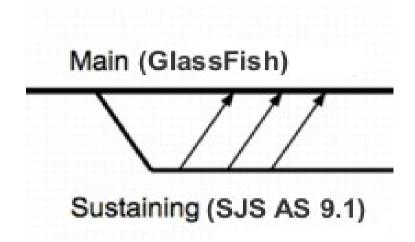


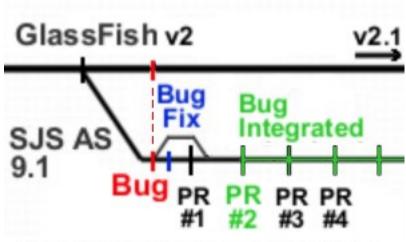


PR: Patch Release via SunSolve

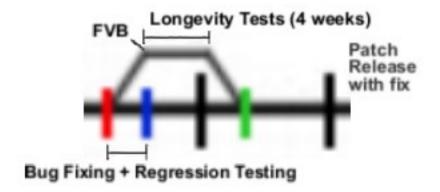


# Sustaining branch (patches)



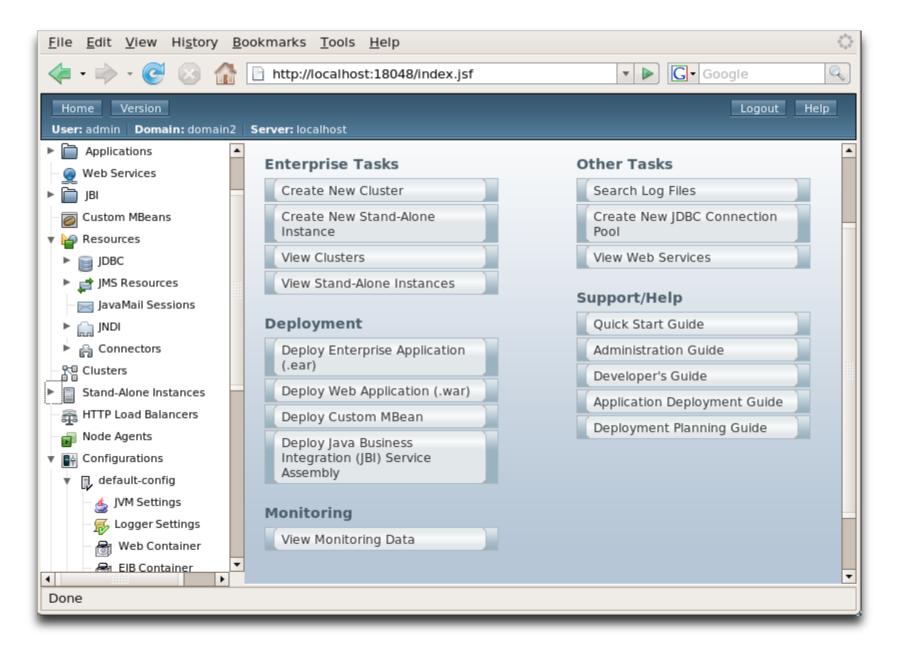


PR: Patch Release via SunSolve





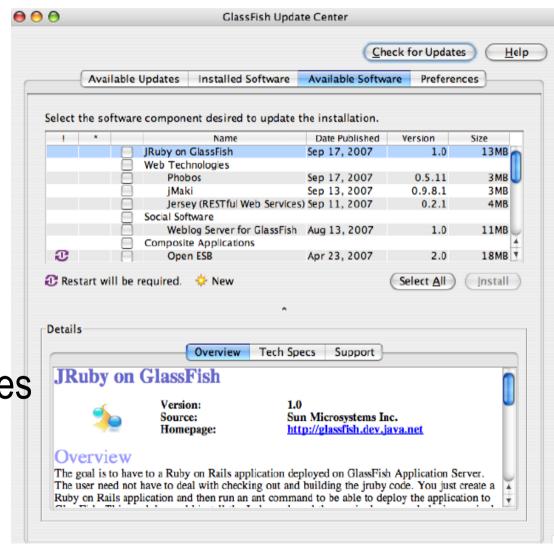
### **Web Admin Console**





### GlassFish Update Center

- jRuby On Rails
- Jersey
- jMaki
- Open ESB
- Roller
- OpenSSO
- Portal
- Java EE tutorial & samples
- •
- your own extension



GLASSFISH\_INSTALL/updatecenter/bin/updatetool http://updatecenter.dev.java.net



### Useful asadmin commands

list-domains undeploy

list-\* backup-domain

create-domain restore-domain

start-domain list-backups

stop-domain generate-diagnostic-report

deploy generate-jvm-report

deploydir get/set

- > All available in: interactive, batch, multimode
- > Closest command
- Can configure auto-complete\*

<sup>\*:</sup> http://blogs.sun.com/harsha/entry/command\_line\_completion\_in\_glassfish



### asupgrade

- Upgrade a domain's applications, resources, and configuration
- Option #1: Side-by-Side Upgrade
- Option #2: In-place Upgrade









Confidential data appears in the generated report as listed in the Confidential Properties table. To mask properties, use the create-password-alias and set commands.

Generate Report For:	Entire domain		
	Cluster LocalCluster +		
	○ Instance xwing1 ‡		
	Node Agent Alexis-MPs-MacBook.local +		
Description:			
Bug IDs:			
	Comma separated		
Server Log Start Date:			
	mm/dd/yyyy		
Server Log End Date:			
	mm/dd/yyyy		
onfidential Properties (3			
onfidential Properties			
omain/configs/config=server-config/jms-service/jms-host=default_JMS_host/admin-password="admin"			
omain/configs/config=default-config/jms-service/jms-host=default_JMS_host/admin-password="admin"			
omain/configs/config=Loc	alCluster-config/jms-service/jms-host=default_JMS_host/admin-password="admin"		

Generate Report



# Migrate to GlassFish

- AVK (Application Verif. Kit)
  - > Tests for Java EE portability (Java EE 5 or J2EE 1.4)
  - Does static, dynamic and packaging verifications
  - Available as ANT tasks
  - > GlassFish-agnostic
  - http://java.sun.com/j2ee/avk/
- Migration tool
  - > Picks up where AVK left off
  - Open Source tool at http://migrate2glassfish.dev.java.net
  - > Automate migration from Tomcat, JBoss, WebSphere, WebLogic, and previous versions of Sun App Server
  - > GlassFish-specific





### **Documentation**

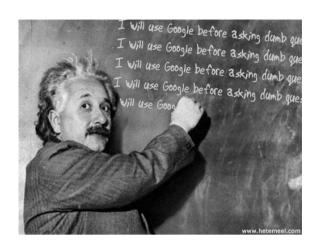
- Online contextual help in Web Console
- asadmin --help
- Latest stable documentation
  - http://docs.sun.com/app/docs/coll/1343.4
  - > Title "Sun Java System AS" but equally applies to GlassFish
- Documentation drafts
  - https://glassfish.dev.java.net/javaee5/docs/DocsIndex.html
- The Java EE 5 Tutorial
  - http://java.sun.com/javaee/5/docs/tutorial/doc/index.html





# Where to ask questions?

- User Forum or Mailing List (cross-posted)
  - > Anything technical
  - > USERS@glassfish.dev.java.net
  - http://forums.java.net/jive/forum.jspa?forumID=56
- theaquarium@sun.com
  - > Anything makerting/partner/community-related (private)
- advocacy@glassfish.dev.java.net
  - > Anything makerting/partner/community-related (public)
- Your own community/network
  - developpez.com has a French-speaking active GlassFish forum
  - > (other...)





# Where to file bugs

- We love bug reports! Seriously!
  - > We like patches too...
  - > We reward both. See http://glassfish.org/GAP



- https://glassfish.dev.java.net/servlets/ProjectIssues
- > Please specify Bug (Defect) or RFE (Enhancement)
- > The better the report, the more chances of getting a fix
- > Feel free to discuss in public (issue tracker or mailing list)
- Using your Sun support contract
  - Only way to escalate a problem





# Questions?

alexis.mp@sun.com http://blogs.sun.com/alexismp