Practical GlassFish

Alexis Moussine-Pouchkine
GlassFish Team
Sun Microsystems

glassfish.org

wiki.glassfish.java.net

blogs.sun.com/theaquarium

The Aquarium
A blog that has nothing to do with fish ...
... but everything to do with Open Source Java EE, XML, SOA and more ...

Download Now GlassFish v2 FINAL

Commercial Support Now Worldwide!

Main | Next page »

MAR 08 4

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

MAR 08 4

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

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

SEARCH

[Search]

POPULAR TAGS

adoption ajax clustering community fastinfoset frontpage glassfish glassfishday grizzly hudson japex java javaee javaone jax-rs jax-ws jaxb jboss jcp jersey jmaki jruby jsf jsp maven metro netbeans opends opensource opensso

DOWNLOADS

GlassFish
OpenDS
OpenPortal
OpenSSO
Open Access . Open Federation
OpenESB

EVENTS

GlassFish Day
Hyderabad
Feb 29, 2008

Sydney
March 6th 2008
GlassFish Day

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?

	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

- 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

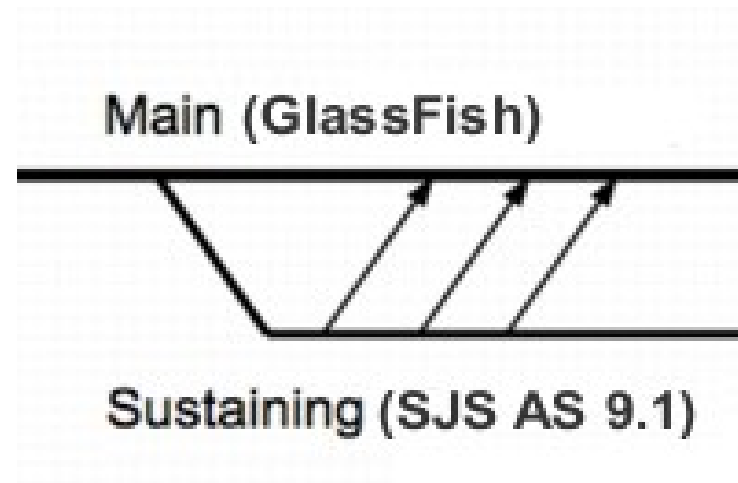# Releases

- Major release
  - > GlassFish v2 == SJS AS 9.1 (Sept. '07)

- Dot release
  - > GlassFish v2.1 == SJS AS 9.1.1 (June '08)

- Update Release
  - > GlassFish v2ur1 == SJS AS 9.1ur1 (Dec '07)

- Patch releases
  - > Potentially every 6 weeks
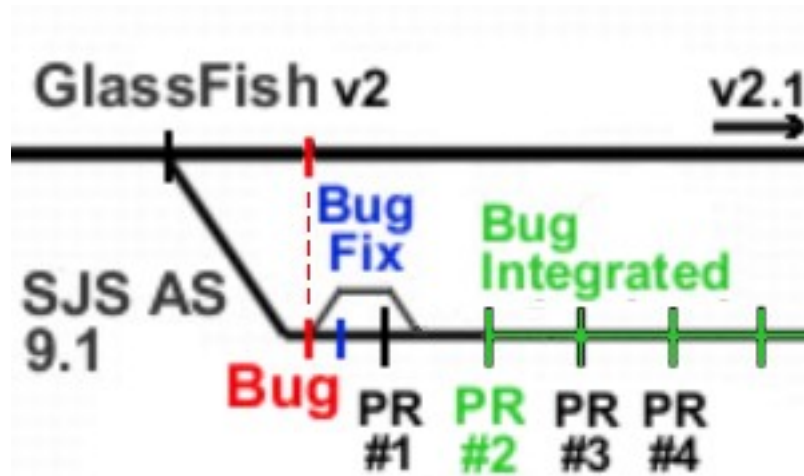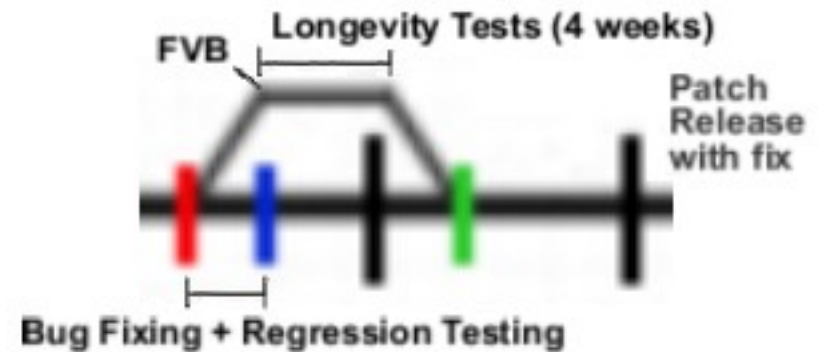 - > For supported customers only

Sustaining branch (patches)
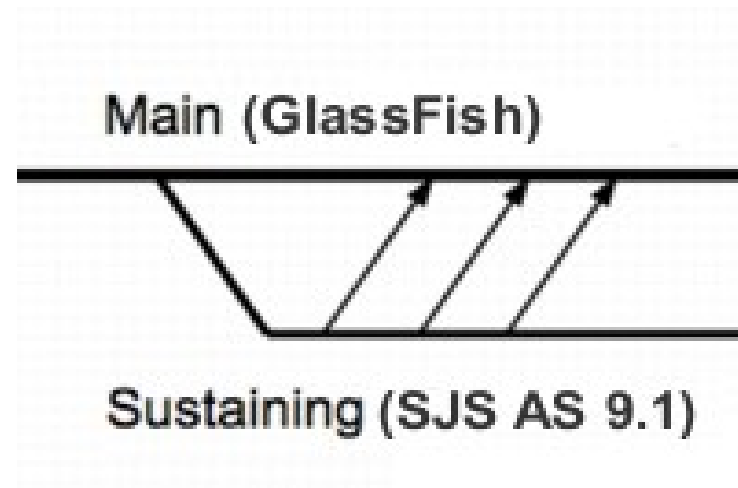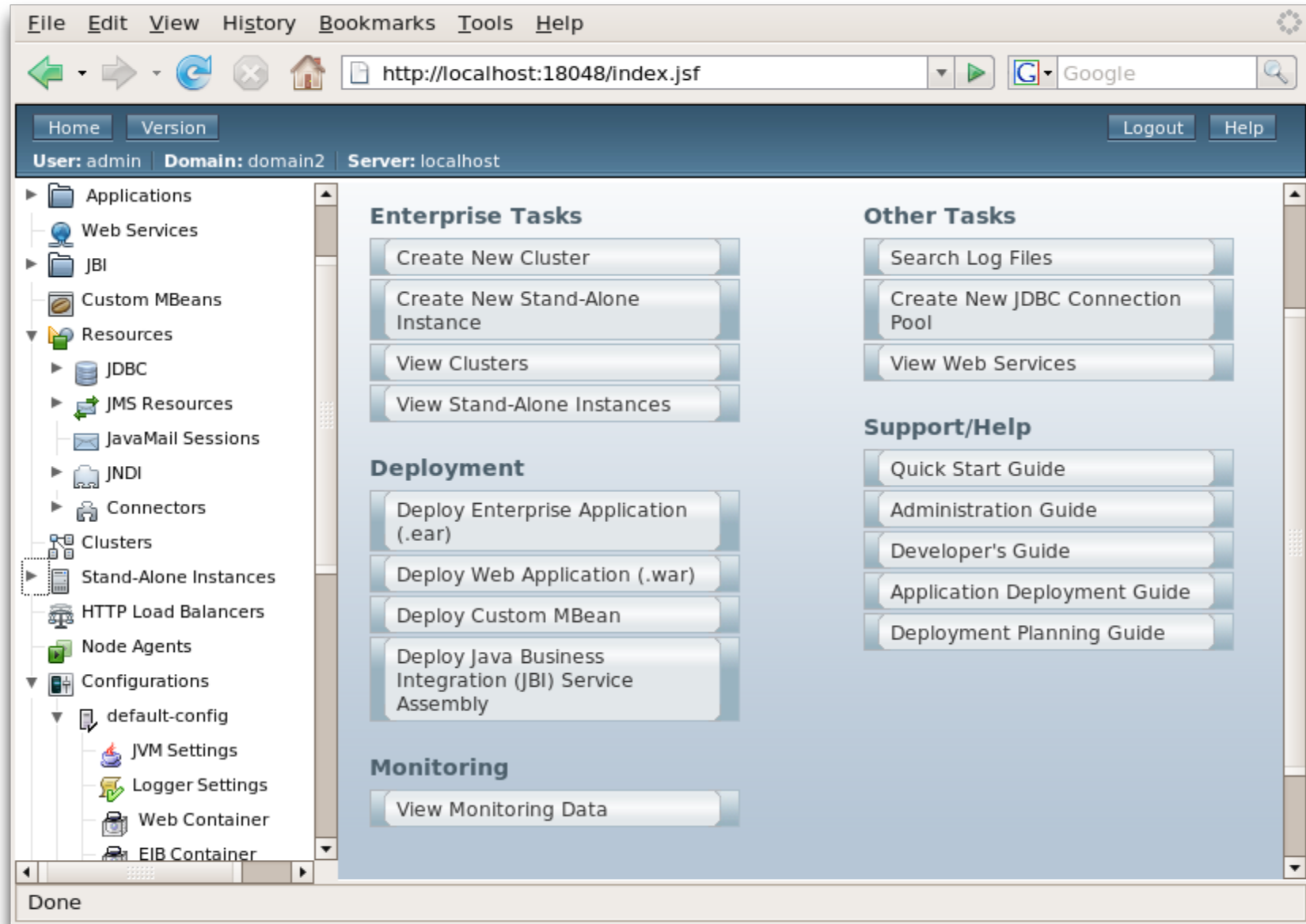
Sustaining branch (patches)

Sustaining branch (patches)
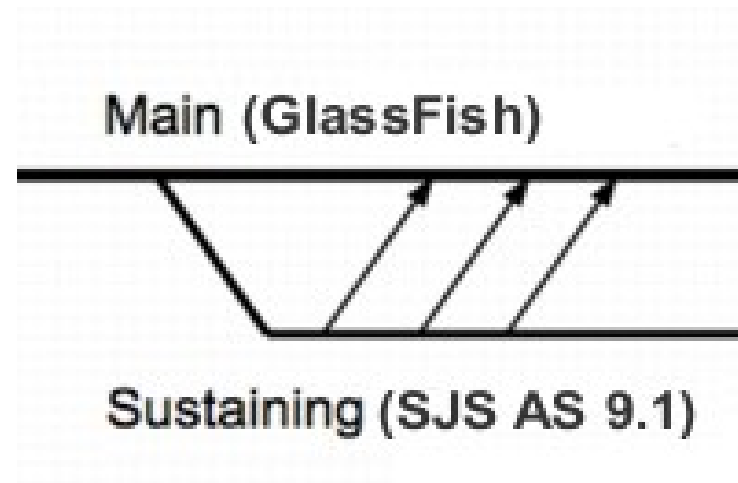
Web Admin Console

GlassFish Update Center

- jRuby On Rails
- Jersey
- jMaki
- Open ESB
- Roller
- OpenSSO
- Portal
- Java EE tutorial & samples
- ...
- *your own extension*
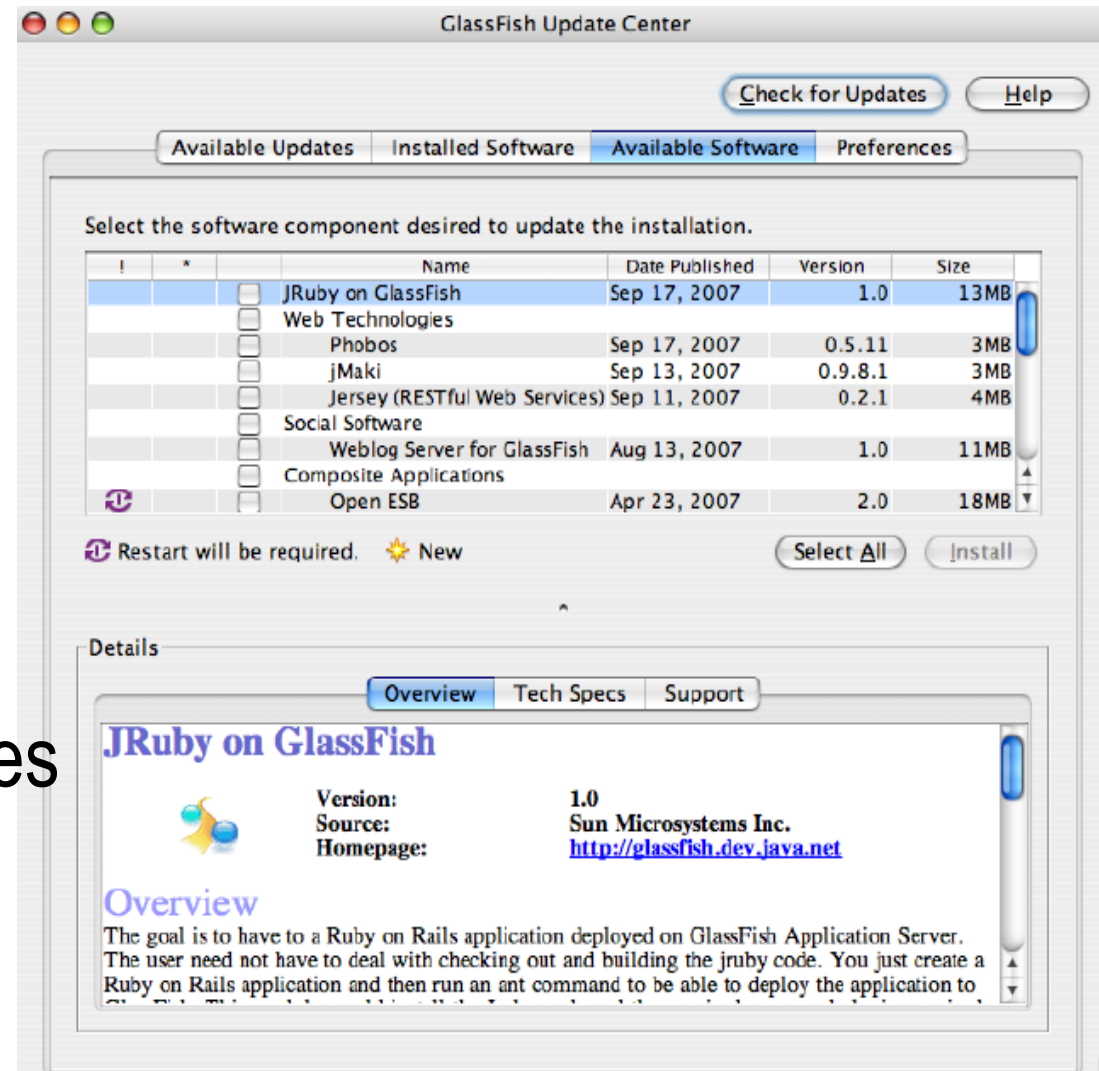
`GLASSFISH_INSTALL/updatecenter/bin/updatetool`
http://updatecenter.dev.java.net

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*

*: 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
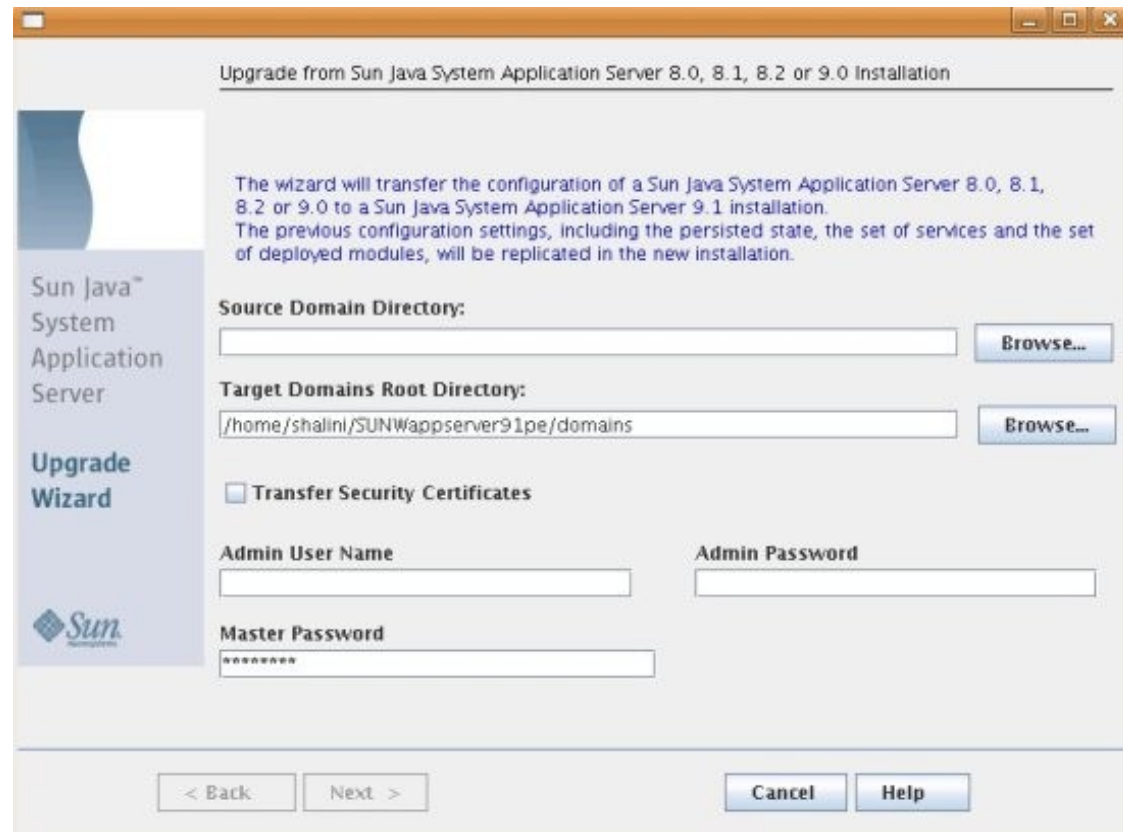
Generate Diagnostic Report

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

Confidential Properties (3)

Confidential Properties
domain/configs/config=server-config/jms-service/jms-host=default_JMS_host/admin-password="admin"
domain/configs/config=default-config/jms-service/jms-host=default_JMS_host/admin-password="admin"
domain/configs/config=LocalCluster-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 1.0
for GlassFish

- 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...)
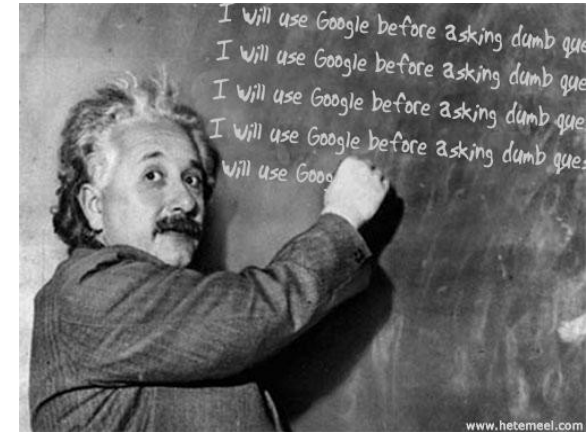
Where to file bugs

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

- java.net Issue Tracker
  - > 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