**Installing & Configuring Glassfish in Linux Server**

**Download:**

Login to the server using Putty

Download glassfish using below commands,

wget <http://download.oracle.com/glassfish/4.1.2/release/glassfish-4.1.2.zip>

(this will download glassfish in zip format)

Unzip the glassfish folder using,

unzip <zip file name>

**unzip glassfish-4.1.2.zip**

**Configuration:**

By default, glassfish server has username as **admin** & password is empty [no password]

**cd glassfish4/bin**

Change the default password for admin,

**Syntax**: ./asadmin change-admin-password --user <user-name>

**./asadmin change-admin-password --user admin**

(this will prompt for current password. Since password is nothing, just press enter. Then it will prompt for new password & confirm new password)

Start the default domain – domain1

Glassfish comes with a default domain – domain1

To start the domain,

**Syntax**: ./asadmin start-domain <domain-name>

**./asadmin start-domain domain1**

Enable secure domain for domain1,

(This is to open the default port 4848 with https)

**Syntax**: ./asadmin --port <port number> enable-secure-admin

**./asadmin --port 4848 enable-secure-admin**

Now try to open the server in browser,

https://<instance name>:4848 . This should open the login page of Glassfish server.

To Stop the domain,

**Syntax**: ./asadmin stop-domain <domain-name>

**./asadmin stop-domain domain1**

To kill the domain,

If stopping domain, doesn’t respond, then try killing the domain

**ps aux | grep java**

This will provide a result with a Process ID.

**Syntax**: **kill -9 <process ID value>**

**Kill -9 17072**

To create a **new domain** **demo-domain** to run on **port 5048**,

**./asadmin create-domain --adminport 5048** **demo-domain**

then follow the below process,

* Enable secure domain

./asadmin --port 5048 enable-secure-admin

* Start the domain,

./asadmin start-domain demo-domain

To Create Data source from command line,

**Creating a data source in default domain**:

**Creating JDBC POOL<Step 1>:**

./asadmin create-jdbc-connection-pool --restype javax.sql.DataSource --datasourceclassname oracle.jdbc.pool.OracleDataSource --property "user=ep\_custom:password=Lib\_3rty:url=jdbc\\:oracle\\:thin\\:@zsqdb.sac.flextronics.com\\:1995\\:ZSQ" EPO\_POOL

**Creating JDBC Resource<Step 2>:**

./asadmin create-jdbc-resource --connectionpoolid EPO\_POOL jdbc/myapps

**Creating a data source in specific domain running on specific port - 5048**:

**Creating JDBC POOL<Step 1>:**

./asadmin create-jdbc-connection-pool --port **5048** --restype javax.sql.DataSource --datasourceclassname oracle.jdbc.pool.OracleDataSource --property "user=ep\_custom:password=Sp0rts\_day:url=jdbc\\:oracle\\:thin\\:@zsddb.sac.flextronics.com\\:1995\\:ZSD" **EPO\_POOL**

**Creating JDBC Resource<Step 2>:**

./asadmin create-jdbc-resource --connectionpoolid EPO\_POOL jdbc/myapps

**Tricks to reset password:**

If you forgot the password for the admin console, follow the below steps :

cd glassfish4/glassfish/domains/domain1/config

vi admin-keyfile

Copy & take a back up of the content.

Delete the file content & replace with the below content,

admin;{SSHA256}UV9EsTaoxzAdtxiNMKTkb3g0WjnoUBEBgpDQIGSdOu8QhprFoWiSCw==;asadmin

save the file & quit the vi editor

The above encrypted content is equivalent to value: **changeit**

Now restart the domain & open the console with below credentials

Username : admin

Password : changeit

To change the password from changeit to anything else,

Go to bin directory in Putty,

./asadmin change-admin-password --user admin

[it will prompt for existing password. Enter as changeit & provide the new password]