

# Grouper v2.3.0 upgrade from v2.2.2 on the demo server

We will be cloning and upgrading the grouper demo server WS, UI, and loader. We want to keep the 2.2.2 version up there.

## Tomcats for UI and WS

We have a bunch of tomcats, and will list the 2.2 tomcats and assign new ones

| Tomcat name | Grouper Version | Function |
|-------------|-----------------|----------|
| tomcat_d    | 2.2.2           | UI       |
| tomcat_i    | 2.2.2           | WS       |
| tomcat_f    | 2.3.0           | UI       |
| tomcat_g    | 2.3.0           | WS       |

## Migrate data to new database

Lets create the new schemas. I use SqlYog for MySQL to create a schema, set the pass, and migrate data. Note, using UTF-8 and bin collation. I exported a script and imported but the views werent there so I ran

```
./gsh -registry -deep -runscript
```

## Copy the UI and WS

```
[appadmin@i2midev1 tomcat_f]$ rm -rf webapps/grouper_v1_6
[appadmin@i2midev1 tomcat_f]$ rm -rf logs/
Display all 108 possibilities? (y or n)
[appadmin@i2midev1 tomcat_f]$ rm -rf logs/*
[appadmin@i2midev1 tomcat_f]$ /sbin/service tomcat_f stop
Shutting down tomcat_f Tomcat services:
Using CATALINA_BASE:   /opt/tomcats/tomcat_f
Using CATALINA_HOME:   /opt/tomcat6base
Using CATALINA_TMPDIR: /opt/tomcats/tomcat_f/temp
Using JRE_HOME:        /opt/javas/java_f
Using CLASSPATH:       /opt/tomcat6base/bin/bootstrap.jar
Waiting for exit...
[appadmin@i2midev1 tomcats]$ mv tomcat_f/webapps/grouper_v2_2 tomcat_f/webapps/grouper_v2_3

[appadmin@i2midev1 tomcat_g]$ /sbin/service tomcat_g stop
Shutting down tomcat_g Tomcat services:
Using CATALINA_BASE:   /opt/tomcats/tomcat_g
Using CATALINA_HOME:   /opt/tomcat6base
Using CATALINA_TMPDIR: /opt/tomcats/tomcat_g/temp
Using JRE_HOME:        /opt/javas/java_g
Using CLASSPATH:       /opt/tomcat6base/bin/bootstrap.jar
Waiting for exit...
Waiting for exit...
Waiting for exit...
[appadmin@i2midev1 tomcat_g]$ rm -rf webapps/grouper-ws_v2_0_0*
[appadmin@i2midev1 tomcat_g]$ cp -R ../tomcat_i/webapps/grouper-ws_v2_2 webapps
[appadmin@i2midev1 tomcat_g]$ cp -R ../tomcat_i/clients .
[appadmin@i2midev1 tomcats]$ mv tomcat_g/webapps/grouper-ws_v2_2 tomcat_g/webapps/grouper-ws_v2_3

[appadmin@i2midev1 tomcats]$ cp -R tomcat_d_gsh tomcat_f_gsh
[appadmin@i2midev1 tomcats]$ mv tomcat_f_gsh/webapps/grouper_v2_2 tomcat_f_gsh/webapps/grouper_v2_3
```

Edit the apache config

```

ProxyPass /grouper_v2_3/ ajp://localhost:8131/grouper_v2_3/

ProxyPass /grouper-ws_v2_3/ ajp://localhost:8141/grouper-ws_v2_3/

#match anything that is not grouperExternal
<LocationMatch ^/grouper_v2_3[^/]*(?!grouperExternal/).*>
  AuthType shibboleth
  ShibRequestSetting requireSession 1
  require valid-user
</LocationMatch>

#match anything that is grouperExternal, note, this could be a different authn system
<LocationMatch ^/grouper_v2_3[^/]/grouperExternal/.*>
  AuthType shibboleth
  ShibRequestSetting requireSession 1
  require valid-user
</LocationMatch>

<LocationMatch ^/grouper-ws_v2_3.*>
  AuthType Basic
  AuthName "By Invitation Only"
  AuthUserFile /etc/httpd/conf.d/users.pass
  Require valid-user
</LocationMatch>

```

Point the config files to point to new database:

- change morphString.properties, encrypt new passes in external files
- edit the three grouper.hibernate.properties files
- edit grouper.properties (ui url and email pass)
- change the log4j.properties
- copy the v2\_2 init.d scripts and chkconfig it so its a service and starts at startup

Bring up the UI/WS/loader. Note it will be pointing to the new database, new tomcat, but with 2.2.2 code and schema. Try it out

UI: [https://grouperdemo.internet2.edu/grouper\\_v2\\_3/](https://grouperdemo.internet2.edu/grouper_v2_3/)

WS: [https://grouperdemo.internet2.edu/grouper-ws\\_v2\\_3/tierApiAuthz/v1/Groups/name:test:testGroup/Members/id:test?indent=true](https://grouperdemo.internet2.edu/grouper-ws_v2_3/tierApiAuthz/v1/Groups/name:test:testGroup/Members/id:test?indent=true)

loader: [appadmin@i2midev1 classes]\$ /sbin/service grouper\_v2\_3\_loader start

## Upgrade UI / WS / loader

- Stop the services:

```

/sbin/service tomcat_f stop
/sbin/service tomcat_g stop
/sbin/service grouper_v2_3_loader stop

```

- Run the installer in upgrade mode on the loader, ui, and ws

```

[appadmin@i2midev1 grouper_2_3_upgrade]$ wget http://software.internet2.edu/grouper/release/2.3.0/grouperInstaller.jar
[appadmin@i2midev1 grouper_2_3_upgrade]$ java -jar grouperInstaller.jar

UI or WS

/opt/tomcats/tomcat_f/webapps/grouper_v2_3
/opt/tomcats/tomcat_f_gsh/webapps/grouper_v2_3
/opt/tomcats/tomcat_g/webapps/grouper-ws_v2_3

```

- Start the services

```
/sbin/service tomcat_f stop  
/sbin/service tomcat_g stop  
/sbin/service grouper_v2_3_loader stop
```