

# Grouper upgrade demo server from v2.3 to v2.4

Here are the [upgrade instructions](#)

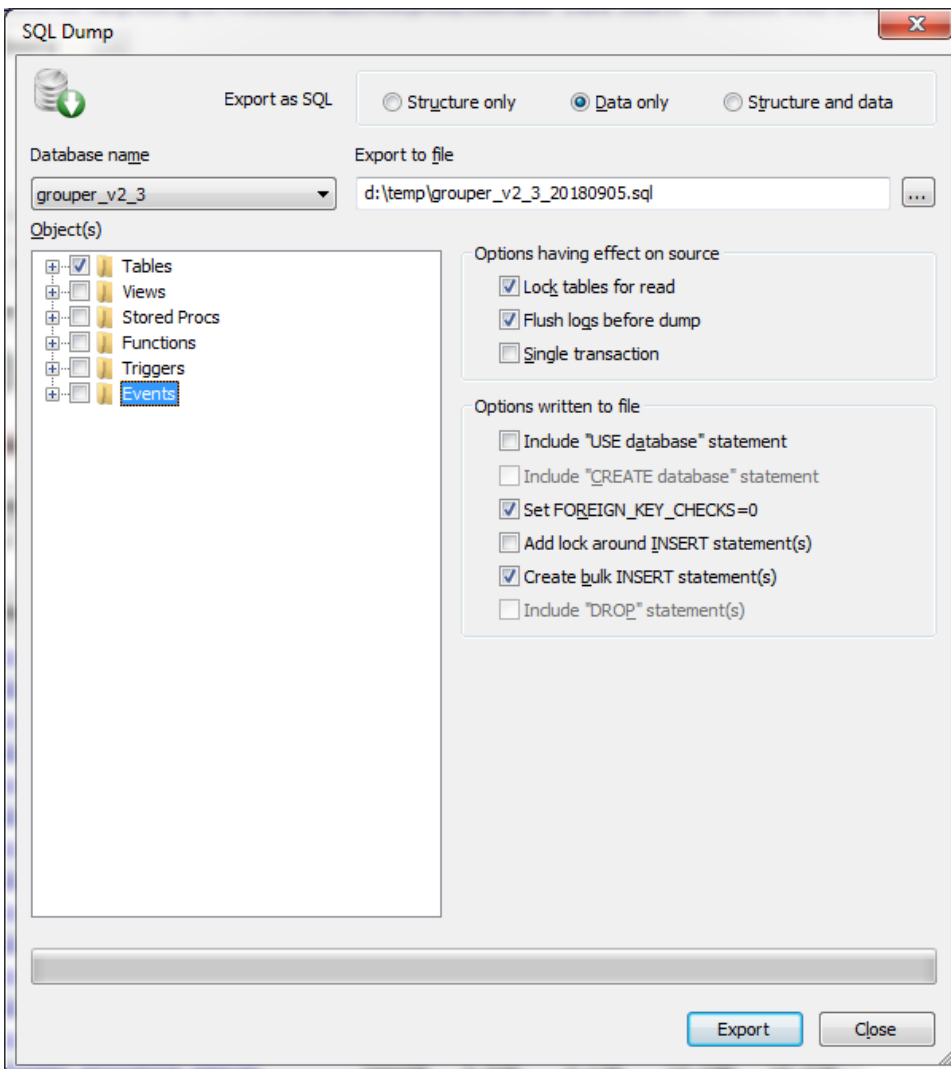
## UI

On the demo server we want 2.3 to persist as an example, so we have to keep whats there and make a new env in a new tomcat and new database. On an typical upgrade you will not keep the old env up and running like we do on the demo server, so ignore steps: 1, 2, 5, 8, 9, 10

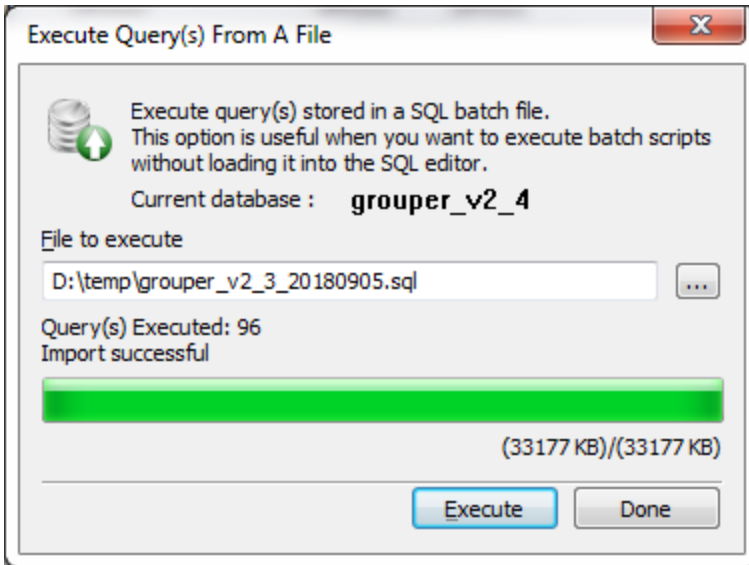
1. Create new mysql database, grouper\_v2\_4, utf8, utf
2. Create a new user/pass with rights to that database
3. Copy tomcat 8.5 from installer download
4. Configure tomcat to use java8
5. Copy the 2.3 webapp to the new tomcat, rename the dir, and change the database connect information to the new 2\_4 database
6. Convert sources.xml to subject.properties if not done already
7. Convert ehcache.xml to grouper.cache.properties if not done already
8. Create tables in the database

```
[appadmin@i2midev6 bin]$ ./gsh -registry -runscript
```

9. Copy data from 2.3 to 2.4 using SQLYog



Note, there was an error about foreign keys, so I truncated the tables, rearranged the SQL a tad, and did it again and it was success.



10. Change log directory
11. Change the AJP connector in tomcat to allow REMOTE\_USER from apache/shib

```
<Connector port="8091" protocol="AJP/1.3" redirectPort="8443" tomcatAuthentication="false"
```

12. Turn on the env and see that it works
13. Upgrade Grouper

```
[appadmin@i2midev6 upgrade]$ wget https://software.internet2.edu/grouper/release/2.4.0/grouperInstaller.jar
[appadmin@i2midev6 upgrade]$ java -jar grouperInstaller.jar
upgrade
ui
/opt/tomcats/tomcat_b/webapps/grouper_v2_4
run the change log temp to change log
revert all patches
```

This might not need to be done since we will fix it, but I reviewed jars for redundant jars, and see that I need to remove these:

```
subject.jar
```

14. Turn on and done!

## WS

1. Copy tomcat 8.5 from installer download
2. Configure tomcat to use java8
3. Copy the 2.3 webapp to the new tomcat, rename the dir, and change the database connect information to the new 2\_4 database
4. Convert sources.xml to subject.properties if not done already

```
[appadmin@i2midev6 upgradeWs]$ java -jar grouperInstaller.jar
Do you want to 'install' a new installation of grouper, 'upgrade' an existing installation,
'patch' an existing installation, 'admin' utilities, or 'createPatch' for Grouper developers
(enter: 'install', 'upgrade', 'patch', 'admin', 'createPatch' or blank for the default) [install]:
admin
What admin action do you want to do (manage, upgradeTask, develop)? : upgradeTask
What upgrade task do you want to do (convertEhcacheXmlToProperties, convertSourcesXmlToProperties)? :
convertSourcesXmlToProperties
Note, you need to convert the sources.xml file for each Grouper runtime, e.g. loader, WS, UI.
Note, to use subject sources from subject.properties, you need to be running Grouper 2.3.0+ with API
patch 40 installed.
Enter the location of the sources.xml file: /opt/tomcats/tomcat_e/webapps/grouper-ws_v2_4/WEB-INF/classes
/sources.xml
Enter the location of the subject.properties file [/opt/tomcats/tomcat_e/webapps/grouper-ws_v2_4/WEB-INF
/classes/subject.properties]:
File was written: /opt/tomcats/tomcat_e/webapps/grouper-ws_v2_4/WEB-INF/classes/subject.properties
You should archive your sources.xml and remove it from your project since it is now unused:
/opt/tomcats/tomcat_e/webapps/grouper-ws_v2_4/WEB-INF/classes/sources.xml
[appadmin@i2midev6 upgradeWs]$
```

5. Convert ehcache.xml to grouper.cache.properties if not done already
6. Change log dir in log4.properties, and create log dir if not exist
7. Upgrade Grouper

```
[appadmin@i2midev6 upgrade]$ wget https://software.internet2.edu/grouper/release/2.4.0/grouperInstaller.jar
[appadmin@i2midev6 upgrade]$ java -jar grouperInstaller.jar
upgrade
ws
/opt/tomcats/tomcat_e/webapps/grouper-ws_v2_4
run the change log temp to change log
revert all patches
```

This might not need to be done since we will fix it, but I reviewed jars for redundant jars, and see that I need to remove these:

```
subject.jar
```

8. [Convert vt-ldap to ldapive](#)

```

##### Change subject.properties

# link back to grouper-loader.
properties
subjectApi.source.cmuDirectory.param.ldapServerId.value = cmuLdap

# e.g. com.sun.jndi.ldap.
LdapCtxFactory

#subjectApi.source.cmuDirectory.param.INITIAL_CONTEXT_FACTORY.value = com.sun.jndi.ldap.
LdapCtxFactory

# e.g. ldap://localhost:
389

#subjectApi.source.cmuDirectory.param.PROVIDER_URL.value = ldap://ldap.andrew.cmu.edu:
389

# e.g. simple, none,
saslmach

#subjectApi.source.cmuDirectory.param.SECURITY_AUTHENTICATION.value =
none

##### Change grouper-loader.properties

#####

## LDAP
connections

#####

# specify the ldap connection with user, pass,
url
# the string after "ldap." is the ID of the connection, and it should not
have
# spaces or other special chars in it. In this case is it
"personLdap"

#note the URL should start with ldap: or ldaps: if it is
SSL.
#It should contain the server and port (optional if not default), and
baseDn,
#e.g. ldaps://ldapserverschool.edu:636/dc=school,
dc=edu
ldap.cmuLdap.url = ldap://ldap.andrew.cmu.edu:
389

```

9. Turn on and done!