# Torrent Scout Light Maintenance and Troubleshooting

## Admin Web Page

The admin web page shows the nr of active sessions, and shows info on each session. Sessions can be cancelled. It is also possible (but not recommended) to redeploy the app via this interface if necessary

<http://someserver:8080/manager/html> (tomcat/tomcat)

Example : <http://rnd3.itw:8080/manager/html>

# Tomcat Configuration Files

## Tomcat Users

File with user information to ccess to web admin interface(to deploy, undeploy, check sessions etc)

/etc/tomcat6/tomcat-users.xml

## Application (TSL and TL)

Torrent Scout Light Application file:

/var/lib/tomcat6/webapps/TSL.war

Torrent Scout Application file:

/var/lib/tomcat6/webapps/torrentscout.war

## Memory

Tomcat Java memory and User Settings:

/etc/default/tomcat6

The relevant line is this one:

JAVA\_OPTS="-Djava.awt.headless=true -Xms2048m -Xmx8000m -XX:MaxPermSize=512M"

* If error messages indicate a “PermSpace” error, incease MaxPermSize
* If error messages indicate “HeapSpace” or other “out of Memory “ problems, increase the –Xmx va;ie

## Performance File:

This is currently not used as a lot of settings don’t seem to work reliably.

Context.xml file for performance Settings:

/var/lib/tomcat6/conf/context.xml

## Log files

/var/logs/tomcat6/catalina.out

/var/logs/tomcat6/tsl\_performance.csv

# Tomcat related tasks

## Restart Tomcat

Sudo /etc/init.d/tomcat6 restart

## Check log for errors

Tail –n 500 –f /var/log/tomcat6/catalina.out

## Check if server is running

Open browser and point to admin web page (<http://someserver:8080/manager/html>)

## Check amount of free memory for Tomcat

Open TSL app (<http://someserver:8080/TSL>) and click on Help

## Deploy app (such as bug fix)

* Copy TSL.war to /var/lib/tomcat6/webapps (make sure you have write permission…)
* May need to restart server (it sometimes notices itself, but not always :-)

# Troubleshooting

## User reports « Internal Error » in browser

* Most likely out of memory error (check text message)
* Restart server (you could try to close the session that is causing trouble first via admin interface)

## User reports that TSL does not respond

* Most likely out of memory error (check log file)
* Restart server (you could try to close the session that is causing trouble first via admin interface)

## Cannot find data (path to results)

* On rnd machine, check if the symlinks are the same as on the head node.
* Example: if head node has a /var/www/output13 symlink, create one on the rnd machine as well (alternatively, create the same symlink but in / as in /output13)

## Cannot find data (path to dat)

* Most likely data was deleted (“old” runs)

## Var partition full

* Check if there is an XML file of length 0 in /etc/tomcat6/Catalina/localhost  
  If so, delete it and restart tomcat
* Compress or delete large catalina.out log file (log file may be large due to empty XML error above, or due to other errors such as out of memory error)

## TSL is slow, lots of waiting

* Could be too many users, memory related or machine overloaded
* Check CPU usage on machine
* Check memory
* Possibly recommend user to use other/rnd machine if machine is overloaded or too many users
* Possibly restart if problem cannot be resolved