* **To check memory**

1. **free –m**
2. **To clear cahces : #** **sync ; echo 3 >> /proc/sys/vm/drop\_caches**
3. **For windows server : task manager---users----log off the disconnected users.**

* **To check Disk space**

**1.Check in which partition the disk space was?**

**#** df –h.

2.To check particular list of files

#ls -ltrh

#du –sh \*

**TOMCAT RESTART:**

**ps -elf | grep tomcat**

**993 kill -9 13083 13081**

**994 ps -elf | grep tomcat**

**cd /opt/apache-tomcat-7.0.65/bin/**

**su -p -s /bin/sh tomcat /opt/apache-tomcat-7.0.65/bin/startup.sh**

**tailf /opt/tomcat/logs/billing\_hub.log**

**tailf /opt/tomcat/logs/sms.log**

A@rt$el@2017&





* **To Compress a file**

**1.To tar a file**

**#**tar –cvzf filename.tar.gz filename

Example 1 - tar -cvzf server.log.2015-09-04FULLDAY.tar.gz server.log.2015-09-04-\*(for fullday)

2 - tar -cvzf server.log.2015-09-04.tar.gz server.log.2015-09-04(for single day).

**2.To check whether is file for fullday is compress properly or not**

# tar –tvf filename.tar.gz

**3.To untar a file**

# tar –xvf filename.tar.gz

* **To Create and delete a file or directory**

1**.To create a directory**

**#mkdir –p directoryname**

**2.To create a file and multiple files**

**#touch f1 f2 f3**

**3.To delete a file or directory**

**#rm –rvf filename or directory**

* **To add a user and assigning password**

**1.To create a user**

**#useradd –m username**

**2.To assign a password**

**#passwd username**

**3 To delete a user**

**#userdel username**

**4 To give sudo permissions to a specific user**

**#visudo**

**Enter below syntax**

**username ALL=(ALL) NOPASSWD: ALL**

* **To Give acl permissions**

**#setfacl -R -m u:username:requestedpermissions(rwx) pathlocation  
setfacl -R -m u:sachin\_618:r /API-logs**

* **To Delete acl permissions**

**#setfacl -d u:username:rwx pathlocation**

* **To add Route**

#route add -net “IPaddress” netmask 255.255.255.255 gw “gatewayip”

* **Restart jboss process**

1. To check how many jbss process running :: #ps –eaf | grep jboss
2. Go to particular jboss location(#cd /home/apalya/3.0/jboss-5.0.1\_03/server/default/log/)
3. Ps –eaf | grep pid ( copy the particular jboss process to kill)
4. Kill -9 pid
5. Pgrep –fl jboss(check the process killed or not)
6. Take server.log back up(#mv server.log server.log\_date\_time.bkp)
7. Go to /home/apalya/3.0/jboss\*\*/bin
8. Run command: Nohup Sh Run.Sh -b 0.0.0.0 >> /dev/nul & (for vesion 5)

Or

nohup sh run.sh >> /dev/null & ( for version 4)

1. Pgrep –fl jboss
2. Go to server/default/log location
3. Check server.log (tail –f server.log)
4. Check telnet with that particular port no : telnet localhost portnumber

nohup sh run.sh -b 0.0.0.0 >> /dev/null &

* **To Restart WOWZA service**

**1.Check the status of the service**

#/etc/init.d/WowzaStreamingEngine status

**2.Stop the service now and check the status whether it is stopped or not**

#/etc/init.d/WowzaStreamingEngine stop

**3.Go to Wowza logs path and take back up of the Wowza logs**

#/usr/local/WowzaMediaServer/logs/

#mv wowzastreamingengine\_access.log wowzastreamingengine\_access.log-yyyy-mm-dd

#mv wowzastreamingengine\_error.log wowzastreamingengine\_error.log-yyyy-mm-dd

1. **Restart the service and check status now**

#/etc/init.d/WowzaStreamingEngine start

#/etc/init.d/WowzaStreamingEngine status

* **SMS KANNEL restart**
* **Find the process of SMS KANNEL.**

#ps -eaf | grep box

* **Kill the process**

#kill -9 4725 4779

* **Backup log files**

#mv bearbox.log bearbox.log\_YYYY\_MM\_DD

#mv smsbox.log smsbox.log\_YYYY\_MM\_DD

* **Restart the process.**

**#cd .. /gateway-1.4.1/gw**

**#nohup ./bearerbox smskannel.conf > log/bearbox.log &**

**#nohup ./smsbox smskannel.conf > log/smsbox.log &**

* **NTP ERROR:-**

1. Check ntpq –p if the reach is fine then it ok.
2. If connection refused then check /etc/init.d/ntpd status
3. If it is running ok. If not restart ntpd
4. /etc/init.d/ntpd restart
5. Check ntpq –p
6. Check with nagios nrpe.cfg file , server (or) client i.p and ping execute that command.
7. ntpdate –buv ip

* **TO restart opmanager**

**Below is the process of Opmanager service starting, stopping and verifying.**

**1.** **ps -eaf |grep OpManager**

**2.cd /opt/ManageEngine/OpManager/bin/**

**3.** **kill -9 31209 31187**

**4.** **ps -eaf | grep OpManager**

**5.sh ShutDownOpManager.sh lovakumar lovakumar**

**6.** **ps -eaf | grep OpManager**

**7.** **sh StartOpManagerServer.sh &**

* **LOG COMPARE**

**1.Go to nrpe.cfg file**

**#**cat /usr/local/nagios/etc/nrpe.cfg

**2.open particular port no alert line with vi editor**

#vi /usr/local/nagios/libexec/check\_logcompare\_8580 (Example)

**3.In a particular line change f8 to f9 or vice versa**

**Note: Every month date10th day morning 12:00Am and date30th day or 31st day midnight we have to apply 3rd .**

**4: Give hit in the bowser with ip and port no.**

* **To Restart Darwin:**

**Before restart :**

**--> Check the errors in log**

**--> Check telnet status on that port**

**--> Check the status through WAP/APP**

**--> Chek the channel status with PH team.**

**If you find any abnormality in service take the approval and restart accordingly .**

**--> kill DarwinPID**

**--> Take log backup**

**Restart Commands :**

**for :**

**Single Darwin Service : /usr/local/sbin/DarwinStreamingServer**

**Multiple Darwin services:**

**e.g for Darwin1:**

**/usr/local/sbin/Darwin1/DarwinStreamingServer -p 554 -c /etc/streaming/Darwin1/streamingserver.xml**

**Conclusion: check the log , telnet status & open service admin page through WAP(browser) and confirm channel status with PH team.**

* **Pushing ssh keys**

**1.login to x server with abc user**

**2.cd .ssh/**

**3 if .ssh dir is not available we need to generate keys**

**4 To generate ssh keys**

**ssh-keygen –t rsa**

**5.cd .ssh/**

**6.To copy key from x-server to y-server**

**ssh-copy-id –I id-rsa.pub abc@yserver**

**7.Testing x-server**

**Ssh xserver abc@yserver**

**Here it should not ask password**

* **SCP**

1.scp –r filename username@xsever:pathlocation

* **To find a port number for a particular jboss.**

1. #cat /deploy/jbossweb.sar/server.xml | grep port

* **File Transfer Protocol (FTP**)

**1:** Use the following syntax to connect to transfer files to and from a remote network ftp site:

# ftp ipaddress **OR**

**#** ftp username@ipaddress

### 2 Change Directory

# ftp> cd dirname

### 3 Download / Copy file

#get filename

#get filename newfileName

### 4 Download Multiple Files

#ftp> mget filename1 filename2 filename3 …

### 5 Upload One File

# ftp> put filename

### 6 Upload Multiple Files

**#** ftp> mput filename1 filename2 filename3

### 7 Delete File

**#** ftp> delete fileName

### 8 Exit the FTP Session

**# ftp> bye .**

* **To Find Top usages in a disk**

**1.For top 10**

# du –a ./ | sort –n –r | head –n 10

**1.To check telnet**

#telnet “ip” port

**2.To know OS of a server**

#cat /etc/issue

**3.To check/stop/start/restart a service**

#/etc/init.d/servicename status

#/etc/init.d/servicename stop

#/etc/init.d/servicename start/restart

* **NTP ERROR:-**

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3. If it is running ok. If not restart ntpd
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7. Ntpdate –buv ip

* **Restart jboss process**

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2. Go to particular jboss location(/home/apalya/3.0/jboss-5.0.1\_03/server/default/log/)
3. Ps –eaf | grep pid
4. Kill -9 pid
5. Pgrep –fl jboss(check the process killed or not)
6. Take server.log back up(mv server.log server.log\_date\_time.bkp)
7. Go to /home/apalya/3.0/jboss\*\*/bin
8. Run command: nohup sh run.sh –b 0.0.0.0 >> /dev/null &
9. Pgrep –fl jboss
10. Go to server/default/log location
11. Check server.log (tail –f server.log)
12. Check telnet with that particular port no : telnet localhost portnumber

* **To check memory**

1. **free –m**
2. **To clear cahces : sync ; echo 3 >> /proc/sys/vm/drop\_caches**
3. **For windows server : taskmanager-users-log off the disconnected users.**

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**3.** **kill -9 31209 31187**

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**5.****sh ShutDownOpManager.sh lovakumar lovakumar**

**6.** **ps -eaf | grep OpManager**

**7.** **sh StartOpManagerServer.sh &**

**TOMCAT RESTART:**

**ps -elf | grep tomcat**

**993 kill -9 13083 13081**

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**cd /opt/apache-tomcat-7.0.65/bin/**

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