-sh-4.1$ sudo su - wasadmin

[wasadmin@uluprdbods01 ~]$ cd **/opt/app/sapbusinessobjects/dataservices/bin**

[wasadmin@uluprdbods01 bin]$ **ps -ef|grep java ( to check the BODS services)**

**wasadmin 3135** 1 0 Feb15 ? 00:32:22 /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/linux\_x64/sapjvm//bin/java -classpath /opt/app/sapbusinessobjects/sap\_bobj/tomcat/bin/bootstrap.jar:/opt/app/sapbusinessobjects/sap\_bobj/tomcat/bin/tomcat-juli.jar -Djava.util.logging.config.file=/opt/app/sapbusinessobjects/sap\_bobj/tomcat/conf/logging.properties -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager -Dbobj.enterprise.home=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40 -Djava.awt.headless=true -Djava.net.preferIPv4Stack=false -Xmx2048m -XX:MaxPermSize=384m -Djava.endorsed.dirs=/opt/app/sapbusinessobjects/sap\_bobj/tomcat/endorsed -Dcatalina.base=/opt/app/sapbusinessobjects/sap\_bobj/tomcat -Dcatalina.home=/opt/app/sapbusinessobjects/sap\_bobj/tomcat -Djava.io.tmpdir=/opt/app/**sapbusinessobjects/sap\_bobj/tomcat/temp org.apache.catalina.startup.Bootstrap start**

**wasadmin 3231 1 0 Feb15** ? 00:00:00 /bin/sh /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/generic/bobjrestart.sh /opt/app/sapbusinessobjects/**sap\_bobj/enterprise\_xi40/generic/javalaunch.sh** -Dbobj.product.languages.dir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/Languages/ -Djava.net.preferIPv4Stack=false -Djava.awt.headless=true -Dcom.sap.vm.tag=uluprdbods01 -Xms64m -Xmx256m -XX:+ExitVMOnOutOfMemoryError -XX:+HeapDumpOnOutOfMemoryError -XX:+PrintGCTimeStamps -XX:+PrintGCDetails -XX:LogGcMaxFileCount=3 -XX:LogGcMaxFileSize=5m -XX:HeapDumpPath=/opt/app/sapbusinessobjects/sap\_bobj/logging/ -XtraceFile=/opt/app/sapbusinessobjects/sap\_bobj/logging/uluprdbods01\_jvm\_@PID.log -XX:GCHistoryFilename=/opt/app/sapbusinessobjects/sap\_bobj/logging/uluprdbods01\_gc.prf -Xloggc:/opt/app/sapbusinessobjects/sap\_bobj/logging/uluprdbods01\_gc.log -XX:ErrorFile=/opt/app/sapbusinessobjects/sap\_bobj/logging/uluprdbods01\_dump\_@PID.log -jar /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/lib/SIA.jar -boot /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/linux\_x64/\_boe\_uluprdbods01.bootstrap -port 6410 -pidFile /opt/app/sapbusinessobjects/sap\_bobj/serverpids/uluprdbods01.pid -loggingPath /opt/app/sapbusinessobjects/sap\_bobj/logging/ -traceinipath /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/conf/BO\_trace.ini -name uluprdbods01 -dbinfo /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/linux\_x64/\_boe\_uluprdbods01.dbinfo -piddir /opt/app/sapbusinessobjects/sap\_bobj/serverpids/ -noauditor

**wasadmin 3242** 3231 0 Feb15 ? 00:34:27 /opt/app/sapbusinessobjects/**sap\_bobj/enterprise\_xi40/linux\_x64/sapjvm/bin/java -Djava.awt.headless=true -Xmx128m -Xms32m -Xss256k -**Dbobj.product.languages.dir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/Languages/ -Djava.net.preferIPv4Stack=false -Djava.awt.headless=true -Dcom.sap.vm.tag=uluprdbods01 -Xms64m -Xmx256m -XX:+ExitVMOnOutOfMemoryError -XX:+HeapDumpOnOutOfMemoryError -XX:+PrintGCTimeStamps -XX:+PrintGCDetails -XX:LogGcMaxFileCount=3 -XX:LogGcMaxFileSize=5m -XX:HeapDumpPath=/opt/app/sapbusinessobjects/sap\_bobj/logging/ -XtraceFile=/opt/app/sapbusinessobjects/sap\_bobj/logging/uluprdbods01\_jvm\_@PID.log -XX:GCHistoryFilename=/opt/app/sapbusinessobjects/sap\_bobj/logging/uluprdbods01\_gc.prf -Xloggc:/opt/app/sapbusinessobjects/sap\_bobj/logging/uluprdbods01\_gc.log -XX:ErrorFile=/opt/app/sapbusinessobjects/sap\_bobj/logging/uluprdbods01\_dump\_@PID.log -jar /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/lib/SIA.jar -boot /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/linux\_x64/\_boe\_uluprdbods01.bootstrap -port 6410 -pidFile /opt/app/sapbusinessobjects/sap\_bobj/serverpids/uluprdbods01.pid -loggingPath /opt/app/sapbusinessobjects/sap\_bobj/logging/ -traceinipath /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/conf/BO\_trace.ini -name uluprdbods01 -dbinfo /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/linux\_x64/\_boe\_uluprdbods01.dbinfo -piddir /opt/app/sapbusinessobjects/sap\_bobj/serverpids/ -noauditor -fg

root 3656 3652 0 Feb15 ? 00:22:36 /usr/local/tripwire/te/agent/jre/bin/java -da -server -Dtw.server=false -Djava.security.manager=com.tripwire.kernel.ext.security.TripwireSecurityManager -Djava.security.properties=/usr/local/tripwire/te/agent/data/security/security.properties -Djava.security.policy==/usr/local/tripwire/te/agent/data/security/jaas.policy -XX:MetaspaceSize=20m -Djava.io.tmpdir=/usr/local/tripwire/te/agent/tmp -Dsun.rmi.dgc.server.gcInterval=3600000 -Dsun.rmi.dgc.client.gcInterval=3600000 -Dsun.rmi.dgc.checkInterval=1800000 -Djava.awt.headless=true -Dtw.home=/usr/local/tripwire/te/agent -Djava.rmi.server.useCodebaseOnly=true -XX:MaxMetaspaceSize=128m -Dorg.bouncycastle.rsa.allow\_multi\_use=true -Djavax.net.ssl.trustStore=/usr/local/tripwire/te/agent/data/security/merged\_trust\_store.ks -Djavax.net.ssl.trustStoreType=BCFKS -Djavax.net.ssl.trustStorePassword=changeit -Djavax.net.ssl.keyStoreType=BCFKS -Djava.security.egd=file:/dev/urandom -Djdk.tls.namedGroups="secp224r1, secp384r1, secp521r1, sect283k1, sect283r1, sect409k1, sect409r1, sect571k1, sect571r1" -Xms5m -Xmx256m -Djava.library.path=../lib -classpath ../lib/getopt.jar:../lib/tetool.jar:../lib/tw-kernel.jar:../lib/tw-launcher.jar:../lib/wrapper.jar:../lib/ext/bc-fips.jar:../lib/ext/bcpkix-jdk15on.jar:../lib/ext/cypher.jar:../lib/ext/tw-ext.jar:../data/config -Dwrapper.key=T0n1qChiFEMVT9R7w\_3w9QxrGSlVT7QX -Dwrapper.port=32000 -Dwrapper.jvm.port.min=31000 -Dwrapper.jvm.port.max=31999 -Dwrapper.disable\_console\_input=TRUE -Dwrapper.pid=3652 -Dwrapper.use\_system\_time=TRUE -Dwrapper.version=3.5.25-st -Dwrapper.native\_library=wrapper -Dwrapper.arch=x86 -Dwrapper.service=TRUE -Dwrapper.disable\_shutdown\_hook=TRUE -Dwrapper.cpu.timeout=10 -Dwrapper.jvmid=1 -Dwrapper.lang.domain=wrapper -Dwrapper.lang.folder=../lang com.tripwire.space.bootstrap.BootstrapLauncher

**wasadmin 4636** 3242 0 Feb15 ? 01:28:18 /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/linux\_x64/sapjvm/bin/java -server -d64 -Dcom.sap.vm.tag=uluprdbods01.EIMAdaptiveProcessingServer -Djava.awt.headless=true -Dbobj.enterprise.home=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/ -Dbobj.javaserver.home=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/pjs/container/ -Dboe.common.dir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/lib/ -Dboe.external.dir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/lib//external -Dboe.bundles.dir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/lib//bundles -Djava.io.tmpdir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/pjs/container/temp -Dbusinessobjects.logs.home=/opt/app/sapbusinessobjects/sap\_bobj/logging/ -XtraceFile=/opt/app/sapbusinessobjects/sap\_bobj/logging/aps\_uluprdbods01.EIMAdaptiveProcessingServer\_jvm.log -XX:GCHistoryFilename=/opt/app/sapbusinessobjects/sap\_bobj/logging/aps\_uluprdbods01.EIMAdaptiveProcessingServer\_gc.prf -Xloggc:/opt/app/sapbusinessobjects/sap\_bobj/logging/aps\_uluprdbods01.EIMAdaptiveProcessingServer\_gc.log -XX:+PrintGCTimeStamps -XX:+PrintGCDetails -XX:LogGcMaxFileCount=3 -XX:LogGcMaxFileSize=5m -XX:ErrorFile=/opt/app/sapbusinessobjects/sap\_bobj/logging/aps\_uluprdbods01.EIMAdaptiveProcessingServer\_dump\_@PID.log -Xms512m -Xmx2g -XX:MaxPermSize=256m -XX:+UseParallelOldGC -XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=/opt/app/sapbusinessobjects/sap\_bobj/logging/ -XX:+ExitVMOnOutOfMemoryError -Djava.net.preferIPv4Stack=false -jar /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/pjs/container/bin/boeserver.jar -workdir /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/pjs/container/work -name uluprdbods01.EIMAdaptiveProcessingServer -pidfile /opt/app/sapbusinessobjects/sap\_bobj/serverpids/uluprdbods01\_uluprdbods01.EIMAdaptiveProcessingServer.pid -ns uluprdbods01.aaa-acg.net:6400

**wasadmin 4639** 3242 0 Feb15 ? 00:06:02 /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/linux\_x64//boe\_jobsd -javaargs Dbusinessobjects.connectivity.directory=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40//dataAccess/connectionServer -loggingPath /opt/app/sapbusinessobjects/sap\_bobj/logging/ -maxDesktops 0 -fg -restart -name uluprdbods01.AdaptiveJobServer -pidfile /opt/app/sapbusinessobjects/sap\_bobj/serverpids/uluprdbods01\_uluprdbods01.**AdaptiveJobServer.pid -ns uluprdbods01.aaa-acg.net:6400**

wasadmin 4660 3242 0 Feb15 ? 01:53:03 /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/linux\_x64/sapjvm/bin/java -server -d64 -Dcom.sap.vm.tag=uluprdbods01.AdaptiveProcessingServer -Djava.awt.headless=true -Dbobj.enterprise.home=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/ -Dbobj.javaserver.home=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/pjs/container/ -Dboe.common.dir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/lib/ -Dboe.external.dir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/lib//external -Dboe.bundles.dir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/lib//bundles -Djava.io.tmpdir=/opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/pjs/container/temp -Dbusinessobjects.logs.home=/opt/app/sapbusinessobjects/sap\_bobj/logging/ -XtraceFile=/opt/app/sapbusinessobjects/sap\_bobj/logging/aps\_uluprdbods01.AdaptiveProcessingServer\_jvm.log -XX:GCHistoryFilename=/opt/app/sapbusinessobjects/sap\_bobj/logging/aps\_uluprdbods01.AdaptiveProcessingServer\_gc.prf -Xloggc:/opt/app/sapbusinessobjects/sap\_bobj/logging/aps\_uluprdbods01.AdaptiveProcessingServer\_gc.log -XX:+PrintGCTimeStamps -XX:+PrintGCDetails -XX:LogGcMaxFileCount=3 -XX:LogGcMaxFileSize=5m -XX:ErrorFile=/opt/app/sapbusinessobjects/sap\_bobj/logging/aps\_uluprdbods01.AdaptiveProcessingServer\_dump\_@PID.log -Xms512m -Xmx2g -XX:MaxPermSize=256m -XX:+UseParallelOldGC -XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=/opt/app/sapbusinessobjects/sap\_bobj/logging/ -XX:+ExitVMOnOutOfMemoryError -Djava.net.preferIPv4Stack=false -jar /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/pjs/container/bin/boeserver.jar -workdir /opt/app/sapbusinessobjects/sap\_bobj/enterprise\_xi40/java/pjs/container/work -name uluprdbods01.AdaptiveProcessingServer -pidfile /**opt/app/sapbusinessobjects/sap\_bobj/serverpids/uluprdbods01\_uluprdbods01.AdaptiveProcessingServer.pid -ns uluprdbods01.aaa-acg.net:6400**

wasadmin 33901 33829 0 14:08 pts/1 00:00:00 grep java

**[wasadmin@uluprdbods01 bin]$ . ./al\_env.sh**

**[wasadmin@uluprdbods01 bin]$ ./svrcfg**

\*\* Data Services Server Manager Utility \*\*

1 : Control Job Service

2 : Configure Job Server

3 : Configure Runtime Resources

4 : Configure Access Server [NOT INSTALLED]

5 : Configure SMTP

6 : Configure SSL

7 : Configure Native Component Supportability

8 : Configure System Landscape Directory Registration

x : Exit

**Enter Option: 1**

-----------------------------------------------------------------

\*\* Control Job Service \*\*

-----------------------------------------------------------------

Job Service Executable Path Status

---------------------------------------------- ------------

/opt/app/sapbusinessobjects/dataservices/bin/AL\_JobService Not Running

-----------------------------------------------------------------

**s: Start Job Service** o: Stop Job Service q: Quit

**Enter Option: s**

Checking for existence of AL\_JobService...

Starting AL\_JobService. This may take several seconds.

Please Wait!!!

03-14-22 14:08:34 (33955:1988978464) JSERVICE: Attempting to Start JobServer(s)..

03-14-22 14:08:34 (33955:1988978464) JSERVICE: Found 1 JobServer(s) configured.

03-14-22 14:08:34 (33955:1988978464) JSERVICE: Using checkJobServer Version <1>

**03-14-22 14:08:35 (33955:1988978464) JSERVICE: INFO: JobServer JobServer\_1 on Port ANY:3500 is up and running.**

**03-14-22 14:08:35 (33955:1988978464) JSERVICE: Successfully started AL\_JobService**

Please exit this utility to start Job Server(s)/AccessServer(s).

Any changes to the configuration will be reflected ONLY after you EXIT this utility.

Press <Enter> to return to options menu.

-----------------------------------------------------------------

\*\* Control Job Service \*\*

-----------------------------------------------------------------

Job Service Executable Path Status

---------------------------------------------- ------------

/opt/app/sapbusinessobjects/dataservices/bin/AL\_JobService Running

-----------------------------------------------------------------

s: Start Job Service o: Stop Job Service  **q: Quit**

**Enter Option: q**

\*\* Data Services Server Manager Utility \*\*

1 : Control Job Service

2 : Configure Job Server

3 : Configure Runtime Resources

4 : Configure Access Server [NOT INSTALLED]

5 : Configure SMTP

6 : Configure SSL

7 : Configure Native Component Supportability

8 : Configure System Landscape Directory Registration

**x : Exit**

**Enter Option: x**

[wasadmin@uluprdbods01 bin]$

Below is the new services which will be started after the JOB SERVER SERVICE IS running

**wasadmin 33971**  33956 1 14:08 pts/1 00:00:04 java -classpath /opt/app/sapbusinessobjects/dataservices/lib/acta\_adapter\_sdk.jar:/opt/app/sapbusinessobjects/dataservices/lib/acta\_broker\_client.jar:/opt/app/sapbusinessobjects/dataservices/lib/acta\_tool.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/bcm.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/cryptojFIPS.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/ssljFIPS.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/xercesImpl.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/xml-apis.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/log4j-1.2.15.jar:/opt/app/sapbusinessobjects/dataservices/lib/msexceladapter.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/poi-3.7-20101029.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/poi-3.7-20101029.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/dom4j-1.6.1.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/poi-ooxml-3.7-20101029.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/poi-ooxml-schemas-3.7-20101029.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/xmlbeans-2.3.0.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/xercesImpl.jar:/opt/app/sapbusinessobjects/dataservices/ext/lib/xml-apis.jar: -Xms256m -Xmx1024m com.acta.adapter.sdk.AdapterMain -a **com.acta.adapter.msexceladapter.MSExcelAdapter -i BOExcelAdapter -h uluprdbods01 -p 3550 -ssl Yes -c com.acta.adapter.ServiceProvider.BOExcelAdapter -cs default -mcs default -51 -js JobServer\_1 -r /opt/app/sapbusinessobjects/dataservices**

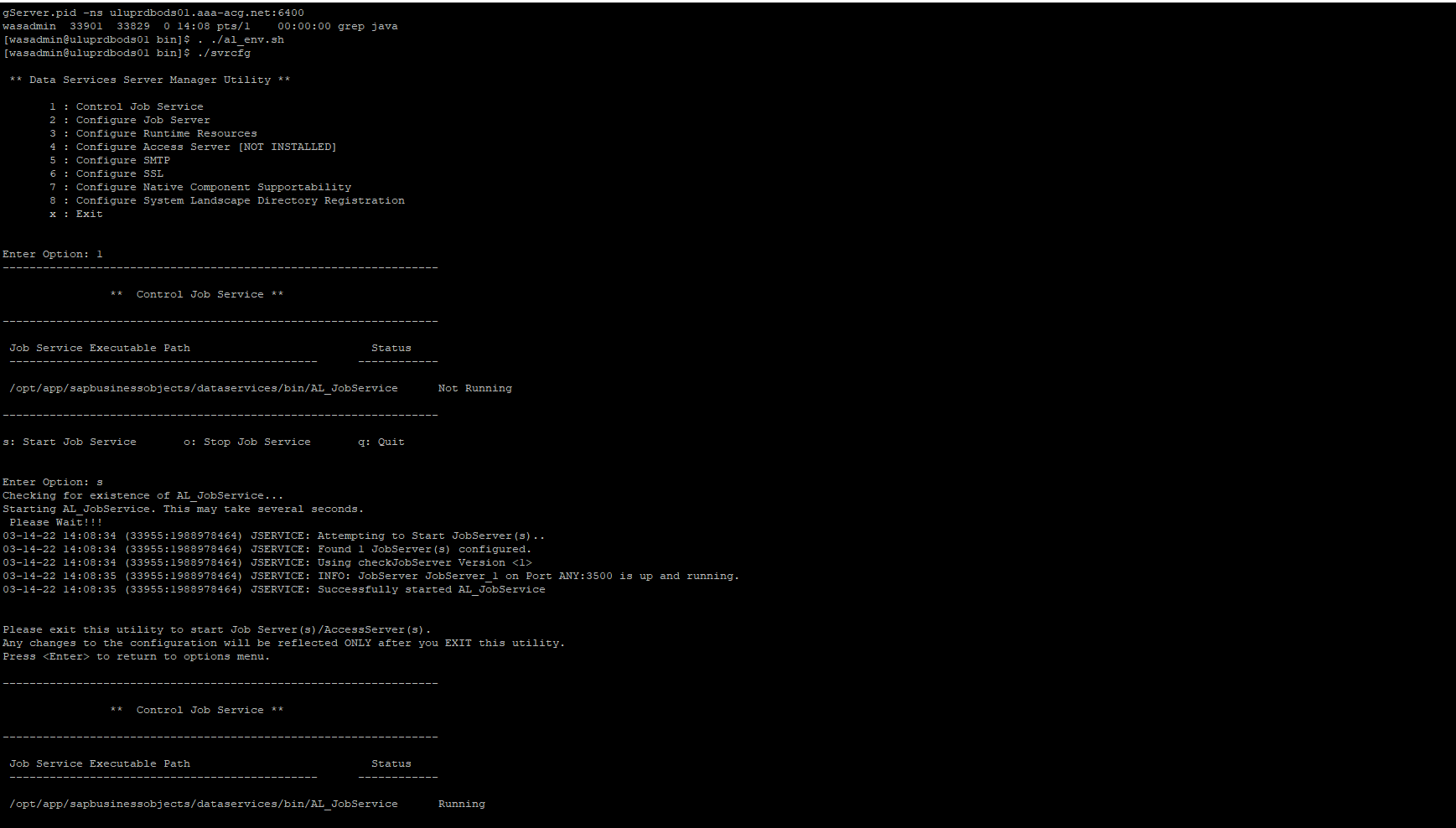
wasadmin 36910 33829 0 14:15 pts/1 00:00:00 grep java

Below are the screenshot for reference

To check the BODS job server (services) running or not



To start the job services 🡪 if its not running



Once job services is started, come out of the utility

