## How to restart service tier:

1. On service tier alnxap81:

sudo su – awasadm

1. cd home directory

/sys2home/awasadm $cat .dsservice

##########################################################################

# .dsservice

#

# Script to stop and start the DataStage Services from anywhere

# Oct 31 2018 TM Created this script

# May 08 2020 TM Added email notification functionality

#

# Arguments: Accepts one(1) argument stop or run depending on action

# Example: .dsservice stop

#

##########################################################################

#-----------------------------

function echo\_date

#-----------------------------

{

date\_val=`date +%H\:%M\:%S`

echo "$date\_val ${1}"

return

}

proc\_service()

{

echo "#######################################################################"

if [[ ${cmd} = "stop" ]]

then

echo "# Shutdown of Datastage services on Linux server ${SRVR\_NAME}"

echo " This is a system generated email, do not reply to sender." > ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "This is to inform you that the DataStage services on server ${SRVR\_NAME} have been stopped." >> ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "DS WAS Admin." >> ${WRK\_DIR}/ds\_status

perl ${WRK\_DIR}/.ds\_mail.pl

echo\_date "################## Please wait, sending notifications #################"

sleep 2

rm -f ${WRK\_DIR}/ds\_status

elif [[ ${cmd} = "run" ]]

then

echo "# Starting of Datastage services on Linux server ${SRVR\_NAME}"

echo " This is a system generated email, do not reply to sender." > ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "This is to inform you that the DataStage services on server ${SRVR\_NAME} have been started." >> ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "DS WAS Admin." >> ${WRK\_DIR}/ds\_status

perl ${WRK\_DIR}/.ds\_mail.pl

echo\_date "################## Please wait, sending notifications #################"

sleep 2

rm -f ${WRK\_DIR}/ds\_status

fi

echo "#######################################################################"

cd ${SRC\_DIR}

./MetadataServer.sh ${cmd}

}

#-----------------------------------------------

# Main Program

#-----------------------------------------------

PgmName=`basename ${0}`

SRC\_DIR="/sys2/iis/v11.7/ASBServer/bin"

WRK\_DIR=`pwd`

SRV\_NAME=`uname -n`

SV\_NAME=`echo ${SRV\_NAME^^}`

SRVR\_NAME=`echo ${SV\_NAME} | gawk -F'.' '{print $1}'`

if [[ $# != 1 ]]

then

echo "Incorrect usage of program"

echo "Correct usage: [PgmName] [option]"

echo "Example: ${PgmName} stop"

exit

else

typeset -l cmd=${1}

case ${cmd} in

stop|run) proc\_service

;;

\*) echo "Incorrect command ${cmd}"

exit

;;

esac

fi

exit

1. cd ASBServer/bin

cd /sys2/iis/v11.7/ASBServer/bin

1. Run stop server command, will have known issue

./MetadataServer.sh stop

ADMU0116I: Tool information is being logged in file

/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/logs/server1/stopServer.log

ADMU0128I: Starting tool with the InfoSphere profile

ADMU3100I: Reading configuration for server: server1

Realm/Cell Name: <default>

Username: Password: ADMU0111E: Program exiting with error: javax.management.JMRuntimeException:

Unable to authenticate user of the incoming SOAP request

ADMU1211I: To obtain a full trace of the failure, use the -trace option.

ADMU0211I: Error details may be seen in the file:

/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/logs/server1/stopServer.log

1. Kill the session without kafka

ps -ef | grep server1

awasadm 18217 1 49 Jul03 ? 1-05:10:46 /sys2/was/iis/v11.7/AppServer/java/8.0/bin/java -Dosgi.install.area=/sys2/was/iis/v11.7/AppServer -Dwas.status.socket=39171 -Dosgi.configuration.area=/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/servers/server1/configuration -Dosgi.framework.extensions=com.ibm.cds,com.ibm.ws.eclipse.adaptors -Xshareclasses:name=webspherev9\_8.0\_64\_%g,nonFatal -Dcom.ibm.xtq.processor.overrideSecureProcessing=true -Xcheck:dump -Djava.security.properties=/sys2/was/iis/v11.7/AppServer/properties/java.security -Djava.security.policy=/sys2/was/iis/v11.7/AppServer/properties/java.policy -Dcom.ibm.CORBA.ORBPropertyFilePath=/sys2/was/iis/v11.7/AppServer/properties -Xbootclasspath/p:/sys2/was/iis/v11.7/AppServer/java/8.0/jre/lib/ibmorb.jar -classpath /sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/properties:/sys2/was/iis/v11.7/AppServer/properties:/sys2/was/iis/v11.7/AppServer/lib/startup.jar:/sys2/was/iis/v11.7/AppServer/lib/bootstrap.jar:/sys2/was/iis/v11.7/AppServer/lib/lmproxy.jar:/sys2/was/iis/v11.7/AppServer/lib/urlprotocols.jar:/sys2/was/iis/v11.7/AppServer/deploytool/itp/batchboot.jar:/sys2/was/iis/v11.7/AppServer/deploytool/itp/batch2.jar:/sys2/was/iis/v11.7/AppServer/java/8.0/lib/tools.jar -Dibm.websphere.internalClassAccessMode=allow -verbose:gc -Xverbosegclog:/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/logs/server1/verbosegc.%seq.log,10,7000 -Xms1280m -Xmx8192m -Xcompressedrefs -Xscmaxaot12M -Xscmx90M -Dws.ext.dirs=/sys2/was/iis/v11.7/AppServer/java/8.0/lib:/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/classes:/sys2/was/iis/v11.7/AppServer/classes:/sys2/was/iis/v11.7/AppServer/lib:/sys2/was/iis/v11.7/AppServer/installedChannels:/sys2/was/iis/v11.7/AppServer/lib/ext:/sys2/was/iis/v11.7/AppServer/web/help:/sys2/was/iis/v11.7/AppServer/deploytool/itp/plugins/com.ibm.etools.ejbdeploy/runtime -Dderby.system.home=/sys2/was/iis/v11.7/AppServer/derby -Dcom.ibm.itp.location=/sys2/was/iis/v11.7/AppServer/bin -Djava.util.logging.configureByServer=true -Duser.install.root=/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere -Djava.ext.dirs=/sys2/was/iis/v11.7/AppServer/tivoli/tam:/sys2/was/iis/v11.7/AppServer/javaext:/sys2/was/iis/v11.7/AppServer/java/8.0/jre/lib/ext -Djavax.management.builder.initial=com.ibm.ws.management.PlatformMBeanServerBuilder -Dpython.cachedir=/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/temp/cachedir -Dwas.install.root=/sys2/was/iis/v11.7/AppServer -Djava.util.logging.manager=com.ibm.ws.bootstrap.WsLogManager -Dserver.root=/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere -Dcom.ibm.security.jgss.debug=off -Dcom.ibm.security.krb5.Krb5Debug=off -DKC\_HOME=/sys2/was/iis/v11.7/AppServer/systemApps/isclite.ear/isclite.war/help -Duser.language=en -Duser.country=US -Dorg.apache.security.jacc.EJBMethodPermission.methodInterfaces=MessageEndpoint -Dcom.ibm.wsspi.security.web.webAuthReq=persisting -Dcom.ibm.ws.cdi.enableImplicitBeanArchives=false -Dcom.ibm.ws.webcontainer.disablexPoweredBy=false -Xdisableexplicitgc -Djava.awt.headless=true -Djava.library.path=/sys2/was/iis/v11.7/AppServer/lib/native/linux/x86\_64/:/sys2/was/iis/v11.7/AppServer/java/8.0/jre/lib/amd64/compressedrefs:/sys2/was/iis/v11.7/AppServer/java/8.0/jre/lib/amd64:/sys2/was/iis/v11.7/AppServer/bin:/sys2/was/iis/v11.7/AppServer/nulldllsdir:/usr/lib64:/usr/lib: -Djava.endorsed.dirs=/sys2/was/iis/v11.7/AppServer/endorsed\_apis:/sys2/was/iis/v11.7/AppServer/java/8.0/jre/lib/endorsed -Djava.security.auth.login.config=/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/properties/wsjaas.conf -Djava.security.policy=/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/properties/server.policy com.ibm.wsspi.bootstrap.WSPreLauncher -nosplash -application com.ibm.ws.bootstrap.WSLauncher com.ibm.ws.runtime.WsServer /sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/config alnxap81Node01Cell alnxap81Node01 server1

awasadm 19370 18416 0 15:49 pts/0 00:00:00 grep --color=auto server1

kill -9 18217

1. Start application server

./MetadataServer.sh run

ADMU0116I: Tool information is being logged in file

/sys2/was/iis/v11.7/AppServer/profiles/InfoSphere/logs/server1/startServer.log

ADMU0128I: Starting tool with the InfoSphere profile

ADMU3100I: Reading configuration for server: server1

ADMU3200I: Server launched. Waiting for initialization status.

ADMU3000I: Server server1 open for e-business; process id is 19896

Waiting for Information Server initialization...

Mon Jul 5 15:55:17 EDT 2021

## How to enable LDAP group filter:

Stop engine tier -> stop service tier -> update filter -> start service tier -> start engine tier

1. On engine tier dlnxde91:

sudo su – ddsadm

1. cd home directory

sh .dsengine stop >> date\_2021.log

sh .dsengine start >> Oct13\_2021.log

/sys2home/ddsadm $cat .dsengine

##########################################################################

# .dsengine

#

# In order to correctly shut down and start all DataStage 11.7 services, follow the following steps:

#

# To Stop all services:

# --------------------

# 1. Shut down the DataStage Engine and ODFEngine (using script .dsengine) on engine server

# 2. Shut down the services tier, zookeeper, kafka and solr (using script .dsservice)

# on application server

#

# To Start all services:

# ---------------------

# 1. Start the zookeeper, kafka, solr and services tier (using script .service)

# on application server

# 2. Start the DataStage Engine and ODFEngine (using script .dsengine) on engine server

#

# Script to stop and start the DataStage DSEngine from anywhere

# Oct 31 2018 TM Created this script

# Jul 04 2019 TM Combined the scripts into one master

# May 08 2020 TM Added email notification functionality

#

# Arguments: Accepts one(1) argument stop or start depending on action

# Example: .dsengine stop

#

##########################################################################

#-----------------------------

function echo\_date

#-----------------------------

{

date\_val=`date +%H\:%M\:%S`

echo "$date\_val ${1}"

return

}

stop\_engine()

{

TODAY\_RUN=`date +%C%y\-%m\-%d`

echo\_date "#######################################################################"

echo\_date "# Shutdown of Datastage engine on Linux server ${SRVR\_NAME} on ${TODAY\_RUN}"

echo\_date "#######################################################################"

. ${SRC\_DIR}/dsenv

${DSHOME}/bin/uv -admin -${cmd}

echo\_date "#######################################################################"

echo\_date "# Shutdown of ODFEngine on Linux server ${SRVR\_NAME} on ${TODAY\_RUN}"

echo\_date "#######################################################################"

sudo service ODFEngine ${cmd}

sleep 5

echo\_date "#######################################################################"

echo\_date "# Status of ODEFEngine services on Linux server ${SRVR\_NAME}"

echo\_date "#######################################################################"

service ODFEngine status

echo\_date "#######################################################################"

echo\_date "# Shutdown of Node Agents on Linux server ${SRVR\_NAME} on ${TODAY\_RUN}"

echo\_date "#######################################################################"

cd ${NODE\_DIR}

./NodeAgents.sh ${cmd}

#list=`ps -ef | grep -i ASB | grep -v color | awk '{print $2}'`;for i in $list;do sudo kill -9 $i;done

echo\_date "#######################################################################"

echo\_date "# Status of Node Agents on Linux server ${SRVR\_NAME}"

echo\_date "#######################################################################"

ps -ef | grep -i ASB

echo " This is a system generated email, do not reply to sender." > ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "This is to inform you that the DataStage services on server ${SRVR\_NAME} have been stopped." >> ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "DS Admin." >> ${WRK\_DIR}/ds\_status

perl ${WRK\_DIR}/.ds\_mail.pl

echo\_date "################## Please wait, sending notifications #################"

sleep 2

rm -f ${WRK\_DIR}/ds\_status

}

start\_engine()

{

TODAY\_RUN=`date +%C%y\-%m\-%d`

echo\_date "#######################################################################"

echo\_date "# Startup of Datastage engine on Linux server ${SRVR\_NAME} on ${TODAY\_RUN}"

echo\_date "#######################################################################"

. ${SRC\_DIR}/dsenv

${DSHOME}/bin/uv -admin -${cmd}

echo\_date "#######################################################################"

echo\_date "# Startup of Node Agents on Linux server ${SRVR\_NAME} on ${TODAY\_RUN}"

echo\_date "#######################################################################"

cd ${NODE\_DIR}

./NodeAgents.sh ${cmd}

echo\_date "#######################################################################"

echo\_date "# Status of Node Agents on Linux server ${SRVR\_NAME}"

echo\_date "#######################################################################"

ps -ef | grep -i ASB

echo\_date "#######################################################################"

echo\_date "# Startup of ODFEngine on Linux server ${SRVR\_NAME} on ${TODAY\_RUN}"

echo\_date "#######################################################################"

sudo service ODFEngine ${cmd}

sleep 5

echo\_date "#######################################################################"

echo\_date "# Status of ODEFEngine services on Linux server ${SRVR\_NAME}"

echo\_date "#######################################################################"

service ODFEngine status

echo " This is a system generated email, do not reply to sender." > ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "This is to inform you that the DataStage services on server ${SRVR\_NAME} have been started." >> ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "" >> ${WRK\_DIR}/ds\_status

echo "DS Admin." >> ${WRK\_DIR}/ds\_status

perl ${WRK\_DIR}/.ds\_mail.pl

echo\_date "################## Please wait, sending notifications #################"

sleep 2

rm -f ${WRK\_DIR}/ds\_status

}

#-----------------------------------------------

# Main Program

#-----------------------------------------------

PgmName=`basename ${0}`

SRC\_DIR="/sys2/iis/v11.7/Server/DSEngine"

NODE\_DIR="/sys2/iis/v11.7/ASBNode/bin"

WRK\_DIR=`pwd`

SRV\_NAME=`uname -n`

SV\_NAME=`echo ${SRV\_NAME^^}`

SRVR\_NAME=`echo ${SV\_NAME} | gawk -F'.' '{print $1}'`

if [[ $# != 1 ]]

then

echo "Incorrect usage of program"

echo "Correct usage: [PgmName] [option]"

echo "Example: ${PgmName} stop"

exit

else

typeset -l cmd=${1}

case ${cmd} in

stop) stop\_engine

echo\_date "Starting DataStage Engine Shut Down"

;;

start) start\_engine

echo\_date "Starting DataStage Engine Start Up"

;;

\*) echo "Incorrect command ${cmd}"

exit

;;

esac

fi

exit

/sys2home/ddsadm $cat Oct13\_2021.log

13:03:17 #######################################################################

13:03:17 # Shutdown of Datastage engine on Linux server DLNXDE91 on 2021-10-13

13:03:17 #######################################################################

Stopping JobMonApp

No running PX Yarn Client for ddsadm found to stop.

ERROR: JobMonApp not successfully shut down with SIGTERM, trying SIGKILL

JobMonApp has been shut down.

resource\_tracker has been shutdown.

Stopping DSAppWatcher

AppWatcher:STOPPED

ResMonApp:STOPPING

ResMonApp:ALREADY\_STOPPED

ODBQueryApp:STOPPING

ODBQueryApp:ALREADY\_STOPPED

EngMonApp:STOPPING

EngMonApp:ALREADY\_STOPPED

DataStage Engine 11.7.1.0 instance "ade" has been brought down.

13:04:09 #######################################################################

13:04:09 # Shutdown of ODFEngine on Linux server DLNXDE91 on 2021-10-13

13:04:09 #######################################################################

ODF engine process 2069 killed

13:04:15 #######################################################################

13:04:15 # Status of ODEFEngine services on Linux server DLNXDE91

13:04:15 #######################################################################

ODF engine is running on PID 2069

13:04:15 #######################################################################

13:04:15 # Shutdown of Node Agents on Linux server DLNXDE91 on 2021-10-13

13:04:15 #######################################################################

Agent stopped.

AgentService stopped.

13:04:31 #######################################################################

13:04:31 # Status of Node Agents on Linux server DLNXDE91

13:04:31 #######################################################################

root 3567 1 0 Oct08 ? 00:21:33 /sys2/iis/v11.7/ASBNode/../jdk/bin/java -Dproc\_dfdEngineServer -Dlog4j.configurationFile=/sys2/iis/v11.7/ASBNode/CognitiveDesignerEngine/JettyServer/conf/log4j2.xml -Dlogfile.name=/sys2/iis/v11.7/ASBNode/CognitiveDesignerEngine/logs/cognition-engine-server.log -classpath /sys2/iis/v11.7/ASBNode/lib/java/JSON4J\_Apache.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-codec-1.15.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-logging-1.2.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-io-2.8.0.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-math3-3.3.jar::/sys2/iis/v11.7/ASBNode/lib/java/datastage\_common.jar::/sys2/iis/v11.7/ASBNode/lib/java/dataquality.jar::/sys2/iis/v11.7/ASBNode/lib/java/ds4j.jar::/sys2/iis/v11.7/ASBNode/lib/java/httpclient-4.5.13.jar::/sys2/iis/v11.7/ASBNode/lib/java/httpcore-4.4.14.jar::/sys2/iis/v11.7/ASBNode/lib/java/icu4j-50.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/iis\_util.jar::/sys2/iis/v11.7/ASBNode/lib/java/isf-common.jar::/sys2/iis/v11.7/ASBNode/lib/java/isf-core.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-annotations-2.12.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-core-2.12.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-databind-2.12.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/java-jwt-3.12.0.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-http-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-io-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-security-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-server-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-servlet-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-servlets-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-util-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/log4j-api-2.13.3.jar::/sys2/iis/v11.7/ASBNode/lib/java/log4j-core-2.13.3.jar::/sys2/iis/v11.7/ASBNode/lib/java/log4j-slf4j-impl-2.13.3.jar::/sys2/iis/v11.7/ASBNode/lib/java/javax.servlet-api-3.1.0.jar::/sys2/iis/v11.7/ASBNode/lib/java/db2jcc4.jar::/sys2/iis/v11.7/ASBNode/lib/java/slf4j-api-1.6.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-lang-2.6.jar::/sys2/iis/v11.7/ASBNode/lib/java/poi-3.14.jar::/sys2/iis/v11.7/ASBNode/lib/java/poi-ooxml-3.14.jar::/sys2/iis/v11.7/ASBNode/lib/java/poi-ooxml-schemas-3.14.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-dataformat-yaml-2.9.8.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-jaxrs-base-2.9.8.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-jaxrs-json-provider-2.9.8.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-module-jaxb-annotations-2.9.8.jar::/sys2/iis/v11.7/ASBNode/lib/java/realtimeclient-1.0.0.243.jar::/sys2/iis/v11.7/ASBNode/lib/java/realtimecommon-1.0.0.243.jar::/sys2/iis/v11.7/ASBNode/lib/java/xmlbeans-3.0.0.jar::/sys2/iis/v11.7/ASBNode/lib/java/wink-1.2.1-incubating.jar::/sys2/iis/v11.7/ASBNode/CognitiveDesignerEngine/scrapi.jar::.:CognitionJettyEngine.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client com.ibm.iis.cognition.connection.EmbeddedJettyHttps /sys2/iis/v11.7/ASBNode/CognitiveDesignerEngine/JettyServer/conf/cognition\_engine\_jetty.properties

ddsadm 29636 28597 0 13:04 pts/5 00:00:00 grep -i ASB

13:04:31 ################## Please wait, sending notifications #################

13:04:33 Starting DataStage Engine Shut Down

13:24:34 #######################################################################

13:24:34 # Startup of Datastage engine on Linux server DLNXDE91 on 2021-10-13

13:24:34 #######################################################################

Checking NLS locale OFF

Checking NLS locale DEFAULT

Checking NLS locale GB-ENGLISH

Checking NLS locale US-ENGLISH

Checking NLS locale AU-ENGLISH

Checking NLS locale CA-ENGLISH

Checking NLS locale IE-ENGLISH

Checking NLS locale NZ-ENGLISH

Checking NLS locale ZA-ENGLISH

Loading NLS map file UNICODE

Loading NLS map file UTF8

Loading NLS map file ASCII

Loading NLS map file ISO8859-1

Loading NLS map file ISO8859-1+MARKS

Loading NLS map file MNEMONICS

Loading NLS map file MS1252-CS

Loading NLS map file UTF8-CS

Loading NLS map file ISO8859-1-CS

Loading NLS map file ISO8859-2-CS

Loading NLS map file ISO8859-3-CS

Loading NLS map file ISO8859-4-CS

Loading NLS map file ISO8859-5-CS

Loading NLS map file ISO8859-6-CS

Loading NLS map file ISO8859-7-CS

Loading NLS map file ISO8859-8-CS

Loading NLS map file ISO8859-9-CS

Loading NLS map file ISO8859-10-CS

Loading NLS map file ISO8859-15-CS

Loading NLS map file MS1250-CS

Loading NLS map file MS1251-CS

Loading NLS map file MS1253-CS

Loading NLS map file MS1254-CS

Loading NLS map file MS1255-CS

Loading NLS map file MS1256-CS

Loading NLS map file MS1256-WIN2K-CS

Loading NLS map file PC874-CS

Loading NLS map file MS932-CS

Loading NLS map file MS936-CS

Loading NLS map file MS949-CS

Loading NLS map file MS950-CS

Loading NLS map file TIS620-CS

Loading NLS map file ASCII+MARKS

Loading NLS map file ISO8859-10

Loading NLS map file ISO8859-10+MARKS

Loading NLS map file ISO8859-15

Loading NLS map file ISO8859-15+MARKS

Loading NLS map file ISO8859-2

Loading NLS map file ISO8859-2+MARKS

Loading NLS map file ISO8859-3

Loading NLS map file ISO8859-3+MARKS

Loading NLS map file ISO8859-4

Loading NLS map file ISO8859-4+MARKS

Loading NLS map file ISO8859-5

Loading NLS map file ISO8859-5+MARKS

Loading NLS map file ISO8859-6

Loading NLS map file ISO8859-6+MARKS

Loading NLS map file ISO8859-7

Loading NLS map file ISO8859-7+MARKS

Loading NLS map file ISO8859-8

Loading NLS map file ISO8859-8+MARKS

Loading NLS map file ISO8859-9

Loading NLS map file ISO8859-9+MARKS

Loading NLS map file MS1250

Loading NLS map file MS1251

Loading NLS map file MS1252

Loading NLS map file MS1252+MARKS

Loading NLS map file MS1253

Loading NLS map file MS1254

Loading NLS map file MS1255

Loading NLS map file MS1256

Loading NLS map file MS1256-WIN2K

Loading NLS map file MS932

Loading NLS map file MS936

Loading NLS map file MS949

Loading NLS map file MS950

Loading NLS map file PC437

Loading NLS map file PC850

68 NLS Character Set Maps loaded in 4055120 bytes.

Loading 9 NLS Locales

9 NLS Locales loaded in 793920 bytes

DataStage Engine 11.7.1.0 instance "ade" has been brought up.

Starting JobMonApp

JobMonApp has been started.

resource\_tracker has been started.

Starting DSAppWatcher

13:24:50 #######################################################################

13:24:50 # Startup of Node Agents on Linux server DLNXDE91 on 2021-10-13

13:24:50 #######################################################################

Starting Agent...

Agent started.

13:24:52 #######################################################################

13:24:52 # Status of Node Agents on Linux server DLNXDE91

13:24:52 #######################################################################

root 3567 1 0 Oct08 ? 00:21:37 /sys2/iis/v11.7/ASBNode/../jdk/bin/java -Dproc\_dfdEngineServer -Dlog4j.configurationFile=/sys2/iis/v11.7/ASBNode/CognitiveDesignerEngine/JettyServer/conf/log4j2.xml -Dlogfile.name=/sys2/iis/v11.7/ASBNode/CognitiveDesignerEngine/logs/cognition-engine-server.log -classpath /sys2/iis/v11.7/ASBNode/lib/java/JSON4J\_Apache.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-codec-1.15.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-logging-1.2.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-io-2.8.0.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-math3-3.3.jar::/sys2/iis/v11.7/ASBNode/lib/java/datastage\_common.jar::/sys2/iis/v11.7/ASBNode/lib/java/dataquality.jar::/sys2/iis/v11.7/ASBNode/lib/java/ds4j.jar::/sys2/iis/v11.7/ASBNode/lib/java/httpclient-4.5.13.jar::/sys2/iis/v11.7/ASBNode/lib/java/httpcore-4.4.14.jar::/sys2/iis/v11.7/ASBNode/lib/java/icu4j-50.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/iis\_util.jar::/sys2/iis/v11.7/ASBNode/lib/java/isf-common.jar::/sys2/iis/v11.7/ASBNode/lib/java/isf-core.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-annotations-2.12.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-core-2.12.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-databind-2.12.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/java-jwt-3.12.0.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-http-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-io-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-security-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-server-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-servlet-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-servlets-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/jetty-util-9.4.33.v20201020.jar::/sys2/iis/v11.7/ASBNode/lib/java/log4j-api-2.13.3.jar::/sys2/iis/v11.7/ASBNode/lib/java/log4j-core-2.13.3.jar::/sys2/iis/v11.7/ASBNode/lib/java/log4j-slf4j-impl-2.13.3.jar::/sys2/iis/v11.7/ASBNode/lib/java/javax.servlet-api-3.1.0.jar::/sys2/iis/v11.7/ASBNode/lib/java/db2jcc4.jar::/sys2/iis/v11.7/ASBNode/lib/java/slf4j-api-1.6.1.jar::/sys2/iis/v11.7/ASBNode/lib/java/commons-lang-2.6.jar::/sys2/iis/v11.7/ASBNode/lib/java/poi-3.14.jar::/sys2/iis/v11.7/ASBNode/lib/java/poi-ooxml-3.14.jar::/sys2/iis/v11.7/ASBNode/lib/java/poi-ooxml-schemas-3.14.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-dataformat-yaml-2.9.8.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-jaxrs-base-2.9.8.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-jaxrs-json-provider-2.9.8.jar::/sys2/iis/v11.7/ASBNode/lib/java/jackson-module-jaxb-annotations-2.9.8.jar::/sys2/iis/v11.7/ASBNode/lib/java/realtimeclient-1.0.0.243.jar::/sys2/iis/v11.7/ASBNode/lib/java/realtimecommon-1.0.0.243.jar::/sys2/iis/v11.7/ASBNode/lib/java/xmlbeans-3.0.0.jar::/sys2/iis/v11.7/ASBNode/lib/java/wink-1.2.1-incubating.jar::/sys2/iis/v11.7/ASBNode/CognitiveDesignerEngine/scrapi.jar::.:CognitionJettyEngine.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client com.ibm.iis.cognition.connection.EmbeddedJettyHttps /sys2/iis/v11.7/ASBNode/CognitiveDesignerEngine/JettyServer/conf/cognition\_engine\_jetty.properties

ddsadm 32587 1 42 13:24 ? 00:00:00 /sys2/iis/v11.7/Server/DSWLM/../../jdk/bin/java -Xmx2048m -classpath /sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/java/commons-lang-2.6.jar:/sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/java/commons-codec-1.15.jar:/sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/java/jsr311-api-1.1.1.jar:/sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/java/log4j-1.2.17.jar:/sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/sigar/sigar-1.6.4.jar:/sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/java/slf4j-api-1.6.1.jar:/sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/java/wink-1.2.1-incubating.jar:/sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/java/wink-client-1.2.1-incubating.jar:/sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/java/wink-common-1.2.1-incubating.jar:/sys2/iis/v11.7/Server/DSWLM/../../ASBNode/lib/java/wink-server-1.2.1-incubating.jar:/sys2/iis/v11.7/Server/DSWLM/dist/lib/wlm.jar:/sys2/iis/v11.7/Server/DSWLM/dist/lib/wlmstart.jar com.ibm.iis.common.wlm.service.server.ds.DSWLMServer

ddsadm 32636 1 99 13:24 ? 00:00:02 /sys2/iis/v11.7/jdk/bin/java -DPSMARKER=zyxOMA2831250802xyz -Xms32m -Xmx384m -classpath /sys2/iis/v11.7/ASBNode/lib/java/datastage\_rt\_omdmonapp.jar:/sys2/iis/v11.7/ASBNode/lib/java/datastage\_common\_lang.jar:/sys2/iis/v11.7/ASBNode/lib/java/datastage\_common.jar:/sys2/iis/v11.7/ASBNode/lib/java/datastage\_rt\_common.jar:/sys2/iis/v11.7/ASBNode/lib/java/datastage\_java\_logger.jar:/sys2/iis/v11.7/ASBNode/lib/java/datastage\_external.jar:/sys2/iis/v11.7/ASBNode/lib/java/datastage\_api\_restclient.jar:/sys2/iis/v11.7/ASBNode/lib/java/datastage\_api\_restclient\_lang.jar:/sys2/iis/v11.7/ASBNode/lib/java/datastage\_g11n.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client/isf-core.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client/httpclient-4.5.13.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client/httpcore-4.4.14.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client/commons-logging-1.2.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client/isf-common.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client/iis\_util.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client/JSON4J-1.1.0.0.jar:/sys2/iis/v11.7/ASBNode/eclipse/plugins/com.ibm.iis.client com.ibm.datastage.runtime.omdmonapp.OMDMonApp -start

ddsadm 32674 32669 99 13:24 pts/1 00:00:02 /sys2/iis/v11.7/jdk/jre/bin/java -Xbootclasspath/a:conf:eclipse/plugins/com.ibm.iis.client -Xss2M -Xmso2M -Duser.language=en -Duser.country=US -Djava.ext.dirs=/sys2/iis/v11.7/jdk/jre/lib/ext:lib/java:eclipse/plugins:eclipse/plugins/com.ibm.iis.client -Djava.util.logging.config.file=/sys2/iis/v11.7/ASBNode/conf/asbagent-logging.properties -classpath conf:eclipse/plugins/com.ibm.iis.client com.ibm.iis.isf.agent.impl.AgentImpl run

13:24:52 #######################################################################

13:24:52 # Startup of ODFEngine on Linux server DLNXDE91 on 2021-10-13

13:24:52 #######################################################################

ODF engine service started

13:24:58 #######################################################################

13:24:58 # Status of ODEFEngine services on Linux server DLNXDE91

13:24:58 #######################################################################

ODF engine is running on PID 388

13:24:58 ################## Please wait, sending notifications #################

13:25:00 Starting DataStage Engine Start Up

## How to create SQL Server 2016 ODBC data connection in IGC/IA:

1. On engine tier:

sudo su – adsadm

1. Edit .odbc.ini

/sys2/iis/v11.7/Server/ DSEngine/.odbc.ini

[EDG\_Kofax\_BAT\_SQL]

Driver=/sys2/iis/v11.7/Server/branded\_odbc/lib/VMsqls00.so

Description=DataDirect SQL Server Wire Protocol driver

Database=DKofaxRptA1

HostName=10.49.47.6

AnsiNPW=1

IANAAppCodePage=2252

TCPKeepAlive=1

PortNumber=1433

EncryptionMethod=1

ValidateServerCertificate=0

CryptoProtocolVersion=TLSv1.2

1. Test odbc

cd /sys2/iis/v11.7/Server/DSEngine

. ./dsenv

echo $DSHOME

cd ../branded\_odbc/samples/example/

./example

./example DataDirect Technologies, Inc. ODBC Example Application.

Enter the data source name : EDG\_Kofax\_BAT\_SQL

Enter the user name : cskofaxrptdR1

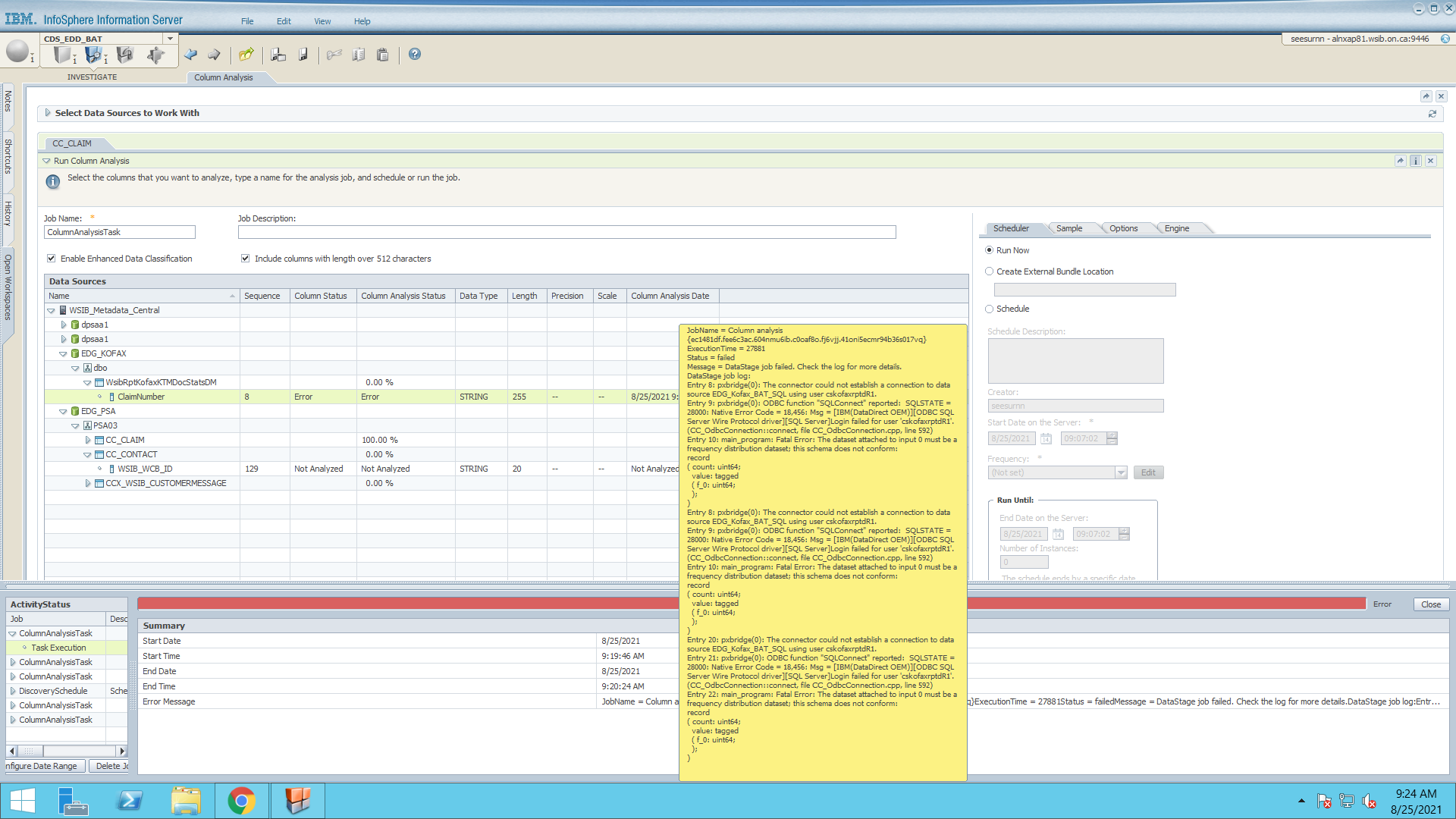
Enter the password : R14App2

\* IBM information:

For TLS1.2 you would also have to properly set [**EncryptionMethod (EM)**](http://media.datadirect.com/download/docs/odbc/allodbc/odbc/Encryption_Method_6.html#wwID0ELCRU) and [**CryptoProtocolVersion (CPV)**](http://media.datadirect.com/download/docs/odbc/allodbc/odbc/Crypto_Protocol_Version_6.html#wwID0EE3OU). You can find details on all the [VMsqls00.so](https://vmsqls00.so/) connection properties here:

<http://media.datadirect.com/download/docs/odbc/allodbc/#page/odbc/connection-option-descriptions-for-sql-server-wi.html>

Column analysis issue happened:



Workaround: reimport metadata and run.

## How to fix error of Oracle data EDG\_PSA connection in IMAM:

Refer to <https://techbros.com.tr/ibm-information-server/ibm-infosphere-metadata-asset-manager-timeout-error/>

cd /sys2/iis/v\*/ASBS\*/bin

./iisAdmin.sh -display -key cas.agent.timeout

./iisAdmin.sh -set -key cas.agent.timeout -value 300

./iisAdmin.sh -display -key cas.agent.timeout

## How to check LDAP groups in command line:

Use net group <ldap group’s name> /domain

C:\WINDOWS\system32>net group GlossaryAssetReviewers /domain

The request will be processed at a domain controller for domain tospwsib.WSIB.ON.CA.

Group name     GlossaryAssetReviewers Comment        Owner: Tariq Mughal

Members

------------------------------------------------------------------------------- ogormanm                 seesurnn                 wangali The command completed successfully.

C:\WINDOWS\system32>

## How to check LDAP string in command line:

C:\WINDOWS\system32>whoami /fqdn

CN=zhuw,OU=RoleA,OU=Users,OU=WSIB,DC=tospwsib,DC=WSIB,DC=ON,DC=CA

## How to enable LDAP users full information:

<https://www.ibm.com/docs/en/iis/11.7?topic=tool-accessing-ldap-attributes>

/sys2/iis/v11.7/ASBServer/bin $./DirectoryAdmin.sh -dam

Nov 30, 2021 9:55:16 AM com.ibm.xmeta.pm.orm.impl.LegacySessionManager cleanupLocks

INFO: Clearing abandoned locks (2) ...

User attribute mappings:

Group attribute mappings:

/sys2/iis/v11.7/ASBServer/bin $./DirectoryAdmin.sh -sam -um "mail=mail,sn=lastName,givenName=firstName" -gm "cn=name"

/sys2/iis/v11.7/ASBServer/bin $./DirectoryAdmin.sh -dam

Nov 30, 2021 10:18:10 AM com.ibm.xmeta.pm.orm.impl.LegacySessionManager cleanupLocks

INFO: Clearing abandoned locks (1) ...

User attribute mappings:

mail = mail

sn = lastName

givenName = firstName

Group attribute mappings:

cn = name

/sys2/iis/v11.7/ASBServer/bin $

## How to check firewall open in command line:

nc –v <ip> <port>

## How to replace string in one file:

sed -i 's/old-text/new-text/g' input.txt

## How to synchronize glossary assets in igc:

To synchronize glossary assets please run:

/opt/IBM/InformationServer/Clients/istools/cli/[istool.sh](https://istool.sh/) graph batchload -u isadmin -p mypassword -c START -groups igc

<https://www.ibm.com/docs/en/iis/11.7?topic=assets-synchronizing-manually>

istool> graph batchload -u adsadm -p aseiis18 -c START -groups igc

Preparing graph batchload command

Sending graph batchload command

Command sent, will be processed asynchronously

istool>

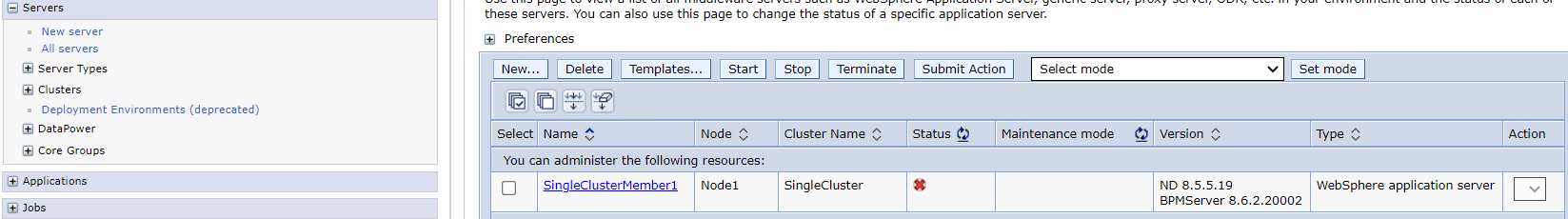
istool> quit

istool> graph batchload -u adsadm -p aseiis18 -c START –all

## How to restart WAS for BAW:

Follow the steps with stop Server (UI) -> NodeAgent -> DeManager -> Start DM -> NodeAgent -> Server

1. Go to WAS console -> all servers -> stop



1. Go to server putty to stop Node

cd /sys2/iis/v11.7/BAW/profiles/Node1Profile/bin

[awasadm@ald8bp01 bin]$ ./stopNode.sh

ADMU0116I: Tool information is being logged in file

/sys2/iis/v11.7/BAW/profiles/Node1Profile/logs/nodeagent/stopServer.log

ADMU0128I: Starting tool with the Node1Profile profile

ADMU3100I: Reading configuration for server: nodeagent

Realm/Cell Name: <default>

Username: wasadmin1

Password:

ADMU3201I: Server stop request issued. Waiting for stop status.

ADMU4000I: Server nodeagent stop completed.

1. Keep going to stop manager

cd /sys2/iis/v11.7/BAW/profiles/DmgrProfile/bin

[awasadm@ald8bp01 bin]$ ./stopManager.sh

ADMU0116I: Tool information is being logged in file

/sys2/iis/v11.7/BAW/profiles/DmgrProfile/logs/dmgr/stopServer.log

ADMU0128I: Starting tool with the DmgrProfile profile

ADMU3100I: Reading configuration for server: dmgr

Realm/Cell Name: <default>

Username: wasadmin1

Password:

ADMU3201I: Server stop request issued. Waiting for stop status.

ADMU4000I: Server dmgr stop completed.

1. Check status of java id, only one now

[awasadm@ald8bp01 bin]$ ps -ef | grep java

awasadm 17984 16879 0 10:25 pts/0 00:00:00 grep --color=auto java

1. Keep going to start manager

[awasadm@ald8bp01 bin]$ ./startManager.sh

CWUPO0001I: Running configuration action detectNewProducts.ant

ADMU0116I: Tool information is being logged in file

/sys2/iis/v11.7/BAW/profiles/DmgrProfile/logs/dmgr/startServer.log

ADMU0128I: Starting tool with the DmgrProfile profile

ADMU3100I: Reading configuration for server: dmgr

ADMU3200I: Server launched. Waiting for initialization status.

ADMU3000I: Server dmgr open for e-business; process id is 18163

[awasadm@ald8bp01 bin]$

1. Keep going to start node

cd /sys2/iis/v11.7/BAW/profiles/Node1Profile/bin

[awasadm@ald8bp01 bin]$ ./startNode.sh

CWUPO0001I: Running configuration action detectNewProducts.ant

ADMU0116I: Tool information is being logged in file

/sys2/iis/v11.7/BAW/profiles/Node1Profile/logs/nodeagent/startServer.log

ADMU0128I: Starting tool with the Node1Profile profile

ADMU3100I: Reading configuration for server: nodeagent

ADMU3200I: Server launched. Waiting for initialization status.

ADMU3000I: Server nodeagent open for e-business; process id is 18793

1. Last one start server from ui

## Kubenate command:

[交互式教程 - 部署应用 | Kubernetes](https://kubernetes.io/zh/docs/tutorials/kubernetes-basics/deploy-app/deploy-interactive/)

kubectl create deployment kubernetes-bootcamp --image=gcr.io/google-samples/kubernetes-bootcamp:v1

kubectl get deployments

NAME READY UP-TO-DATE AVAILABLE AGE

audit-trail-service 1/1 1 1 182d

finley-ml 1/1 1 1 182d

gov-admin-ui 1/1 1 1 182d

gov-app-config-service 1/1 1 1 182d

gov-catalog-search-index 1/1 1 1 182d

gov-catalog-search-service 1/1 1 1 182d

gov-enterprise-search-ui 1/1 1 1 182d

gov-flow-service 0/0 0 0 182d

gov-insights-service 1/1 1 1 182d

gov-lineage-service 0/0 0 0 182d

gov-login-ui 1/1 1 1 182d

gov-quality-ui 1/1 1 1 182d

gov-social-kg-bridge 1/1 1 1 182d

gov-social-service 1/1 1 1 182d

gov-tasks-ui 1/1 1 1 182d

gov-ui-commons 1/1 1 1 182d

gov-user-prefs-service 1/1 1 1 182d

gov-workflow-service 1/1 1 1 182d

gremlin-console 1/1 1 1 182d

ia-analysis 1/1 1 1 182d

igc-ui-react 1/1 1 1 182d

kafka-exporter 1/1 1 1 182d

odf-fast-analyzer 1/1 1 1 182d

omag 1/1 1 1 182d

shop4info-event-consumer 1/1 1 1 182d

shop4info-mappers-service 1/1 1 1 182d

shop4info-rest 1/1 1 1 182d

shop4info-scheduler 1/1 1 1 182d

shop4info-type-registry 1/1 1 1 182d

user-mgmt-ui 0/0 0 0 182d

echo -e "\n\n\n\e[92mStarting Proxy. After starting it will not output a response. Please click the first Terminal Tab\n"; kubectl proxy

curl <http://localhost:8001/version>

export POD\_NAME=$(kubectl get pods -o go-template --template '{{range .items}}{{.metadata.name}}{{"\n"}}{{end}}') echo Name of the Pod: $POD\_NAME

curl <http://localhost:8001/api/v1/namespaces/default/pods/$POD_NAME/>

* **kubectl get** - 列出资源
* **kubectl describe** - 显示有关资源的详细信息
* **kubectl logs** - 打印 pod 和其中容器的日志
* **kubectl exec** - 在 pod 中的容器上执行命令

kubectl get pods

kubectl describe pods

echo -e "\n\n\n\e[92mStarting Proxy. After starting it will not output a response. Please click the first Terminal Tab\n"; kubectl proxy

export POD\_NAME=$(kubectl get pods -o go-template --template '{{range .items}}{{.metadata.name}}{{"\n"}}{{end}}') echo Name of the Pod: $POD\_NAME

curl <http://localhost:8001/api/v1/namespaces/default/pods/$POD_NAME/proxy/>

kubectl logs $POD\_NAME

kubectl exec $POD\_NAME – env

kubectl exec -ti $POD\_NAME – bash

kubectl get services

kubectl describe services/kubernetes-bootcamp

export NODE\_PORT=$(kubectl get services/kubernetes-bootcamp -o go-template='{{(index .spec.ports 0).nodePort}}') echo NODE\_PORT=$NODE\_PORT

curl $(minikube ip):$NODE\_PORT

kubectl describe deployment

kubectl get pods -l app=kubernetes-bootcamp

kubectl get services -l app=kubernetes-bootcamp

export POD\_NAME=$(kubectl get pods -o go-template --template '{{range .items}}{{.metadata.name}}{{"\n"}}{{end}}') echo Name of the Pod: $POD\_NAME

kubectl label pods $POD\_NAME version=v1

kubectl describe pods $POD\_NAME

kubectl get pods -l version=v1

kubectl delete service -l app=kubernetes-bootcamp

kubectl get services

curl $(minikube ip):$NODE\_PORT

kubectl exec -ti $POD\_NAME -- curl localhost:8080

kubectl get deployments

kubectl get rs

kubectl scale deployments/kubernetes-bootcamp --replicas=4

kubectl get deployments

kubectl get pods -o wide

kubectl describe deployments/kubernetes-bootcamp

kubectl describe services/kubernetes-bootcamp

export NODE\_PORT=$(kubectl get services/kubernetes-bootcamp -o go-template='{{(index .spec.ports 0).nodePort}}') echo NODE\_PORT=$NODE\_PORT

curl $(minikube ip):$NODE\_PORT

kubectl scale deployments/kubernetes-bootcamp --replicas=2

kubectl get deployments

kubectl get pods -o wide

kubectl set image deployments/kubernetes-bootcamp kubernetes-bootcamp=jocatalin/kubernetes-bootcamp:v2

kubectl get pods

kubectl describe services/kubernetes-bootcamp

export NODE\_PORT=$(kubectl get services/kubernetes-bootcamp -o go-template='{{(index .spec.ports 0).nodePort}}') echo NODE\_PORT=$NODE\_PORT

curl $(minikube ip):$NODE\_PORT

kubectl rollout status deployments/kubernetes-bootcamp

kubectl describe pods

kubectl set image deployments/kubernetes-bootcamp kubernetes-bootcamp=gcr.io/google-samples/kubernetes-bootcamp:v10

kubectl get deployments

kubectl get pods

kubectl describe pods

kubectl rollout undo deployments/kubernetes-bootcamp

kubectl get pods

kubectl describe pods

**/tmp $kubectl**

kubectl controls the Kubernetes cluster manager.

Find more information at:

https://kubernetes.io/docs/reference/kubectl/overview/

Basic Commands (Beginner):

create Create a resource from a file or from stdin.

expose Take a replication controller, service, deployment or pod and

expose it as a new Kubernetes Service

run Run a particular image on the cluster

set Set specific features on objects

Basic Commands (Intermediate):

explain Documentation of resources

get Display one or many resources

edit Edit a resource on the server

delete Delete resources by filenames, stdin, resources and names, or

by resources and label selector

Deploy Commands:

rollout Manage the rollout of a resource

scale Set a new size for a Deployment, ReplicaSet or Replication

Controller

autoscale Auto-scale a Deployment, ReplicaSet, or ReplicationController

Cluster Management Commands:

certificate Modify certificate resources.

cluster-info Display cluster info

top Display Resource (CPU/Memory/Storage) usage.

cordon Mark node as unschedulable

uncordon Mark node as schedulable

drain Drain node in preparation for maintenance

taint Update the taints on one or more nodes

Troubleshooting and Debugging Commands:

describe Show details of a specific resource or group of resources

logs Print the logs for a container in a pod

attach Attach to a running container

exec Execute a command in a container

port-forward Forward one or more local ports to a pod

proxy Run a proxy to the Kubernetes API server

cp Copy files and directories to and from containers.

auth Inspect authorization

Advanced Commands:

diff Diff live version against would-be applied version

apply Apply a configuration to a resource by filename or stdin

patch Update field(s) of a resource using strategic merge patch

replace Replace a resource by filename or stdin

wait Experimental: Wait for a specific condition on one or many

resources.

convert Convert config files between different API versions

kustomize Build a kustomization target from a directory or a remote url.

Settings Commands:

label Update the labels on a resource

annotate Update the annotations on a resource

completion Output shell completion code for the specified shell (bash or

zsh)

Other Commands:

api-resources Print the supported API resources on the server

api-versions Print the supported API versions on the server, in the form of

"group/version"

config Modify kubeconfig files

plugin Provides utilities for interacting with plugins.

version Print the client and server version information

Usage:

kubectl [flags] [options]

Use "kubectl <command> --help" for more information about a given command.

Use "kubectl options" for a list of global command-line options (applies to all

commands).

/tmp $

**/sys2home/dwasadm $kubectl describe --help**

Show details of a specific resource or group of resources

Print a detailed description of the selected resources, including related resources such as events or controllers. You

may select a single object by name, all objects of that type, provide a name prefix, or label selector. For example:

$ kubectl describe TYPE NAME\_PREFIX

will first check for an exact match on TYPE and NAME\_PREFIX. If no such resource exists, it will output details for

every resource that has a name prefixed with NAME\_PREFIX.

Use "kubectl api-resources" for a complete list of supported resources.

Examples:

# Describe a node

kubectl describe nodes kubernetes-node-emt8.c.myproject.internal

# Describe a pod

kubectl describe pods/nginx

# Describe a pod identified by type and name in "pod.json"

kubectl describe -f pod.json

# Describe all pods

kubectl describe pods

# Describe pods by label name=myLabel

kubectl describe po -l name=myLabel

# Describe all pods managed by the 'frontend' replication controller (rc-created pods

# get the name of the rc as a prefix in the pod the name).

kubectl describe pods frontend

Options:

-A, --all-namespaces=false: If present, list the requested object(s) across all namespaces. Namespace in current

context is ignored even if specified with --namespace.

-f, --filename=[]: Filename, directory, or URL to files containing the resource to describe

-k, --kustomize='': Process the kustomization directory. This flag can't be used together with -f or -R.

-R, --recursive=false: Process the directory used in -f, --filename recursively. Useful when you want to manage

related manifests organized within the same directory.

-l, --selector='': Selector (label query) to filter on, supports '=', '==', and '!='.(e.g. -l key1=value1,key2=value2)

--show-events=true: If true, display events related to the described object.

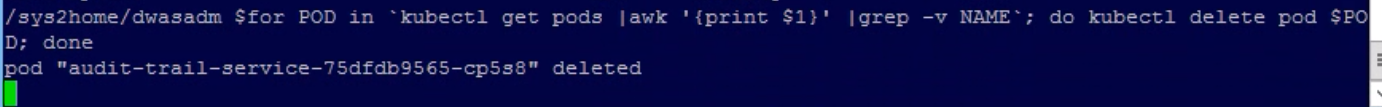
Usage:

kubectl describe (-f FILENAME | TYPE [NAME\_PREFIX | -l label] | TYPE/NAME) [options]

Use "kubectl options" for a list of global command-line options (applies to all commands).

**Practice:**

/sys2home/dwasadm $ for POD in `kubectl get pods |awk ‘{print $l}’ | grep -v NAME`; do kubectl delete pod $POD; done



kubectl get pods --all-namespaces

kubectl get statefulset -n platform-services elasticsearch -o yaml > /tmp/elasticsearch-sts-output.yaml

kubectl describe pods -A > /tmp/pods\_dt\_all.log

**2. solr issue requested restart solr index mapping**

1. on the microservices tier run: kubectl delete pod solr-0 zookeeper-0 kafka-0

2. run following and wait until READY equals 1/1 and status equals running for above pods: kubectl get pods | egrep "solr|zookeeper|kafka"

3. Run the following from Internet browser, use "isadmin" or "wasadmin" IIS uses if prompted: https://plm1ms02.wsib.on.ca/ibm/iis/common-utils/rest/v1/app/reindex?batchSize=100&solrBatchSize=100

If issue persists, replicate the issue provide

1) Login to UG server using ssh.

2) Scale shop4info pods which connect to Cassandra to 0:

kubectl scale --replicas=0 deploy shop4info-event-consumer

kubectl scale --replicas=0 deploy shop4info-rest

kubectl scale --replicas=0 deploy shop4info-scheduler

kubectl scale --replicas=0 deploy shop4info-type-registry

3) Open Cassandra CQL shell:

kubectl exec -t -i cassandra-0 -- ./bin/cqlsh -u cassandra -p $(kubectl get secret cassandra -o jsonpath={.data.super\_password} | base64 -d)

4) Drop keyspaces used by shop4info (and exit the shell -> Ctrl+D):

DROP KEYSPACE janusgraph;

DROP KEYSPACE type\_registry\_graph;

5) Prepare a schema reinitialization manifest:

kubectl get job shop4info-schema-init -o json | jq 'del(.spec.selector)' | jq 'del(.spec.template.metadata.labels)' | jq '.spec.template.spec.containers[].name = "shop4info-schema-reinit"' | jq '.[metadata.name](https://metadata.name/) = "shop4info-schema-reinit"' > shop4info-schema-reinit.json

If jq is not installed, the manifest can be also edited manually:

kubectl get job shop4info-schema-init -o json > shop4info-schema-reinit.json

Two sections need to be removed:

.spec.selector

.spec.template.metadata.labels

Two name properties need to be changed to "shop4info-schema-reinit":

.spec.template.spec.containers[].name

.[metadata.name](https://metadata.name/)

6) Apply the manifest to reinitialize schemata:

kubectl apply -f shop4info-schema-reinit.json

7) Wait until shop4info-schema-reinit completes and check if it has succeeded:

kubectl get pod | grep shop4info-schema-reinit

kubectl logs shop4info-schema-reinit...

(exact pod name to be read from the previous command)

8) Scale shop4info pods back to 1:

kubectl scale --replicas=1 deploy shop4info-type-registry

kubectl scale --replicas=1 deploy shop4info-event-consumer

kubectl scale --replicas=1 deploy shop4info-rest

kubectl scale --replicas=1 deploy shop4info-scheduler

9) Wait until all shop4info pods are ready (their status can be read from the output of kubectl get pods).

10) Excute graph batchload to sync the IIS and ES for all assets:

/opt/IBM/InformationServer/Clients/istools/cli/[istool.sh](https://istool.sh/) graph batchload -u isadmin -p password -c START -all -caDefinitions -bundleAssets

11) Review shop4info-event-consumer logs to make sure there are no errors:

kubectl logs -f $(kubectl get pod -l app=shop4info-event-consumer -o name)

