# notifyMail - Sends email notification

#Parameter $1 for Error code

#Parameter $2 for Server Instance name

#Parameter $3 for Host IP

#Parameter $4 is port

#Parameter $5 is Mail Subject

#Parameter $6 is Mail Body

function notifyMail() {

LOG\_PATH=$JBOSS\_HOME/standalone/log/"Restart\_Email\_Log".txt

HOST\_NAME=`hostname`

MessageHeader="$5"

Message="$6"

TO\_ADDRESS='araghuraman@apple.com'

FROM\_ADDRESS='Portal\_Deployment\_monitor\_html@apple.com'

echo "From: ${FROM\_ADDRESS}" >$LOG\_PATH

echo "To: ${TO\_ADDRESS}" >>$LOG\_PATH

echo "Subject:${MessageHeader} $HOST\_NAME ($3)">>$LOG\_PATH

echo "Content-Type: text/html; charset=\"us-ascii\"" >> $LOG\_PATH

echo "<table width=100% align=center border=2 align=center cellpadding=2 cellspacing=2><tbody ><tr style=background-color:#9C9C9C><td width=50% >HOST NAME : $HOST\_NAME ($3) </td> </tr> <tr style=background-color:#9C9C9C> <td width=50%> SERVER NAME: $2 </td> </tr> " >> $LOG\_PATH

echo "<tr> <td > ${Message} </td> </tr> " >>$LOG\_PATH

echo " <tr > <td > Please find the list of the Applications Failed to deploy </td > </tr> " >>$LOG\_PATH

cd $JBOSS\_HOME/bin

./jboss-cli.sh -c --controller=$3:$4 --command=deployment-info > $DEPLOY\_LOG\_TEMP

loop=2

count=`cat $DEPLOY\_LOG\_TEMP | wc -l`

failcount=0

while [ $loop -le $count ]

do

value=`cat $DEPLOY\_LOG\_TEMP| awk NR==$loop `

filename=`echo $value | awk '{ print $1 }'`

status=`echo $value | awk '{ print $5 }'`

loop=`expr $loop + 1`

if [ -n "$status" ] && [ "$status" != "OK" ]

then

failcount=`expr $failcount + 1`

echo " <tr > <td >$filename </td> </tr> " >>$LOG\_PATH

fi

done

echo " </tbody></table> " >>$LOG\_PATH

cd $org\_path

if [ "$1" == "SA001" ] && [ $failcount -eq 0 ]

then

rm $DEPLOY\_LOG\_TEMP

rm $LOG\_PATH > /dev/null

else

#Calling send mail utility

/usr/sbin/sendmail -t < $LOG\_PATH

fi

echo "Notification Sent!!!"

}

# startNotifications - sends out notifications related to startup

#Parameter $1 for Server Instance name

#Parameter $2 for Host IP

#Parameter $3 is port

function startNotifications() {

echo "Checking if any startup notifications need to be sent..."

# Determining error code and associated details

PID\_COUNT=$(ps -ef | grep $1 | grep jboss.server.base | grep -v grep | grep -v "ansible" | wc -l)

echo $PID\_COUNT

# if Process started

if [ $PID\_COUNT -eq 0 ]

then

echo "Server down."

notifyMail ER004 $1 $2 $3 "$ER004\_HEADER" "$ER004\_MESSAGE"

elif [ $PID\_COUNT -eq 1 ]

then

echo "Server process found...Scanning logs"

# if started with errors,exit status 1 is returned

if grep "started (with errors)" $JBOSS\_HOME/bin/out.log > /dev/null

then

echo "Started with Errors"

notifyMail ER003 $1 $2 $3 "$ER003\_HEADER" "$ER003\_MESSAGE"

# if clean start, exit status 0 is returned

elif grep "started in" $JBOSS\_HOME/bin/out.log > /dev/null

then

echo "Started"

notifyMail SA001 $1 $2 $3 "$SA001\_HEADER" "$SA001\_MESSAGE"

else

echo "Failed"

notifyMail ER004 $1 $2 $3 "$ER004\_HEADER" "$ER004\_MESSAGE"

fi

else

echo "Failed"

notifyMail ER004 $1 $2 $3 "$ER004\_HEADER" "$ER004\_MESSAGE"

fi

}

# startNotifications - sends out notifications related to shutdown

#Parameter $1 for Server Instance name

#Parameter $2 for Host IP

#Parameter $3 is port

function shutdownNotifications() {

#check if server is not getting stopped

echo "Checking if any shutdown notifications need to be sent..."

PID\_COUNT=$(ps -ef | grep $1 | grep jboss.server.base | grep -v grep | grep -v "ansible" | wc -l)

if [ $PID\_COUNT -eq 1 ]

then

echo "Failed to Stop Server"

notifyMail ER002 $1 $2 $3 "$ER002\_HEADER" "$ER004\_MESSAGE"

fi

}

# Main - Notifications

#Parameter $1 for Server Instance name

#Parameter $2 for Host IP

#Parameter $3 is port

#Parameter $4 is JBOSS\_HOME

#Parameter $5 is function

JBOSS\_HOME=$4

DEPLOY\_LOG\_TEMP=$JBOSS\_HOME/standalone/log/"Restart\_Deploystatus\_Temp".txt

# Standard Error-based headers/contents to include in the email

ER001\_HEADER='Weekly Maintenance -Failed to execute CLI Command - Stop Server at Host.'

ER001\_MESSAGE='Please verify the mentioned server instance. Couldn’t able to to execute CLI Command - Stop the Server.'

ER002\_HEADER='Weekly Maintenance -Failed to Stop Server at Host.'

ER002\_MESSAGE='Please verify the mentioned server instance. Couldn’t able to Stop the Server.'

ER003\_HEADER='Weekly Maintenance -Server Started with Errors at Host.'

ER003\_MESSAGE='Please verify the mentioned server instance. Server Started with Errors.'

ER004\_HEADER='Weekly Maintenance -Failed to Start Server at Host.'

ER004\_MESSAGE='Please verify the mentioned server instance. Couldn’t able to Start the Server.'

ER005\_HEADER='Weekly Maintenance -Failed to execute CLI Command - Start Server at Host.'

ER005\_MESSAGE='Please verify the mentioned server instance. Couldn’t able to to execute CLI Command - Start the Server.'

SA001\_HEADER='Server Started but some Applications Failed to deploy.'

SA001\_MESSAGE='Server Started but some Applications Failed to deploy.'

$5 $1 $2 $3