

Managed Shell

Shell sample

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유용한 Shell script

파일을 찾아서 변경하는 shell

•

```
if [ "${2}" = "" ]
then
    echo Input 2 Arguments !!!
    exit
fi

DOMAIN_HOME=${PWD}
DOMAIN_HOME=/weblogic/wls64/user_projects/domains/dcnpwas
echo "DOMAIN_HOME : ${DOMAIN_HOME}"
echo "AS-IS : ${1}"
echo "TO-BE : ${2}"
echo "Start Step 1"
find ./ -type f -name "*.sh" -exec perl -pi -e "s/${1}/${2}/g" {} \;
echo "Start Step 2"
find ./ -type f -name "*.xml" -exec perl -pi -e "s/${1}/${2}/g" {} \;
echo "Start Step 3"
find ./ -type f -name "*.properties" -exec perl -pi -e "s/${1}/${2}/g" {} \;
echo "Start Step 4"
find ./ -type f -name "*.py" -exec perl -pi -e "s/${1}/${2}/g" {} \;
echo "Done"
```

혹시 61번 서버에서 테스트한 소스를 4.2나 4.3dp 옮기시려면

[2014-02-17 오후 5:49:42] 김태우님의 말:

```
scp -P 38 -rp * weblogic@172.19.4.2:/weblogic/wls64/user_projects/domains/bidwas1/p
```

예) server1 의 /data를 s01wasp2 의 /data로 복사
양쪽 서버 간에 rsh 로그인이 되도록 설정후 실행
s01wasp2서버는 rsh 설정이 되어있음

gtar 명령어예제

server1 에서 다음을 수행

```
server1:[/] cd /data
```

```
server1:[/data] gtar -cvf - * | (rsh s01wasp2 "cd /data ; gtar -xvf -" )
```

rsync 명령어예제

server1 에서 다음을 수행

```
rsync -artv --rsh=rsh /data s01wasp2:/
```

조회한 파일리스트를 잘라내서 저장 - 전체 class 와 java 파일을 비교(diff)하기 위해서 사용함

```
find ./temp -name "*.java" | awk -F ".java" '{printf $1"\n"}' | awk -F/temp/src/ '{;
find ./webapps -name "*.class" | awk -F/webapps/WEB-INF/classes/ '{print $2}' | awk
```

jeus WAS 배포 - 전체 배포

```
#!/bin/sh

echo
echo '##### START DEPLOY #####'
echo

if [[ $# -eq 0 ]];then
    echo "ERROR 255: Must provide the following 1 system name parameters:"
    exit 255
fi

echo '#Actually system name = ' $1
echo

#### JAVA ENV ####
export JAVA_HOME=/usr/java7_64
export PATH=$JAVA_HOME/bin:$PATH:..

#### JEUS ENV ####
export JEUS_HOME=/sw/jeusadm/jeus7
export PATH="$JEUS_HOME/bin:$JEUS_HOME/lib/system:$JEUS_HOME/webserver/bin:${PATH}"
export JEUS_LOG_HOME=/swlog/jeus

echo
echo '1. Backup & Stop'
export NOW=`date +%Y%m%d`
export OLDDAY=$((NOW -2))
export NOWTIME=`date +%H%m`
export NUMOFSEVER=`uname -n | cut -f2 -d"0"`
export SERVER=$1"_server"$NUMOFSEVER
export DOMAIN=lp$1"_domain"
export PORT

if [ $1 = "sis" ]
then
    PORT=10100
else
    if [ $1 = "pis" ]
    then
        PORT=10200
    else
        if [ $1 = "scm" ]
        then
```

```

                PORT=10500
            else
                echo " ### ERROR SERVIER NOT EXIST only sis, pis, scm ###"
                exit 1
            fi
        fi
    fi
    echo ' > Deploy Server['$SERVER'], PORT['$PORT'], Domain['$DOMAIN'], Number of ser

    echo ' > Today = ' $NOW$NOWTIME
    cd /app/ldsp/$1
    find /app/ldsp/$1 -xdev | grep -v 'nas' > /app/ldsp/$1/flist
    tar -cf /app/ldsp/backup/$1-$NOW$NOWTIME.tar -L /app/ldsp/$1/flist
    echo ' > Backup file : ' $1-$NOW$NOWTIME.tar
    rm /app/ldsp/$1/flist

    echo
    echo '2. Shutdown ' $DOMAIN
    jeusadmin -domain $DOMAIN -host 10.7.17.29:$PORT -f /sw/jeusadm/jeus7/bin/scripts/j

    echo '3. Delete 20 day ago '
    find /app/ldsp/backup -mtime +20 -print | xargs rm -f

    echo
    echo '4. Delete web root '
    echo ' > Delete ' $1
    cd /app/ldsp/$1
    ls /app/ldsp/$1 | grep -v nas | grep -v export | grep -v import | xargs rm -rf
    echo ' > Clear check ' $1
    ls /app/ldsp/$1

    echo
    echo '5. Copy WAR to ' $1
    echo ' > Copy War to ' $1
    cp /app/ldsp/publishing/emdv3.war /app/ldsp/$1

    echo
    echo '6. Decompress WAR'
    echo ' > Decompress ' $1
    cd /app/ldsp/$1
    jar -xf /app/ldsp/$1/emdv3.war

    echo
    echo '7. Deploy Report'
    echo ' > Deploy report ' $1 ' --> /app/ldsp/rpt/ReportingServer/mrd'
    cd /app/ldsp/$1
    cp -fR /app/ldsp/$1/report /app/ldsp/rpt/ReportingServer/mrd/

    echo
    echo '8. Deploy Configurations'
    echo ' > Deploy ldsp.xml'
    cp /app/ldsp/publishing/config/context-ldsp.xml /app/ldsp/$1/WEB-INF/classes/spring
    echo ' > Deploy logback.xml'
    cp /app/ldsp/publishing/config/logback.xml /app/ldsp/$1/WEB-INF/classes
    echo ' > Deploy ldsp.properties'
    cp /app/ldsp/publishing/config/resources/properties/ldsp.properties /app/ldsp/$1/WE

    echo
    echo '9. Startup ' $1
    startDomainAdminServerNM -host 10.7.17.29 -port 7730 -domain $DOMAIN -server $SERVE

    echo
    echo '##### FINISH DEPLOY #####'
    echo

```

```
echo '10. Finish deploy'
echo 'Bye'
```

Jeus WAS 개별 배포

```
#!/bin/sh

echo
echo '##### START DEPLOY #####'
echo

if [[ $# -eq 0 ]];then
    echo "ERROR 255: Must provide the following 1 system name parameters:"
    exit 255
fi

echo '#Actually system name = ' $1
echo

#### JAVA ENV ####
export JAVA_HOME=/usr/java7_64
export PATH=$JAVA_HOME/bin:$PATH:.

#### JEUS ENV ####
export JEUS_HOME=/sw/jeusadm/jeus7
export PATH="$JEUS_HOME/bin:$JEUS_HOME/lib/system:$JEUS_HOME/webserver/bin:${PATH}"
export JEUS_LOG_HOME=/swlog/jeus

echo
echo '1. Backup & Stop'
export NOW=`date +%Y%m%d`
export OLDDAY=$((NOW -2))
export NOWTIME=`date +%H%m`
export NUMOFSERVER=`uname -n | cut -f2 -d"0"`
export SERVER=$1"_server"$NUMOFSERVER
export DOMAIN=lp$1"_domain"
export PORT

if [ $1 = "sis" ]
then
    PORT=10100
else
    if [ $1 = "pis" ]
    then
        PORT=10200
    else
        if [ $1 = "scm" ]
        then
            PORT=10500
        else
            echo " ### ERROR SERVIER NOT EXIST only sis, pis, scm ###"
            exit 1
        fi
    fi
fi

echo ' > Deploy Server['$SERVER'], PORT['$PORT'], Domain['$DOMAIN'], Number of ser'
```

```

echo ' > Today = ' $NOW$NOWTIME
cd /app/ldsp/$1
find /app/ldsp/$1 -xdev | grep -v 'nas' > /app/ldsp/$1/flist
tar -cf /app/ldsp/backup/$1-IND-$NOW$NOWTIME.tar -L /app/ldsp/$1/flist
echo ' > Backup file : ' $1-IND-$NOW$NOWTIME.tar
rm /app/ldsp/$1/flist

echo '3. Delete 20 day ago '
find /app/ldsp/backup -mtime +20 -print | xargs rm -f

echo
echo '3. Make temp folder for decompress : ' $1
mkdir /app/ldsp/publishing/temp-$1-$NOW$NOWTIME
ls -l /app/ldsp/publishing

echo
echo '4. Copy JAR to tmp for ' $1
echo ' > Copy JAR to tmp for ' $1
cp /app/ldsp/publishing/emdv3-ind-was.jar /app/ldsp/publishing/temp-$1-$NOW$NOWTIME

echo
echo '5. Decompress JAR'
echo ' > Decompress ' $1
cd /app/ldsp/publishing/temp-$1-$NOW$NOWTIME
jar -xf /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/emdv3-ind-was.jar
ls -lR /app/ldsp/publishing/temp-$1-$NOW$NOWTIME
export TOTALCLASSFILES=`find /app/ldsp/publishing/temp-$1-$NOW$NOWTIME -name '*.cla`
export TOTALXMLFILES=`find /app/ldsp/publishing/temp-$1-$NOW$NOWTIME -name '*.xml'`
export TOTALMRDFILES=`find /app/ldsp/publishing/temp-$1-$NOW$NOWTIME -name '*.mrd'`
export TOTALFILES=`expr $TOTALCLASSFILES + $TOTALXMLFILES + $TOTALMRDFILES`
echo ' Total classes=' $TOTALCLASSFILES ' , xml=' $TOTALXMLFILES ' , mrd=' $TOTALMRD
echo ' Total files = ' $TOTALFILES

if [ $TOTALFILES = 0 ]
then
    echo ' !!!!! ### No file ' $1 ' ### !!!!!'
else
    echo
    echo '2. Shutdown ' $DOMAIN
    jeusadmin -domain $DOMAIN -host 10.7.17.29:$PORT -f /sw/jeusadm/jeus7/bin/s

    echo
    echo '7. Copy class, mrd, xml to ' $1
    cd /app/ldsp/publishing/temp-$1-$NOW$NOWTIME
    cp -fR /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/java/WEB-INF/classes/com /
    cp -fR /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/mrd/report /app/ldsp/rpt/R
    cp -fR /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/xml/WEB-INF/classes/sqlmap

    echo ' > Deploy ldsp.properties'
    cp /app/ldsp/publishing/config/resources/properties/ldsp.properties /app/ld

    echo
    echo '8. Startup ' $1
    startDomainAdminServerNM -host 10.7.17.29 -port 7730 -domain $DOMAIN -serve

fi

echo
echo '9 Clear delete files war & jar '
cd /app/ldsp/publishing/
rm -rf /app/ldsp/publishing/temp-$1-$NOW$NOWTIME

echo
echo '##### FINISH DEPLOY #####'
echo

```

```
echo '10. Finish deploy'
echo 'Bye'
```

Webtob 전체 배포

```
#!/bin/sh

echo
echo '##### START DEPLOY #####'
echo

if [[ $# -eq 0 ]];then
    echo "ERROR 255: Must provide the following 1 system name parameters:"
    exit 255
fi

if [ $1 = "sis" ]
then
    echo '#Actually system name = ' $1
else
    if [ $1 = "pis" ]
    then
        echo '#Actually system name = ' $1
    else
        if [ $1 = "scm" ]
        then
            echo '#Actually system name = ' $1
        else
            echo " ### ERROR SERVIER NOT EXIST only sis, pis, scm ###"
            exit 1
        fi
    fi
fi

echo '#Actually system name = ' $1
echo
echo
echo '1. Backup & Stop'
export NOW=`date +%Y%m%d`
export OLDDAY=$((NOW -2))
export NOWTIME=`date +%H%m`

echo ' > Today = ' $NOW$NOWTIME
cd /app/ldsp/$1
find /app/ldsp/$1 -xdev | grep -v 'nas' > /app/ldsp/$1/flist
tar -cf /app/ldsp/backup/$1-$NOW$NOWTIME.tar -L /app/ldsp/$1/flist
echo ' > Backup file : ' $1-$NOW$NOWTIME.tar
rm /app/ldsp/$1/flist

echo '2. Delete two day ago = ' $1-$OLDDAY*
rm -rf /app/ldsp/backup/$1-$OLDDAY*.tar

echo
echo '3. Delete web root '
echo ' > Delete ' $1
cd /app/ldsp/$1
ls /app/ldsp/$1 | grep -v nas | grep -v export | grep -v import | xargs rm -rf
echo ' > Clear check ' $1
ls /app/ldsp/$1
```

```

echo
echo '4. Copy JAR to ' $1
echo ' > Copy JAR to ' $1
cp /app/ldsp/publishing/emdv3-web.jar /app/ldsp/$1

echo
echo '5. Decompress JAR'
echo ' > Decompress ' $1
cd /app/ldsp/$1
jar -xf /app/ldsp/$1/emdv3-web.jar

echo
echo '6. Copy config files'
echo ' > Deploy editor hp_SE2M_AttachQuickPhoto.js'
cp /app/ldsp/publishing/config/webapp/EMDV3/editor/photo_uploader/plugin/hp_SE2M_At
echo ' > Deploy editor attach_photo.js'
cp /app/ldsp/publishing/config/webapp/EMDV3/editor/photo_uploader/popup/attach_phot
echo ' > Deploy editor_portal hp_SE2M_AttachQuickPhoto.js'
cp /app/ldsp/publishing/config/webapp/EMDV3/editor_portal/photo_uploader/plugin/hp_
echo ' > Deploy editor_portal attach_photo.js'
cp /app/ldsp/publishing/config/webapp/EMDV3/editor_portal/photo_uploader/popup/atta
echo ' > Deploy TopFrame.xfdl.js'
cp /app/ldsp/publishing/config/webapp/EMDV3/Frame/TopFrame.xfdl.js /app/ldsp/$1/EMD

echo
echo '7. Clear delete files war & jar '
rm /app/ldsp/$1/emdv3-web.jar

echo
echo '##### FINISH DEPLOY #####'
echo
echo '8. Finish deploy'
echo 'Bye'

```

Webtob 개별 배포

```

#!/bin/sh

echo
echo '##### START DEPLOY #####'
echo

if [[ $# -eq 0 ]];then
    echo "ERROR 255: Must provide the following 1 system name parameters:"
    exit 255
fi

if [ $1 = "sis" ]
then
    echo " ### Ind EMDVSIIS ###"
else
    if [ $1 = "pis" ]
    then
        echo " ### Ind EMDVPIS ###"
    else
        if [ $1 = "scm" ]

```

```

        then
            echo " ### Ind EMDVSCM ###"
        else
            echo " ### ERROR SERVIER NOT EXIST only sis, pis, scm ###"
            exit 1
        fi
    fi
fi

echo '#Actually system name = ' $1 ' Attention : JS file Only !!!!!'
echo
echo
echo '1. Backup & Stop'
export NOW=`date +%Y%m%d`
export OLDDAY=$((NOW -2))
export NOWTIME=`date +%H%m`

echo ' > Today = ' $NOW$NOWTIME
cd /app/ldsp/$1
find /app/ldsp/$1 -xdev | grep -v 'nas' > /app/ldsp/$1/flist
tar -cf /app/ldsp/backup/$1-IND-$NOW$NOWTIME.tar -L /app/ldsp/$1/flist
echo ' > Backup file : ' $1-IND-$NOW$NOWTIME.tar
rm /app/ldsp/$1/flist

echo '2. Delete two day ago = ' $1-IND-$OLDDAY
rm -rf /app/ldsp/backup/$1-IND-$OLDDAY*.tar

echo
echo '3. Make temp folder for decompress : ' $1
mkdir /app/ldsp/publishing/temp-$1-$NOW$NOWTIME
ls -l /app/ldsp/publishing

echo
echo '4. Copy JAR to tmp for ' $1
echo ' > Copy JAR to tmp for ' $1
cp /app/ldsp/publishing/emdv3-ind-web.jar /app/ldsp/publishing/temp-$1-$NOW$NOWTIME

echo
echo '5. Decompress JAR'
echo ' > Decompress ' $1
cd /app/ldsp/publishing/temp-$1-$NOW$NOWTIME
jar -xf /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/emdv3-ind-web.jar
ls -lR /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/xfdl/EMDV3
find /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/xfdl/EMDV3 -name '*.js' | wc -l | xa
export TOTALFILES=`find /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/xfdl/EMDV3 -name
if [ $TOTALFILES = 0 ]
then
    echo ' !!!!! ### No file ' $1 ' ### !!!!!'
else
    echo
    echo '6. Copy xfdl to ' $1
    cd /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/xfdl
    cp -fR /app/ldsp/publishing/temp-$1-$NOW$NOWTIME/xfdl/EMDV3 /app/ldsp/$1

    echo
    echo '7. Copy config files'
    echo ' > Deploy editor hp_SE2M_AttachQuickPhoto.js'
    cp /app/ldsp/publishing/config/webapp/EMDV3/editor/photo_uploader/plugin/hp_
    echo ' > Deploy editor attach_photo.js'
    cp /app/ldsp/publishing/config/webapp/EMDV3/editor/photo_uploader/popup/att.
    echo ' > Deploy editor_portal hp_SE2M_AttachQuickPhoto.js'
    cp /app/ldsp/publishing/config/webapp/EMDV3/editor_portal/photo_uploader/pl
    echo ' > Deploy editor_portal attach_photo.js'
    cp /app/ldsp/publishing/config/webapp/EMDV3/editor_portal/photo_uploader/po
    echo ' > Deploy TopFrame.xfdl.js'

```

```

        cp /app/ldsp/publishing/config/webapp/EMDV3/Frame/TopFrame.xfdl.js /app/lds;
fi

echo
echo '8 Clear delete files war & jar '
cd /app/ldsp/publishing
rm -rf /app/ldsp/publishing/temp-$1-$NOW$NOWTIME

echo
echo '##### FINISH DEPLOY #####'
echo
echo '9. Finish deploy'
echo 'Bye'

```

port check

```

#!/bin/bash

CHECKREMOTESERVERSLIST=checkServerPortList.txt
TIMEOUT=2

OLDIFS=$CHECKREMOTESERVERSLIST
IFS=,

while read -a line;
do
    r=$(timeout 2 bash -c 'exec 3<> /dev/tcp/${line[0]}/${line[1]};echo $?' 2>/dev/null)
    #l_TELNET=`echo "quit" | telnet ${line[0]} ${line[1]} | grep "Escape character" && echo`
    if [ "$r" = "0" ]
    then
        echo "Success !"
    else
        if [ "$r" = "1" ]
        then
            echo "Checked"
        else
            echo "Failed"
        fi
    fi
done <$CHECKREMOTESERVERSLIST
IFS=$OLDIFS

```

HomePlus

```

#!/bin/sh

# /data/scm/homeplus-club-admin/homeplus-club-admin-web
echo
echo '##### START DEPLOY #####'

```

```

echo

echo '##### Set Env #####'
##### JAVA #####
export JAVA_HOME=/app/java/java8
export PATH=$PATH:$JAVA_HOME/bin/
export CLASSPATH=$CLASSPATH:$JAVA_HOME/lib/tools.jar
export Finalbackupfiles=5
export DeleteDate=3
PATH=$PATH:$HOME/bin
export PATH
echo " > JAVA_HOME=" $JAVA_HOME
echo " > Final Backup File count=" $Finalbackupfiles
echo " > DeleteDate=" $DeleteDate "day before"
echo
echo '1. Backup & Stop'
export NOW=`date +%Y%m%d`
export OLDDAY=$((NOW - $DeleteDate))
export NOWTIME=`date +%H%M`
echo ' > Today = ' $NOW$NOWTIME

cd /data/tmpsadm
find /data/tmpsadm -xdev | grep -v 'nas' > /data/tmpsadm/achiving.list
tar -cf /data/homeplus/backup/homeplus-club-admin/homeplus-club-admin-web/$NOW$NOWT
echo ' > Backup file : ' /data/homeplus/backup/homeplus-club-admin/homeplus-club-ad
echo '2. Delete ' $DeleteDate ' day ago = ' $OLDDAY ', but must remain ' $Finalback
Totalbackupfiles=`find /data/homeplus/backup/homeplus-club-admin/homeplus-club-admin
echo ' > Total backupfiles(all files) = ' $Totalbackupfiles
echo ' > Final backup files count = ' $Finalbackupfiles
Targetdeletebackupfiles=`expr $Totalbackupfiles - $Finalbackupfiles`
echo ' > Total backup files - Final backup files =' $Targetdeletebackupfiles
BackupAllFiles=(`find /data/homeplus/backup/homeplus-club-admin/homeplus-club-admin
cnt=1
echo ' > ' $DeleteDate ' day before delete target file list'
for i in "${BackupAllFiles[@]}"
do
    if [ $Targetdeletebackupfiles -ge $cnt ]
    then
        echo " " $i " , " $cnt " DELETED !"
    else
        echo " " $i " , " $cnt " SKIPPED !"
    fi
    let cnt=cnt+1
done

echo '3. Delete Web ROOT'
cd /data/tmpsadm
ls /data/tmpsadm | grep -v nas | grep -v export | grep -v somethingspecial | xargs .
echo ' > Check Web ROOT = /data/tmpsadm'
echo ' > list ' `ls /data/tmpsadm`

echo '4. Copy tar to /data/tmpsadm'
echo ' > cp OOT-jar.tar.gz to /data/tmpsadm'
cp /data/scm/homeplus-club-admin/homeplus-club-admin-web/target/ROOT-jar.tar.gz /da

echo '5. Decompress TAR.GZ'
echo ' > tar -zxvf /data/tmpsadm/ROOT-jar.tar.gz'
cd /data/tmpsadm
tar -zxvf /data/tmpsadm/ROOT-jar.tar.gz -C /data/tmpsadm/ --strip-components=1

echo '6. Clear '
echo ' > Delete ROOT-jar.tar.gz and achiving.list in Web ROOT'
cd /data/tmpsadm
rm -rf /data/tmpsadm/ROOT-jar.tar.gz
rm -rf /data/tmpsadm/achiving.list
echo

```

```
echo '##### FINISH DEPLOY #####'  
echo 'Bye'
```

[CategoryHomepage](#)

Linux Core 수 확인

grep -c processor /proc/cpuinfo 코어 수 확인

Linux Memory 확인

cat /proc/meminfo | grep [MemTotal](#) 메모리 확인

Tomcat instance 운용 shell

```
#!/bin/bash  
  
#####  
  
##### TOMCAT #####  
INSTID=$2  
ARGV=$3  
INSTNAME=$1  
JAVA_HOME=${JAVA_HOME}  
CATALINA_HOME=/app/tomcat8/tomcat-engine  
CATALINA_BASE=/app/tomcat8/instance/$INSTNAME  
TOMCAT_USER=alan  
TPATH=/app/tomcat8/tomcat-engine/bin/bootstrap.jar  
TLOG=$CATALINA_BASE/logs  
#LOGNAME=catalina.out  
  
##### JAVA #####  
### jvm option  
JAVA_OPTS="$JAVA_OPTS -Dinstance_name=$INSTID"  
JAVA_OPTS="$JAVA_OPTS -Dserver.type=prd"  
JAVA_OPTS="$JAVA_OPTS -Dconnection.type=jndi"  
JAVA_OPTS="$JAVA_OPTS -server"  
JAVA_OPTS="$JAVA_OPTS -Dcomponent.name=$INSTNAME"  
JAVA_OPTS="$JAVA_OPTS -Dlogs.dir=$TLOG"
```

```

#JAVA_OPTS="$JAVA_OPTS -Dfile.encoding=UTF-8"
JAVA_OPTS="$JAVA_OPTS -Dfile.encoding=EUC-KR -Dfile.client.encoding=EUC-KR -Dclient
JAVA_OPTS="$JAVA_OPTS -Dinstance.no=$INSTNAME"
JAVA_OPTS="$JAVA_OPTS -Djava.security.egd=file:/dev/urandom"

### performance option
JAVA_OPTS="$JAVA_OPTS -Xmx4096m -Xms4096m"
#JAVA_OPTS="$JAVA_OPTS -XX:PermSize=256m -XX:MaxPermSize=512m"
#JAVA_OPTS="$JAVA_OPTS -XX:NewRatio=3 -XX:SurvivorRatio=2"

### behavior option
JAVA_OPTS="$JAVA_OPTS -XX:+UseConcMarkSweepGC -XX:+UseParNewGC"

### debugging option
JAVA_OPTS="$JAVA_OPTS -verbose:gc -XX:+PrintGC -XX:+PrintGCDetails -XX:+PrintGCTime
JAVA_OPTS="$JAVA_OPTS -XX:+TraceClassUnloading -XX:+TraceClassLoading"
JAVA_OPTS="$JAVA_OPTS -Xloggc:$TLOG/gc.log_$(date +%Y%m%d-%H%M%S) "
JAVA_OPTS="$JAVA_OPTS -XX:+HeapDumpOnOutOfMemoryError"
JAVA_OPTS="$JAVA_OPTS -XX:HeapDumpPath=$TLOG/java_pid_$(date +%Y%m%d-%H%M%S).hprof"

### external CLASSPATH ###
### APM properties
#JAVA_OPTS="$JAVA_OPTS -agentpath:/app/dynatrace/dynatrace-7.1/agent/lib64/libdtage.
#JAVA_OPTS="$JAVA_OPTS -javaagent:/app/scouter/agent.java/scouter.agent.jar"
#JAVA_OPTS="$JAVA_OPTS -Dscouter.config=/app/scouter/agent.java/conf/scouter_${INSTN.

### RKM OPTION
#CLASSPATH="$CLASSPATH:/app/rkm/src/RKM_APP"
#CLASSPATH="$CLASSPATH:/app/rkm/src/RKM_APP/lib/commons-codec-1.10.jar"
#CLASSPATH="$CLASSPATH:/app/rkm/src/RKM_APP/lib/commons-lang-2.4.jar"
#CLASSPATH="$CLASSPATH:/app/rkm/src/RKM_APP/lib/commons-logging-1.1.jar"

export JAVA_HOME JAVA_OPTS CATALINA_HOME CATALINA_BASE CLASSPATH
export CATALINA_OPTS=${JMX_OPTS}
#####

case $ARGV in

start)
    runinst=$(ps -ef | grep java | grep -v grep | grep $INSTID | awk {'print $2 $16'})

    UNAME=`id -u -n`
    if [ e$UNAME != "e$TOMCAT_USER" ]
    then
        echo "[ Use by only user Account [ $TOMCAT_USER ] Start Fail Tomcat I.
        exit;
    fi

    if [ -z "$runinst" ]; then
        echo " Starting Tomcat Instance [ $1 ] "
        echo $runinst
        mv $TLOG/catalina.$(date +%Y-%m-%d).out $TLOG/catalina.$(date +%Y-%m-%d_%H%M%
        $CATALINA_HOME/bin/catalina.sh $3
    else
        echo " Already Running Tomcat Instance [ $1 ][ $INSTID ] !!! "
        ERROR=$?
    fi
    ;;

stop)
    $CATALINA_HOME/bin/catalina.sh $3
    ;;

status)
    instcount=$(ps -ef | grep java | grep -v grep | grep $TPATH | wc -l)

```

```

    echo " instance Running Count = "$instcount
    ps -ef | grep java | grep -v grep | grep $TPATH | awk '{printf(" Tomcat Instance
echo -e $inststatus
    ;;

kill)
    ps -ef | grep $TPATH | grep -v grep | grep $INSTID | awk '{ printf(" Tomcat Ins
2); }'    ps -ef | grep $TPATH | grep -v grep | grep $INSTID | awk '{ printf("kill
    sh tmp.$$
    rm -f tmp.$$
    ;;

thread)
    threadPID=$(ps -ef | grep $TPATH | grep -v grep | grep $INSTID | awk {'print $3
    threadCount=$(ps uH $threadPID | wc -l )
    echo " Tomcat Instance ID "$INSTID" [ PID : "$threadPID" / Sub THREAD : "$threa
    ;;

log)
    tail -100f $TLOG/$INSTNAME/catalina.out
    ;;

*)
    echo "Invalid parameter [$ARGV]"
    echo "Usage) luncher.sh [instance name] [instance id] [ start|status|stop|kill|
    echo "ex) luncher.sh inst1 inst11 start"
    echo "=====
    echo " Tomcat Instance List "
    echo "=====
    INSTLISTNUM=$(ls $CATALINA_BASE | wc -l )
    echo " Instance Count[ $INSTLISTNUM ] : " $(ls $CATALINA_BASE)
    echo "=====

    ;;

esac

exit $ERROR

```

Backup Shell

- 02 *** /home/hyunsu/BackUpCenter/backUpPicture.sh >> /home/hyunsu/BackUpCenter/backupPictures.log

```

#!/bin/sh

BackUpFiles=5
OrgDirectory=/home/hyunsu/Pictures
BackUpDirectory=/data/ext/WD4TB/backup/Pictures

FilesFound=$(find /home/hyunsu/Pictures/ -mtime -$BackUpFiles )

checkFileExist()
{
    filename=`echo $1 | cut -d'/' -f5-`
    echo ">> " $BackUpDirectory/$filename
    if [ -f $BackUpDirectory/$filename ]; then
        echo "EXIST"
    fi
}

```

```

        echo
    else
        echo "NOT EXIST --> Copy " $1 " --> " $BackUpDirectory/$filename
        cp $1 $BackUpDirectory/$filename
    fi
}

checkDirectoryExist()
{
    filename=`echo $1 | cut -d'/' -f5-`
    echo ">> " $BackUpDirectory/$filename
    if [ -d $BackUpDirectory/$filename ]; then
        echo "EXIST"
        echo
    else
        echo "NOT EXIST --> Makedirectory " $BackUpDirectory/$filename
        mkdir $BackUpDirectory/$filename
    fi
}

for file in $FilesFound
do
    #echo "${counter}: ${file}"
    if [ -f "${file}" ]; then
        echo "${file} file."
        checkFileExist ${file}
    fi
    if [ -d "${file}" ]; then
        echo "${file} directory."
        checkDirectoryExist ${file}
    fi
done

```

Crontab에 걸어서 실행 여부를 체크하고 실행하지 않았으면 실행 - ELK 적용 사례

- */20 * * * * /app/checkELK.sh > /app/checkELK.log

```

#!/bin/sh

echo "\n\n"
echo "#####"
echo "##### CHECK ELK  START ! #####"
echo "#####"

cd /app/elasticsearch-7.4.1/
elasticsearchcheck=`ps -ef | grep elasticsearch | awk '{print ($2)}' | wc -l`
if [ $elasticsearchcheck -gt 1 ]
then
    echo "Already Elasticsearch started !"
else
    echo "Start ElasticSearch !"
    /app/elasticsearch-7.4.1/startup.sh
fi

cd /app/kibana-7.4.1-linux-x86_64/
kibanacheck=`ps -ef | grep kibana | awk '{print ($2)}' | wc -l`
if [ $kibanacheck -gt 1 ]

```

```
then
  echo "Already Kibana started !"
else
  echo "Start Kibana !"
  /app/kibana-7.4.1-linux-x86_64/startup.sh
fi

cd /app/logstash-7.4.1/
logstashcheck=`ps -ef | grep logstash | awk '{print ($2)}' | wc -l`
if [ $logstashcheck -gt 1 ]
then
  echo "Already Logstash started !"
else
  echo "Start Logstash !"
  /app/logstash-7.4.1/startup.sh
fi

cd /app/
echo "#####"
echo "##### CHECK ELK END ! #####"
echo "#####"
echo "\n\n"
```

Port Check

port check

```
#!/bin/bash

CHECKREMOTESERVERSLIST=checkServerPortList.txt
TIMEOUT=2

OLDIFS=$CHECKREMOTESERVERSLIST
IFS=,

while read -a line;
do
    r=$(timeout 2 bash -c 'exec 3<> /dev/tcp/${line[0]}/${line[1]};echo $?' 2>/dev/null)
    #l_TELNET=`echo "quit" | telnet ${line[0]} ${line[1]} | grep "Escape character" && echo`
    if [ "$r" = "0" ]
    then
        echo "Success !"
    else
        if [ "$r" = "1" ]
        then
            echo "Checked"
        else
            echo "Failed"
        fi
    fi
done <$CHECKREMOTESERVERSLIST
IFS=$OLDIFS
```

Crontab

VirtualBox 관리를 위한 스크립트

```
0 1 1,10,14,20,30 * * /home/hyunsu/BackUpCenter/20221014-snapshot/001-snapshotAllVM.sh  
> /home/hyunsu/BackUpCenter/snapshot.log  
0 0 5,25 * * /home/hyunsu/BackUpCenter/20221014-exportVM/001-exportAllVm.sh > /home/  
hyunsu/BackUpCenter/export.log  
*/30 * * * * /home/hyunsu/dynamicDNS.sh > /home/hyunsu/dynamicDNS.log
```

VI

vi, vim ^M 제거

```
:%s/^M//g
```

위에서 ^M는 ^+M 이 아니고 **Ctrl + v + m** 이다.

주기적 폴더 복제

폴더 복제

중요한 사진 백업

```
02 *** /home/hyunsu/BackUpCenter/backUpPicture.sh /data/ext/WD4TB/Pictures4T /data/ext/2TB/backup > /home/hyunsu/BackUpCenter/backupPictures.log
```

"/data/ext/WD4TB/Pictures4T" 폴더의 모든 파일을 "/data/ext/2TB/backup/Pictures4T"에 일단위로 복제함

```
#!/bin/sh

export _SDATE=$(date +"%Y-%m-%d %H")
OrgDirectory=$1
BackUpDirectory=$2
DirectoryFound=$(find $OrgDirectory -type d )
countfiles=0

MakeList()
{
    echo "Make List !"
    find $OrgDirectory -type f > $BackUpDirectory/pictureList.list
}

checkFileExist()
{
    Orgfilename="$1"
    filename=`echo "$1" | cut -d '/' -f5-`
    #echo ">> " $BackUpDirectory/$filename
    if [ -f "$BackUpDirectory/$filename" ]; then
        printf "."
    else
        echo -e "\nNOT EXIST --> Copy " $Orgfilename " --> " $BackUpDirectory
"/" $filename
        cp "$Orgfilename" "$BackUpDirectory/$filename"
    fi
}

checkDirectoryExist()
{
    dirname=`dirname "$1"`
    if [ -d "$BackUpDirectory/$dirname" ]; then
        printf "-"
    else
        echo -e "\nNOT EXIST --> Makedirectory " $BackUpDirectory/$dirname
```

```

        mkdir -p "$BackUpDirectory/$dirname"
    fi
}

#echo -e "\n\n#####"
echo "START "$_SDATE
if [ $# -ne 2 ];then
    echo "ERROR 1.target folder, 2. backup folder!"
    echo " ex : /home/hyunsu/BackUpCenter/backupPicture.sh /data/ext/WD4TB/
Pictures /data/ext/2TB/backup/Pictures"
    exit 1
fi

# 목록 파일을 만든다.
MakeList

LINE_NO=$(cat $BackUpDirectory/pictureList.list | wc -l) # 몇 줄 라인인지 읽음
echo Total source file count : $LINE_NO line
while read line
do
    dirname=`echo $line | cut -d '/' -f5-`
    checkDirectoryExist "${dirname}"
    checkFileExist "${line}"
    countfiles=$((countfiles+1))
done < $BackUpDirectory/pictureList.list

echo -e "\n Total check file count : " $countfiles " line"

_SDATE=$(date +"%Y-%m-%d %H")
echo -e "\nFINISH "$_SDATE
echo "#####"
exit 0

```

NAS에서 : 특정 폴더 Tar로 묶어 원격지에 복사

특정 폴더 Tar로 묶어 원격지에 복사

```
#!/bin/sh

export FinalBackupCnt=5
export FinalBackupDueDay=60
export BaseBackupTarget=$1
export BackupTarget=$2
export NOW=`date +%Y%m%d%H%M`
export FinalBackupDay=`date +%Y%m%d%H%M --date="$FinalBackupDueDay days ago"`
export DestinationBackupFolder=$3

# Make Backup file
MakeBackUp()
{
    echo -n "\n ### Start Archiving folder ###"
    echo "Backup date is " $NOW
    echo "Base backup folder is " $BackupTarget
    echo "tar cfP $DestinationBackupFolder/$NOW-$BackupTarget.tar $BaseBackupTarget/
$BackupTarget"
    tar cfP $DestinationBackupFolder/$NOW-$BackupTarget.tar $BaseBackupTarget/
$BackupTarget
}

# Copy to Remote Backup Server
CopyRemoteServer()
{
    echo -n "\n ### Start Copy Remote Server ###"
    echo "Target Server 192.168.0.10 "
    echo "scp $DestinationBackupFolder/$NOW-$BackupTarget.tar hyunsu@192.168.0.10:/data/
ext/4TB/backup/NAS"
    scp $DestinationBackupFolder/$NOW-$BackupTarget.tar hyunsu@192.168.0.10:/data/ext/
4TB/backup/NAS
}

# Delete Backup File
```

```

ClearBackupFile()
{
    echo -n "\n ### Delete Back file ###"
    echo "Delete backup file = $DestinationBackupFolder/$NOW-$BackupTarget.tar "
    echo "rm -rf $DestinationBackupFolder/$NOW-$BackupTarget.tar"
    rm -rf $DestinationBackupFolder/$NOW-$BackupTarget.tar
}

if [ $# -ne 3 ];then
    echo "ERROR 1.target backup folder, 2.target folder, 2. base folder
parameters !"
    echo " ex : /data/shared/remoteBackup.sh /data/shared/common bookstack /data/
backup "
    exit 1
fi
echo "\n\n"
echo "==== Backup START ! =====\n"
echo ">> Backup Base Folder : $BaseBackupTarget"
echo ">> Backup Target Folder : $BackupTarget"
echo ">> Backup Destination : $DestinationBackupFolder"
echo ">> DATE : $NOW"

MakeBackUp
CopyRemoteServer
ClearBackupFile

echo -n "\n ===== Backup FINISHED ! =====\n\n"

```

Departures --> Destination

Departures 에서 인증서를 만들어 Destination에 복사

```

ssh-keygen -t rsa
ssh-copy-id -i ~/.ssh/id_rsa.pub hyunsu@192.168.0.10

```

NAS에서 : 매일 변경 파일을 Tar 로 원격지에 적재 / 일자를 정한 날짜를 원격지 적재

매일 변경된 내용을 Tar 원격지에 적재

meta 시스템의 파일을 공유

```
#!/bin/sh

export FinalBackupCnt=5
export FinalBackupDueDay=60
export BaseBackupTarget=$1
export BackupTargetYear=`date +%Y --date="1 days ago"`
export BackupTargetMonth=`date +%m --date="1 days ago"`
export BackupTargetDay=`date +%d --date="1 days ago"`
export NOW=`date +%Y%m%d%H%M`
export DestinationBackupFolder=$2
export DestinationRemoteBackupFolder=$3

# Make Backup file
MakeBackUp()
{
    echo -n "\n ### Start Archiving folder ###"
    echo "Backup date is " $NOW
    echo "Base backup folder is " $BaseBackupTarget/$BackupTargetYear/
$BackupTargetMonth/$BackupTargetDay
    echo "tar cfP $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar $BaseBackupTarget/$BackupTargetYear/$BackupTargetMonth/
$BackupTargetDay"
    tar cfP $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar $BaseBackupTarget/$BackupTargetYear/$BackupTargetMonth/
$BackupTargetDay
}

# Copy to Remote Backup Server
CopyRemoteServer()
{
    echo -n "\n ### Start Copy Remote Server ###"
```

```

echo "Target Server 192.168.0.10 "
echo "scp $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar hyunsu@192.168.0.10:/data/ext/4TB/backup/NAS"
  scp $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar hyunsu@192.168.0.10:$DestinationRemoteBackupFolder
}

# Delete Backup File
ClearBackupFile()
{
  echo -n "\n ### Delete Back file ###"
  echo "Delete backup file = $DestinationBackupFolder/meta-$BackupTargetYear-
$BackupTargetMonth-$BackupTargetDay.tar "
  rm -rf $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar
}

if [ $# -ne 3 ];then
  echo "ERROR 1.target backup folder, 2. base folder parameters 3. remote backup
folder!"
  echo " ex : /data/shared/remoteBackupDaily.sh /data/shared/meta /home/hyunsu /
data/ext/4TB/backup/NAS/meta"
  exit 1
fi
echo -n "\n\n"
echo "==== Backup START ! =====\n"
echo ">> Backup Base Folder : $BaseBackupTarget"
echo ">> Backup Target Folder : $BaseBackupTarget/$BackupTargetYear/
$BackupTargetMonth/$BackupTargetDay"
echo ">> Backup Destination : $DestinationBackupFolder"
echo ">> Backup Remote Destination : $DestinationRemoteBackupFolder"
echo ">> DATE : $NOW"
  if [ -d $BaseBackupTarget/$BackupTargetYear/$BackupTargetMonth/$BackupTargetDay ];
then
  echo "EXIST"
  MakeBackUp
  CopyRemoteServer
  ClearBackupFile
else
  echo "NOT EXIST --> " $BaseBackupTarget/$BackupTargetYear/$BackupTargetMonth/
$BackupTargetDay
fi

echo -n "\n ===== Backup FINISHED ! =====\n\n"

```

메뉴얼하게 일자를 정할 때

```

#!/bin/sh

export FinalBackupCnt=5
export FinalBackupDueDay=60
export BaseBackupTarget=$1
export BackupTargetYear=$4
export BackupTargetMonth=$5
export BackupTargetDay=$6
export NOW=`date +%Y%m%d%H%M`
export DestinationBackupFolder=$2
export DestinationRemoteBackupFolder=$3

# Make Backup file
MakeBackUp()
{
    echo -n "\n ### Start Archiving folder ###"
    echo "Backup date is " $NOW
    echo "Base backup folder is " $BaseBackupTarget/$BackupTargetYear/
$BackupTargetMonth/$BackupTargetDay
    echo "tar cfP $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar $BaseBackupTarget/$BackupTargetYear/$BackupTargetMonth/
$BackupTargetDay"
    tar cfP $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar $BaseBackupTarget/$BackupTargetYear/$BackupTargetMonth/
$BackupTargetDay
}

# Copy to Remote Backup Server
CopyRemoteServer()
{
    echo -n "\n ### Start Copy Remote Server ###"
    echo "Target Server 192.168.0.10 "
    echo "scp $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar hyunsu@192.168.0.10:/data/ext/4TB/backup/NAS"
    scp $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar hyunsu@192.168.0.10:$DestinationRemoteBackupFolder
}

# Delete Backup File
ClearBackupFile()
{
    echo -n "\n ### Delete Back file ###"
    echo "Delete backup file = $DestinationBackupFolder/meta-$BackupTargetYear-
$BackupTargetMonth-$BackupTargetDay.tar "
    rm -rf $DestinationBackupFolder/meta-$BackupTargetYear-$BackupTargetMonth-
$BackupTargetDay.tar
}

```

```

if [ $# -ne 6 ];then
    echo "ERROR 1.target backup folder, 2. base folder parameters 3. remote backup
folder!"
    echo " ex : /data/shared/remoteBackupDaily.sh /data/shared/meta /home/hyunsu /
data/ext/4TB/backup/NAS/meta 2024 9 3"
    echo " ex : /data/shared/remoteBackupDaily.sh /data/shared/backup/meta /home/
hyunsu /data/ext/4TB/backup/NAS/backup/meta 2024 9 3"
    exit 1
fi
echo -n "\n\n"
echo "==== Backup START ! =====\n"
echo ">> Backup Base Folder : $BaseBackupTarget"
echo ">> Backup Target Folder : $BaseBackupTarget/$BackupTargetYear/
$BackupTargetMonth/$BackupTargetDay"
echo ">> Backup Destination : $DestinationBackupFolder"
echo ">> Backup Remote Destination : $DestinationRemoteBackupFolder"
echo ">> DATE : $NOW"
    if [ -d $BaseBackupTarget/$BackupTargetYear/$BackupTargetMonth/$BackupTargetDay ];
then
    echo "EXIST"
    MakeBackUp
    CopyRemoteServer
    ClearBackupFile
else
    echo "NOT EXIST --> " $BaseBackupTarget/$BackupTargetYear/$BackupTargetMonth/
$BackupTargetDay
fi
echo -n "\n ===== Backup FINISHED ! =====\n\n"

```

HOST에서 : 적재된 파일을 주기적으로 삭제

적재된 파일을 주기적으로 삭제

```
0 6 * * * /data/ext/4TB/backup/NAS/delBackupFile.sh /data/ext/4TB/backup/NAS common
0 7 * * * /data/ext/4TB/backup/NAS/delBackupFile.sh /data/ext/4TB/backup/NAS devops
0 11 * * * /data/ext/4TB/backup/NAS/delBackupFile.sh /data/ext/4TB/backup/NAS
showcase1
0 12 * * * /data/ext/4TB/backup/NAS/delBackupFile.sh /data/ext/4TB/backup/NAS scm
```

delBackupFile.sh

```
#!/bin/bash

export FinalBackupCnt=120
export FinalBackupDueDay=120
export BackupTarget=$2
export BackupFolder=$1
export NOW=`date +%Y%m%d%H%m`
export FinalBackupDay=`date +%Y%m%d%H%m --date="$FinalBackupDueDay days ago"`

# Backup Delete
DeleteBackupTar()
{

echo "## Old $BackupTarget.tar backup file delete ! ##"
TotalBackupCnt=`find $BackupFolder -name "$BackupTarget.tar" | wc -l`
echo ' >> Total backup files count = ' $TotalBackupCnt
echo ' >> Final backup files remain count = ' $FinalBackupCnt
TargetDeleteBackupCnt=`expr $TotalBackupCnt - $FinalBackupCnt`
if [ $TargetDeleteBackupCnt -lt 0 ]; then
    TargetDeleteBackupCnt=0
fi
echo ' > Total backup files count - Final backup files count ='
$TargetDeleteBackupCnt
cd $BackupFolder
BackupAllFiles=$(find ./ -name "$BackupTarget.tar" | awk -F "/" '{print $2}' | sort
-n)

cnt=1
```

```

echo ' > ' $FinalBackupDueDay ' day before delete target snapshot list'
for i in $BackupAllFiles
do
  backupFileDate=`echo $i | awk -F "-" '{print $1}'`
  echo $cnt " : " $i , $backupFileDate , $FinalBackupDay
  if [ $backupFileDate -le $FinalBackupDay ]
  then
    echo "      DELETE!"
    if [ $TargetDeleteBackupCnt -ge $cnt ]
    then
      echo "      DELETED! " $BackupFolder/$i
      echo 'rm $BackupFolder/$i'
    else
      echo "      DELETE SKIP!"
    fi
  else
    echo "      NOTyet Delete date "
  fi
  cnt=$((expr $cnt + 1))
done
}

if [ $# -ne 2 ];then
  echo "ERROR 1. backup base folder, 2. delete target tar name !"
  echo " ex : /data/ext/4TB/backup/NAS/delBackupFile.sh /data/ext/4TB/backup/NAS
devops "
  exit 1
fi
echo -e "\n\n===== Delete START ! ====="
echo ">> Backup Target : $BackupTarget"
echo ">> DATE : $NOW"
echo ">> Final Backup Due Day : $FinalBackupDueDay"
echo ">> Final Backup Day : $FinalBackupDay\n"

DeleteBackupTar

echo -e "\n\n===== $1 Delete Finished ! =====\n"

```

Kube Master에서 생성 yamli을 원격에 백업

10 08 * * * /home/hyunsu/remoteBackup.sh /home/hyunsu scm /home/hyunsu

remoteBackup.sh

```
#!/bin/bash

export FinalBackupCnt=5
export FinalBackupDueDay=60
export BaseBackupTarget=$1
export BackupTarget=$2
export NOW=`date +%Y%m%d%H%M`
export FinalBackupDay=`date +%Y%m%d%H%M --date="$FinalBackupDueDay days ago"`
export DestinationBackupFolder=$3

# Make Backup file
MakeBackUp()
{
    echo -e "\n ### Start Archiving folder ###"
    echo "Backup date is " $NOW
    echo "Base backup folder is " $BackupTarget
    echo "tar cfP $DestinationBackupFolder/$NOW-$BackupTarget.tar $BaseBackupTarget/
$BackupTarget "
    tar cfP $DestinationBackupFolder/$NOW-$BackupTarget.tar $BaseBackupTarget/
$BackupTarget

}

# Copy to Remote Backup Server
CopyRemoteServer()
{
    echo -e "\n ### Start Copy Remote Server ###"
    echo "Target Server 192.168.0.10 "
    echo "scp $DestinationBackupFolder/$NOW-$BackupTarget.tar hyunsu@192.168.0.10:/data/
ext/4TB/backup/NAS"
    scp $DestinationBackupFolder/$NOW-$BackupTarget.tar hyunsu@192.168.0.10:/data/ext/
4TB/backup/NAS

}
```

```
# Delete Backup File
ClearBackupFile()
{
    echo -e "\n ### Delete Back file ###"
    echo "Delete backup file = $DestinationBackupFolder/$NOW-$BackupTarget.tar "
    echo "rm -rf $DestinationBackupFolder/$NOW-$BackupTarget.tar"
    rm -rf $DestinationBackupFolder/$NOW-$BackupTarget.tar
}

if [ $# -ne 3 ];then
    echo "ERROR 1.target backup folder, 2.target folder, 2. base folder
parameters !"
    echo " ex : /data/shared/remoteBackup.sh /data/shared/common bookstack /data/
backup "
    exit 1
fi
echo -e "\n"
echo "===== Backup START ! =====\n"
echo ">> Backup Base Folder : $BaseBackupTarget"
echo ">> Backup Target Folder : $BackupTarget"
echo ">> Backup Destination : $DestinationBackupFolder"
echo ">> DATE : $NOW"

MakeBackUp
CopyRemoteServer
ClearBackupFile

echo -e "\n ===== Backup FINISHED ! =====\n\n"
```