**BACKUP SCRIPT**

#!/bin/bash

# Perform RMAN backup

# Expected usage: f\_perform\_backup DB LEVEL

# DB: Database SID to pass to RMAN

# LEVEL: full/inc - full is full incremental, inc is differential incremental

f\_perform\_backup() {

export LEVEL="$1"

echo "Performing backup on $ORACLE\_SID."

echo "Performing $LEVEL backup."

# Run RMAN

$ORACLE\_HOME/bin/rman <<RMAN

connect target /

run {

crosscheck archivelog all;

crosscheck backup;

delete noprompt expired backup;

delete noprompt obsolete;

allocate channel d1 device type disk format '+BACKUP/bawdb/bkp\_%d\_%T\_%U';

backup

incremental level = $LEVEL

database include current controlfile format '+BACKUP/bawdb/ctrl\_%d\_%T\_%U';

backup archivelog all format '+BACKUP/bawdb/arc\_%d\_%T\_%U';

delete noprompt archivelog all completed before 'sysdate -1';

}

exit;

RMAN

echo "backup completed on $ORACLE\_SID, at: $(date)"

}

# Main

# Expected usage: ./backup\_db DBNAME BACKUP\_TYPE

# DBNAME: SID of Oracle database

# BACKUP\_TYPE: Incremental backup, or full backup

f\_main() {

echo "ORACLE\_HOME set to: $ORACLE\_HOME"

if [ -z "$ORACLE\_HOME" ]; then

echo "\$ORACLE\_HOME isn't set. Exiting."

exit 133

fi

# which database?

if [ -z "$1" ]; then

echo "\$ORACLE\_SID not provided. Exiting."

exit 133

else

export ORACLE\_SID=$1

fi

# incremental or full?

if [ -z "$2" ]; then

echo "No backup method specified. Exiting."

exit 133

else

if [ "$2" == "inc" ]; then

f\_perform\_backup "1"

elif [ "$2" == "full" ]; then

f\_perform\_backup "0"

else

echo "Invalid backup method specified. Exiting."

fi

fi

}

# Source environment

source $HOME/.bash\_profile

# Colors

RESTORE='\033[0m'

PURPLE='\033[00;35m'

# Call main, pass parameters

echo "Running script on: $(date)."

f\_main "$1" "$2"

* In crontab setup :-

#######--LIBERTYDB BACKUPS--###$######

10 3 \* \* \* /tmp/scripts/backupliberty.sh LIBERTYD1 inc > /tmp/inc\_backup.log

0 3 \* \* \* /tmp/scripts/backupliberty.sh LIBERTYD1 full > /tmp/full\_backup.log