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Shell script for AWR Report generation

[September 26, 2021](https://iamdbablog.wordpress.com/2021/09/26/shell-script-for-awr-report-generation/)[iamdbablog](https://iamdbablog.wordpress.com/author/iamdbablog/)

Hello DBAs, I’m here with a shell script which will surely help you in generating a AWR reports in an automated fashion.  
This script can also help the testers and developers of your team become independent and not bother you with AWR report requests.  
This script should be run from a centralized server which has access to all the databases in your support inventory.  
Although this script can be customized as per your need and server setup.

Lets get started with script:

#!/bin/bash

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

## Description: LS: Generates the AWR report

## Author: DBA

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

######################Variables####################

dbname=${1}

reportname=${2}

numdays=${3}

start\_time=${4}

end\_time=${5}

email=${6}

absreportname=$DIR"/"$reportname

report\_type="html"

DIR=`pwd`"/AWR\_REPORTS"

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

if [ -z $1 ]

then

echo "\n Please run the command in this way - sh generateAWR.sh <DBNAME> <REPORT\_NAME.html> <NUMDAYS> <START DATE> <END DATE> <EMAIL ID>"

echo "\nExample - sh generateAWR.sh testdb test.html 2 '25/09/2021 00:00' '25/09/2021 00:30' test@domain.com"

else

if [ -d "$DIR" ]; then

echo "'$DIR' is already present"

else

echo "Warning: '$DIR' NOT found. Creating the directory"

mkdir $DIR

fi

echo "Follwing details are entered: "$dbname $reportname $numdays $start $end $email

connection=`cat /home/test/.pwdfile`

export ORACLE\_SID=$dbanme

snapid=`sqlplus -silent ${connection}@${dbname} <<EOF

set pagesize 0 feedback off verify off heading off echo off

select distinct SNAP\_ID from dba\_hist\_snapshot where TO\_CHAR(BEGIN\_INTERVAL\_TIME,'DD/MM/YYYY HH24:MI')=$'{start\_time}' or TO\_CHAR(END\_INTERVAL\_TIME,'DD/MM/YYYY HH24:MI')=$'{end\_time}';

exit;

EOF`

stringarray=($snapid)

start\_snap=${stringarray[1]}

end\_snap=${stringarray[0]}

sqlplus -s ${conection}@${dbname} << EOF

set echo off

set feedback off

@?/rdbms/admin/awrrpt.sql

$report\_type

$numdays

$start\_snap

$end\_snap

$absreportname

EOF

echo "Report generated at "$DIR

fi

echo "Please find the AWR report attached for "$dbanme | mailx -a $absreportname -s "AWR REPORT" $email

exit

To invoke the script just fire it this way  
sh generateAWR.sh testdb test.html 2 ’25/09/2021 00:00′ ’25/09/2021 00:30′ test@domain.com