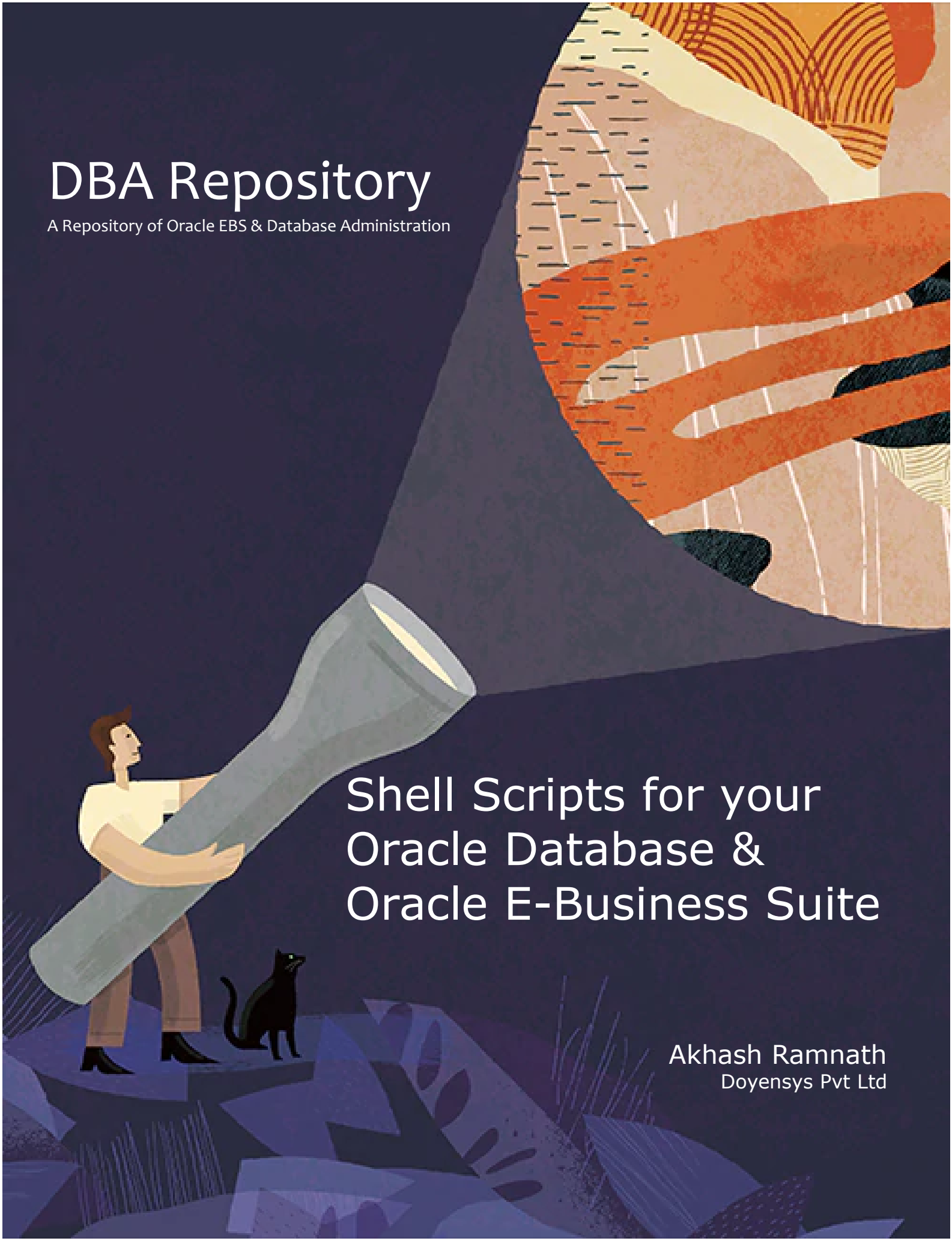
DBA Repository

A Repository of Oracle EBS & Database Administration



Shell Scripts for your Oracle Database & Oracle E-Business Suite

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Overview

Shell scripts converts a DBA's manual effort into a proactive automated operation. Shell Scripts are very important for an Oracle EBS & Database environment. In this document i have Incorporated some important shell scripts to perform an efficient reactive monitoring to your Oracle EBS and Database Systems.

- These scripts work in a unique way with a common env file that has all the necessary information for the scripts to work. This helps us to manage operation of Shell Scripts from a centralized env file.

- These Shell Scripts sends alerts to the respective team only when there is an issue and maintains a log for reference.

- Having a centralized env file for Shell Scripts will help us reduce the effort in making any modifications in the future without disturbing all scripts.

- The following scripts will be shared as part of this document,

Database Scripts	**EBS Scripts**
Database Instance Availability	Application Services Availability
Database Listener Availability	Concurrent Manager Availability
Tablespace Alert	Long Running Concurrent Requests
Check for errors in Database Alert log	Workflow Notification Status
Blocking Session Alert	Kill Forms Runaway Processes
Database Full Backup	Important Concurrent Requests Status
Database Incremental Backup	Cost Manager Status
Archivelog Backup	Application Backup
Purge Archivelog	Pending standby count Monitor
DB All Monitor Script	All Apps/EBS Monitor Script

Create and Maintain a common env file for your shell script

In order to easily maintain and manage the Shell Scripts performing the following will help us a lot in many aspects,

A. Create & Maintain a common env file for the shell script and include all important variables required for the scripts in the common env file
B. Decrypt the passwords called/used in the Shell Scripts and maintain it in a hidden file
C. Maintain a log of every important tasks for reference,forecasting, etc.

Pre req,

- In your DB/Application server first create a directory MONITOR.
- Under MONITOR Directory create sub directories ENV, SCRIPTS, LOG
- The ENV directory is to store the envfile, hidden file.
- SCRIPTS directory is to store the actula shell scripts.
- LOG directory will have all the logfiles of the scripts.
- Inside LOG, create another directory MAIL_MESSAGE.
- The directory MAIL_MESSAGE will store the mail content that will be mailed to the user.

For the sake of this document lets assume our locations as follows,

Scripts Location for DB Server - home/oracle/MONITOR
Scripts Location for EBS Server - home/applmgr/MONITOR

Refer to the following for a common env file,

```
## Common env file sourcing for Shell Scripts
. $ORACLE_HOME_LOCATION/Database_environmentfile.env
. /home/oracle/MONITOR/ENV/.secpass
LOGS_HOME=/home/oracle/MONITOR/LOG; export LOGS_HOME
SCRIPTS_HOME=$SCRIPTS_HOME; export SCRIPTS_HOME
MAILLOG_HOME=$LOGS_HOME/MAIL_MESSAGE; export MAILLOG_HOME
maillist=dbagroup@mail.com,ebsgroup@mail.com
```

- In the first line source the database environment file
- Second line sources a hidden file that has all the encrypted passwords in a variable, which is later called in the Shell scripts.
- LOGS_HOME is the location of all the respective logs generated by the Shell Scripts
- SCRIPTS_HOME is the actual location where all the respective Shell Scripts are placed.
- MAILLOG_HOME is a location for the mail content
- Maillist is the variable used to specify the mail id's. (Use this variable if the mail id's are common for all Shell Scripts, if the mail id's are different for each scripts, then I would advise you to use this variable in the actual scripts)
- Some of the scripts will require a separate directory to be created, please review the Logfile locations of each scripts before implementing.

Hidden password file - /home/oracle/MONITOR/ENV/.secpass

Using the user credentials(Username/Password) in the Shell Scripts are very common.
Saving the Username & Password in a common hidden file and calling them in the script is a simple method. It allows the Administrator to make sure that the password is unknown/hidden in all the Shell Scripts and if there is a change in the credentials in the future we don't have to modify the credentials in each and every script, just changing it in the common hidden file will be enough.

We could also encrypt/decrypt the passwords so that the password is unknown to the persons who are not DBA's. Here i have Incorporated a simple built in OS Utility openssl to encrypt/decrypt the passwords.

Use the following commands to encrypt and decrypt the passwords.

For example,

```
$ echo test|openssl enc -aes-128-cbc -a -salt -pass pass:asdffdsa
U2FsdGVkX18eXjViNN+HczNVqMHCfNqvHd+rneeejuo=
$
$ echo U2FsdGVkX18eXjViNN+HczNVqMHCfNqvHd+rneeejuo=|openssl enc -aes-128-cbc -a -d -salt -pass pass:asdffdsa
test
```

I am using the following file to store the passwords,

```
$ cat /home/oracle/MONITOR/ENV/.secpass
APPSPWD=U2FsdGVkX18eXjViNN+HczNVqMHCfNqvHd+rneeejuo=; export APPSPWD
SYSPWD=U2FsdGVkX18eXjViNN+HczNVqMHCfNqvHd+rneeejuo=; export SYSPWD
SYSTPWD=U2FsdGVkX18eXjViNN+HczNVqMHCfNqvHd+rneeejuo=; export SYSTPWD
```

I have encrypted the APPS, SYS, SYSTEM user password using openssl and have saved the values in a variable. I will call the respective variable in the Shell Scripts wherever possible.Prepare a file with respective password for your environment and place them in all the db and application servers.

All our scripts will depend on the common file and the common env file has the typical variables/values a shell scripts would require. Our scripts will send alerts only if there is an issue, and the will come to us in clear HTML format with the help of a css script(markup.sql) that is called in the Shell Scripts.

All the logs will be present in the LOG_HOME. Place this markup.sql file in the $SCRIPTS_HOME and call it where ever required.
Now that we have created the Common env file and the file to store the password, we shall go ahead and write Shell Scripts to Monitor our EBS and Database system.

Database Instance Availability

Script to check if the database instance is up and running.

```
#Script to check db status
. /home/oracle/MONITOR/ENV/scr_envcall_db

dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
status_log=$LOGS_HOME/dbstatus_hist.log; export status_log
status_log1=$LOGS_HOME/dbstatus1.log; export status_log1
mail_message=$MAILLOG_HOME/db_status_message.log; export mail_message

sqlplus -s "/as sysdba" <<EOF > $status_log1
select name, open_mode from v\$database;
quit
EOF

if cat $status_log1|grep -i 'READ WRITE' > /dev/null && ps -ef|grep -i "$ORACLE_SID"|grep -i pmon|grep -v grep > /dev/null
then
echo "Database $ORACLE_SID is Up and Running Fine - $dateis" >> $status_log
else
echo "Database $ORACLE_SID might be Down or Unavailable - $dateis" >> $status_log
echo -e "Team,\n\nDatabase $ORACLE_SID might be Down on `hostname`, please cheack ASAP!!!\n" > $mail_message
cat $status_log1 >> $mail_message
echo -e "Refer log files $status_log and $status_log1\n" >> $mail_message
echo -e "Thanks,\nDBA Team" >> $mail_message
mailx -s "CRITICAL:Alarm:$ORACLE_SID Database is Down - $dateis" $maillist < $mail_message
fi
```

This is a simple script to check the availability of the Database Instance. The database availability log is stored in dbstatus_hist.log file. Alert will be sent to the users in the distribution list only if the database is not available.

Database Listener Availability

Script to check if the database listener is up and running.

```
#Script to check the listener services
. /home/oracle/MONITOR/ENV/scr_envcall_db

dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
lsnr_statuslog=$LOGS_HOME/lsnr_statuslog_hist.log; export lsnr_statuslog
lsnr_statuslog2=$LOGS_HOME/lsnr_statuslog2.log; export lsnr_statuslog2
mail_message=$MAILLOG_HOME/lsnr_status_message.log; export mail_message

lsnrctl status $ORACLE_SID > $lsnr_statuslog2
echo "\n" >> $lsnr_statuslog2
tnsping $ORACLE_SID >> $lsnr_statuslog2

if cat $lsnr_statuslog2|grep -i "The command completed successfully" > /dev/null && tnsping $ORACLE_SID > /dev/null
then
{
echo "$ORACLE_SID listener is Up and Running - $dateis" >> $lsnr_statuslog
}
else
{
echo "$ORACLE_SID listener is Down - $dateis" >> $lsnr_statuslog
echo -e "Team,\n\n$ORACLE_SID Listener $ORACLE_SID might be Down on `hostname`, please cheack ASAP!!!\n" > $mail_message
cat $lsnr_statuslog2 >> $mail_message
echo -e "\nRefer to script logfiles $lsnr_statuslog and $lsnr_statuslog2." >> $mail_message
echo -e "Thanks,\nDBA Team" >> $mail_message
mailx -s "CRITICAL:Alarm:$ORACLE_SID listener is Down - $dateis" $maillist < $mail_message
}
fi
```

This is a simple script to check the availability of the Database Listener. The database availability log is stored in lsnr_statuslog_hist.log file. Alert will be sent to the users in the distribution list only if the listener is not available.

Tablespace Alert

Scripts to check used/free space of the tablespace.

```
#Script to check tablespace size
. /home/oracle/MONITOR/ENV/scr_envcall_db

dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
tbsrpt_rep=$LOGS_HOME/tbschkrpt.html; export tbsrpt_rep
sqlplus -silent -S -M "HTML ON TABLE 'BORDER="2"'" "/as sysdba" << EOF > $tbsrpt_rep
@$SCRIPTS_HOME/markup.sql
set feedback on;
prompt <i>Team,</i><br>
prompt <i>Tablespaces running out of space in $ORACLE_SID on `hostname`,</i><br>
select    total.ts "Tablespace Name",
            total.mb "Total Size in MB",
            NVL(total.mb - free.mb,total.mb) "Used Size in MB",
            NVL(free.mb,0) "Free Size in MB",
            DECODE(total.mb,NULL,0,NVL(ROUND((total.mb - free.mb)/(total.mb)*100,2),100)) "Pct Used"
from
            (select tablespace_name ts, sum(bytes)/1024/1024 mb from dba_data_files group by tablespace_name)
total,
            (select tablespace_name ts, sum(bytes)/1024/1024 mb from dba_free_space group by
tablespace_name) free
where total.ts=free.ts(+)
AND DECODE(total.mb,NULL,0,NVL(ROUND((total.mb - free.mb)/(total.mb)*100,2),100)) > 95
UNION ALL
select    sh.tablespace_name,
            SUM(sh.bytes_used+sh.bytes_free)/1024/1024 "total_mb",
            SUM(sh.bytes_used)/1024/1024 "used_mb",
            SUM(sh.bytes_free)/1024/1024 "free_mb",
            ROUND(SUM(sh.bytes_used)/SUM(sh.bytes_used+sh.bytes_free)*100,2) "pct_used"
FROM v\$temp_space_header sh
having ROUND(SUM(sh.bytes_used)/SUM(sh.bytes_used+sh.bytes_free)*100,2) >95
GROUP BY tablespace_name
order by 5 desc;
prompt <i>Please do the needful.</i><br>
prompt <i>Thanks,</i>
prompt <i>DBA Team</i>
set markup html off;
quit;
EOF

cnt=`cat $tbsrpt_rep|grep -i "no rows selected"|wc -l`; export cnt

if [ $cnt -eq    0 ]
then
cat $tbsrpt_rep|grep -v "selected."|mutt -e 'set content_type=text/html' -s 'Critical - Tablespaces with less space
in '$ORACLE_SID' on '$dateis'' $maillist
fi
```

The script will check for tablespace's used space and if the used space has crossed 95% the users in the distribution list will get alerts.

Check for errors in Database Alert log

Script checks for error in the database alert log

```
#Script to check for errors in alert log
. /home/oracle/MONITOR/ENV/scr_envcall_db

dateis=`date +"%a""  ""%d"/"%b"/"%Y""  ""%H":"%M":"%S"`; export dateis
alert_log=/alert_log_location/alert_logfile_name.log; export alert_log
temp_alert_log=$LOGS_HOME/temp_alert_$ORACLE_SID.log
error_log_hist=$LOGS_HOME/error_log_"$ORACLE_SID"_hist.log
error_log=$LOGS_HOME/error_log_$ORACLE_SID.log
mail_message=$MAILLOG_HOME/alert_check_message.log; export mail_message

diff $alert_log $temp_alert_log |grep -i "ora-"|sed 's/</|/' > $error_log

ec=`cat $error_log|wc -l`; export error_log
if [ $ec -gt 0 ]
then
echo -e "Team,\n\nPlease find the errors in the Alertlog of $ORACLE_SID on `hostname` as follows,\n" > $mail_message
cat $error_log >> $mail_message
echo -e "\nThanks,\nDBA Team" >> $mail_message
cat $mail_message|mailx -s "Errors in Alert log - $ORACLE_SID on $dateis" $maillist
echo "----------" >> $error_log_hist
echo "New errors found in the Alert log of $ORACLE_SID - $dateis" >> $error_log_hist
cat $error_log >> $error_log_hist
echo "----------" >> $error_log_hist
else
echo "No new errors in the Alert log of $ORACLE_SID - $dateis" >> $error_log_hist
fi
cp $alert_log $temp_alert_log
```

This script will check for any new ORA- errors in the database alert log file and send an alert to the users in the distribution list.Please source the alert log of the database in alert_log variable.

Blocking Session Alert

Script to check for blocking session in a database.

```
# Script to check for blocking session
. /home/oracle/MONITOR/ENV/scr_envcall_db

dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
blocking_sess_det=$LOGS_HOME/blocking_sess_det.html; export blocking_sess_det

sqlplus -silent -S -M "HTML ON TABLE 'BORDER="2"'" "/as sysdba" << EOF > $blocking_sess_det
@$SCRIPTS_HOME/markup.sql
set feedback on;
prompt <i>Team,</i><br>
prompt <i>There are blocking sessions in $ORACLE_SID on `hostname`,pls check ASAP!!!</i><br>
@$SCRIPTS_HOME/block.sql
prompt <i>Thanks,</i>
prompt <i>DBA Team</i>
set markup html off;
quit;
EOF

cnt=`cat $blocking_sess_det|grep -i "no rows selected"|wc -l`; export cnt

if [ $cnt -eq    0 ]
then
#cat $blocking_sess_det|grep -v "selected."|mailx -s "$(echo -e "Blocking session in $ORACLE_SID - $dateis\nContent-Type: text/html")" $maillist
cat $blocking_sess_det|grep -v "selected."|mutt -e 'set content_type=text/html' -s 'Blocking session in '$ORACLE_SID' - '$dateis'' $maillist
fi
```

This script will check for blocking session in the database, kindly place the block.sql file under $SCRIPTS_HOME directory.

block.sql

Script sends out an alert to the users in distribution list if there are any blocking sessions.

Database Full Backup

Please create a directory RMAN under $LOGS_HOME and under RMAN directory create two directories DB and ARC for db and archive log backup logfiles respectively.

```
#Script to take backup of Database (Full backup) db
. /home/oracle/MONITOR/ENV/scr_envcall_db

dateis=`date +"%a""  ""%d"/"%b"/"%Y""  ""%H":"%M":"%S"`; export dateis
rman_dbfull_log=$LOGS_HOME/RMAN/DB/dbfull_bkp_`date +%d%b%y_%H%M`.log;export rman_dbfull_log
rman_dbfull_log_hist=$LOGS_HOME/RMAN/DB/rman_dbfull_log_hist.log; export rman_dbfull_log_hist
mail_message=$MAILLOG_HOME/dbfull_bkp_message.log; export mail_message

rman target / cmdfile=$SCRIPTS_HOME/backup_db.rman > $rman_dbfull_log
#rman_err=`cat $rman_dbfull_log|grep -i 'rman-\|ora-'`; export rman_err
rman_err_cnt=`cat $rman_dbfull_log|grep -i 'rman-\|ora-'|wc -l`; export rman_err_cnt

if [ $rman_err_cnt -gt 0 ]
then
echo "RMAN DB Full backup has failed/have errors at $dateis in $ORACLE_SID" >> $rman_dbfull_log_hist
echo -e "Team,\n\nDB Full backup has completed with errors or have failed in $ORACLE_SID on `hostname`.\n" > $mail_message
echo -e "Please find the log as follows,\n" >> $mail_message
cat $rman_dbfull_log >> $mail_message
echo -e "\nRefer to script logfiles $rman_dbfull_log and $rman_dbfull_log_hist.\n" >> $mail_message
echo -e "Thanks,\nDBA Team" >> $mail_message
mailx -s "$ORACLE_SID DB Full Backup has failed - $dateis!!! " $maillist < $mail_message
else
echo "RMAN DB Full backup has completed successfully at $dateis in $ORACLE_SID" >> $rman_dbfull_log_hist
fi
```


backup_db.rman

Place this file under $SCRIPTS_HOME, the script will take a full backup of the database and check if the backup has got completed successfully. If there are any errors in the backup, an alert will be sent by the script to the users.
The script also maintains a log of the backup status every time it is executed in the $LOGS_HOME directory.

Database Incremental Backup

```
#Script to take backup of Database (Incremental backup) db
. /home/oracle/MONITOR/ENV/scr_envcall_db

dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
rman_dbincr_log=$LOGS_HOME/RMAN/DB/dbincr_bkp_`date +%d%b%y_%H%M`.log;export rman_dbincr_log
rman_dbincr_log_hist=$LOGS_HOME/RMAN/DB/rman_dbincr_log_hist.log; export rman_dbincr_log_hist
mail_message=$MAILLOG_HOME/dbincr_bkp_message.log; export mail_message

rman target / cmdfile=$SCRIPTS_HOME/backup_db_incr.rman > $rman_dbincr_log
#rman_err=`cat $rman_dbincr_log|grep -i 'rman-\|ora-'`; export rman_err
rman_err_cnt=`cat $rman_dbincr_log|grep -i 'rman-\|ora-'|wc -l`; export rman_err_cnt

if [ $rman_err_cnt -gt 0 ]
then
echo "RMAN DB Incremental backup has failed/have errors at $dateis in $ORACLE_SID" >> $rman_dbincr_log_hist
echo -e "Team,\n\nDB Incremental backup has completed with errors or have failed in $ORACLE_SID on `hostname`.\n" > $mail_message
echo -e "Please find the log as follows,\n" >> $mail_message
cat $rman_dbincr_log >> $mail_message
echo -e "\nRefer to script logfiles $rman_dbincr_log and $rman_dbincr_log_hist.\n" >> $mail_message
echo -e "Thanks,\nDBA Team" >> $mail_message
mailx -s "$ORACLE_SID DB Incremental Backup has failed - $dateis!!! " $maillist < $mail_message
else
echo "RMAN DB Incremental backup has completed successIncrementaly at $dateis in $ORACLE_SID" >> $rman_dbincr_log_hist
fi
```

backup_db_incr.rman

Place this file under $SCRIPTS_HOME, the script will take an Incremental backup of the database and check if the backup has got completed successfully. If there are any errors in the backup, an alert will be sent by the script to the users.

The script also maintains a log of the backup status every time it is executed in the $LOGS_HOME directory.

Archivelog Backup

```
#Script to take backup of Archive logs db
. /home/oracle/MONITOR/ENV/scr_envcall_db

dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
rman_arc_log=$LOGS_HOME/RMAN/ARC/archive_bkp_`date +%d%b%y_%H%M`.log;export rman_arc_log
rman_arc_log_hist=$LOGS_HOME/RMAN/ARC/rman_arc_log_hist.log; export rman_arc_log_hist
mail_message=$MAILLOG_HOME/arc_bkp_message.log; export mail_message

rman target / cmdfile=$SCRIPTS_HOME/backup_arch.rman > $rman_arc_log
#rman_err=`cat $rman_arc_log|grep -i 'rman-\|ora-'`; export rman_err
rman_err_cnt=`cat $rman_arc_log|grep -i 'rman-\|ora-'|wc -l`; export rman_err_cnt

if [ $rman_err_cnt -gt 0 ]
then
echo "RMAN Archivelogs backup has failed/have errors at $dateis in $ORACLE_SID" >> $rman_arc_log_hist
echo -e "Team,\n\nArchivelog backup has completed with errors or have failed in $ORACLE_SID on `hostname`.\n" > $mail_message
echo -e "Please find the log as follows,\n" >> $mail_message
cat $rman_arc_log >> $mail_message
echo -e "\nRefer to script logfiles $rman_arc_log and $rman_arc_log_hist.\n" >> $mail_message
echo -e "Thanks,\nDBA Team" >> $mail_message
mailx -s "$ORACLE_SID Archivelog Backup has failed - $dateis!!! " $maillist < $mail_message
else
echo "RMAN Archivelogs backup completed successfully at $dateis in $ORACLE_SID" >> $rman_arc_log_hist
fi
```

backup_arch.rman

Place this file under $SCRIPTS_HOME, the script will take a backup of the Archivelogs of the database and check if the backup has got completed successfully. If there are any errors in the backup, an alert will be sent by the script to the users.

The script also maintains a log of the backup status every time it is executed in the $LOGS_HOME directory.

Purge Archivelog

```
#Script to purge Archive logs db
. /home/oracle/MONITOR/ENV/scr_envcall_db

dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
rman_del_log1=$LOGS_HOME/archive_purge.log;export rman_del_log1
rman_del_log2=$LOGS_HOME/archive_purge1.log;export rman_del_log2
rman_crosschk_log=$LOGS_HOME/rman_cross_check.log;export rman_crosschk_log
mail_message=$MAILLOG_HOME/arc_purge_message.log; export mail_message

rman target / << EOF > $rman_crosschk_log
crosscheck archivelog all;
delete noprompt expired archivelog all;
EOF

rman target / << EOF > $rman_del_log2
delete noprompt archivelog until time 'sysdate-2';
EOF

rman target / << EOF >> $rman_crosschk_log
crosscheck archivelog all;
EOF


echo "###################### Script ran at $dateis ###################### " >>$rman_del_log1
cat $rman_del_log2>>$rman_del_log1

echo -e "Team,\n\nArchivelog's are purged in $ORACLE_SID on `hostname`.\n" > $mail_message
echo -e "Please find the log as follows,\n" >> $mail_message
cat $rman_del_log2 >> $mail_message
echo -e "\nRefer to script logfiles $rman_del_log1 and $rman_del_log2." >> $mail_message
echo -e "Thanks,\nDBA Team" >> $mail_message
mailx -s "$ORACLE_SID Archivelog purge status - $dateis" $maillist < $mail_message
```

This Script will delete archive logs older than 2 days and also check for expired archive logs and remove them if any.

DB All Monitor Script

This is a bonus script that does a basic sanity check to your database and sends a report to the users. Please create a directory "dbaallmonitor" under $LOGS_HOME.

```
#Script to perform basic Sanity check
. /home/oracle/MONITOR/ENV/scr_envcall_db

monitor_log=$LOGS_HOME/dballmonitor/dballmonitor_"$ORACLE_SID"_`date +%d%b%y_%H%M`.html;
export monitor_log
dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
mountpnt_log=$LOGS_HOME/mountpnt_log.log; export mountpnt_log
mail_message=$MAILLOG_HOME/dballmonitormail.log; export mail_message

echo -e "<caption><b center><font size="2" font face="verdana" color="blue"><center>Complete Health Check report for $ORACLE_SID Database on $dateis</center></font></b></caption>\n" > $monitor_log
echo "<br>" >> $monitor_log

sqlplus -silent -S -M "HTML ON TABLE 'BORDER="2"'" "/as sysdba" << EOF >> $monitor_log
@$SCRIPTS_HOME/markup.sql
set feedback off;
alter session set nls_numeric_characters='.'" nls_date_format='Day DD. Month, YYYY';
prompt <i>Here is the complete Database health check report per &_DATE</i><br>
@$SCRIPTS_HOME/db_det.sql
set markup html off;
quit;
EOF

#echo "<br>" >> $monitor_log
tnsping $ORACLE_SID 1>/dev/null
if [ $? = 0 ]; then
echo "<td><b><font size="2" face="verdana" color="green">Listener is up and running FOR $ORACLE_SID</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
else
echo "<td><b><font size="2" face="verdana" color="red">Listener is not running for $ORACLE_SID !!!!</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
fi
echo "<br>" >> $monitor_log

sqlplus -silent -S -M "HTML ON TABLE 'BORDER="2"'" "/as sysdba" << EOF >> $monitor_log
set feedback off;
@$SCRIPTS_HOME/markup.sql
@$SCRIPTS_HOME/db_det2.sql
set markup html off;
quit;
EOF
```

```
echo "<br>" >> $monitor_log
echo -e "<caption><b center><font size="2" font face="verdana">Mount Point Information</font></b></caption>\n" >> $monitor_log
echo "<br>" >> $monitor_log
df -Ph /prddata* /prdarch /orahome > $mountpnt_log
cnt=`cat $mountpnt_log|wc -l`; export cnt
#echo $cnt
i=1
while (( i <= $cnt ))
do
val=`awk NR==$i $mountpnt_log`; export val
echo "<td><b><font size="2" face="verdana">$val</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
(( i+=1 ))
done

## mail information
cat $monitor_log|mutt -e 'set content_type=text/html' -s "Complete Health Check report for $ORACLE_SID Database on $dateis" $maillist
```

db_det.sql

db_det2.sql

Place the above files under $SCRIPTS_HOME. This scripts does a basic sanity check to the database and sends us a report on the availability of the DB instance, listener, DB Size, Tablespace Usage report, Invalid Object list, Mount Point space usage.

Application Services Availability

```
#Script to check Application services availability
. /home/applmgr/MONITOR/ENV/scr_envcall_apps

appsserviceapp_monlog=$LOGS_HOME/appsserviceapp_monlog.log; export appsserviceapp_monlog
app_monlog1=$LOGS_HOME/appsmonitor1.log; export app_monlog1
app_monlog2=$LOGS_HOME/appsmonitor2.log; export app_monlog2
temp_app_monlog=$LOGS_HOME/temp_app_monlog.log; export temp_app_monlog
dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
mail_log=$MAILLOG_HOME/mailappsservices_log.log; export mail_log
web_prt=`cat $CONTEXT_FILE |grep -i s_webport|cut -d '>' -f 2|cut -d '<' -f1`; export web_prt

sh $ADMIN_SCRIPTS_HOME/adopmnctl.sh status > $app_monlog1

cat $app_monlog1|grep Alive|awk '{print $3 " is " $7}' > $temp_app_monlog

oacore_cnt=`cat $temp_app_monlog|grep -i oacore|grep -i alive|wc -l`; export oacore_cnt
forms_cnt=`cat $temp_app_monlog|grep -i forms|grep -i alive|wc -l`; export forms_cnt

if cat $temp_app_monlog|grep -i "HTTP_"|grep -i alive > /dev/null
then
{
echo "Apache services are Up" > $app_monlog2
}
else
{
echo "Apache services are Down !!!!" > $app_monlog2
}
fi

if cat $temp_app_monlog|grep -i "oacore"|grep -i alive > /dev/null    && [ "$oacore_cnt" -eq '4' ]
then
{
echo "Oacore Services are Up" >> $app_monlog2
}
else
{
echo "Oacore Services are Down !!!!" >> $app_monlog2
}
fi

if cat $temp_app_monlog|grep -i "forms"|grep -i alive > /dev/null    && [ "$forms_cnt" -eq '2' ]
then
{
echo "Forms Services are Up" >> $app_monlog2
}
else
{
echo "Forms Services are Down !!!!" >> $app_monlog2
}
fi
```

```
if cat $temp_app_monlog|grep -i "oafm"|grep -i alive > /dev/null
then
{
echo "Oafm is Up" >> $app_monlog2
}
else
{
echo "Oafm is Down !!!!" >> $app_monlog2
}
fi

if tnsping $TWO_TASK > /dev/null
then
{
echo "TNSPING from Application to Database is Up" >> $app_monlog2
}
else
{
echo "TNSPING from Application to Database is Down" >> $app_monlog2
}
fi

if netstat -a -n -o|grep -i $web_prt > /dev/null
then
{
echo "Webport $web_prt is Up" >> $app_monlog2
}
else
{
echo "Webport $web_prt is Down!!!" >> $app_monlog2
}
fi

if cat $app_monlog2|grep -i down > /dev/null
then
{
echo -e "Team,\n\nApplication services of $TWO_TASK might be Down on `hostname`, please cheack
ASAP!!!\n" > $mail_log
cat $app_monlog2 >>$mail_log
echo -e "\nRefer to script logfiles $app_monlog1 and $app_monlog2." >> $mail_log
echo -e "\nThanks,\nDBA Team" >> $mail_log
cat $mail_log|mailx -s "Application services of $TWO_TASK might be down!!! - $dateis" $maillist
}
fi

echo "Application & Network Status of $TWO_TASK as on $dateis" >> $appsserviceapp_monlog
cat $app_monlog2 >> $appsserviceapp_monlog
echo "##########################################" >> $appsserviceapp_monlog
```

This script checks the availability of EBS services like http, oacore, oafm, forms etc and sends to an alert to the distribution list if any services are down/not reachable. If you have more than one forms, oacore services modify the count in the if condition for the respective service.

Concurrent Manager Availability

```
# Script to check Concurrent Managers Status
. /home/applmgr/MONITOR/ENV/scr_envcall_apps

dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
mail_log=$MAILLOG_HOME/mailconcservice_log.log; export mail_log
conc_monlog=$LOGS_HOME/concmonitor.log; export conc_monlog
conc_monlog1=$LOGS_HOME/concmonitor1.log; export conc_monlog1
watw=`echo $APPSPWD|openssl enc -aes-128-cbc -a -d -salt -pass pass:asdffdsa`; export watw

sh $ADMIN_SCRIPTS_HOME/adcmctl.sh status apps/"$watw" > $conc_monlog1
conc_sermon=`ps -ef |grep -i applmgr|grep -i FNDLIBR |grep -v grep |wc -l`; export conc_sermon

if cat $conc_monlog1|grep -i "Internal Concurrent Manager is Active" > /dev/null && [ "$conc_sermon" -gt '40' ]
then
{
echo "Concurrents Managers are up and running fine - $dateis" >> $conc_monlog
echo "FNDLIBR count is - $conc_sermon - $dateis" >> $conc_monlog
}
else
{
echo "Concurrents Managers might be Down - $dateis" >> $conc_monlog
echo "FNDLIBR count is - $conc_sermon - $dateis" >> $conc_monlog
echo -e "Team,\n\nConcurrent Manager services of $TWO_TASK might be Down on `hostname`, please cheack
ASAP!!!\n" > $mail_log
cat $conc_monlog1 >>$mail_log
echo "FNDLIBR count is - $conc_sermon" >>$mail_log
echo -e "\nRefer to script logfiles $conc_monlog1 and $conc_monlog" >> $mail_log
echo -e "\nThanks,\nDBA Team" >> $mail_log
cat $mail_log|mailx -s "Critical: Alarm - Concurrent Manager services of $TWO_TASK might be Down!!! - $dateis"
$maillist
}
fi
```

Script to check the concurrent manager status, script will send out an alert to the users if the concurrent managers are down/unavailable.Also we shall set a threshold for number of concurrent managers running in a node, the script will alert the users if there is any reduction in the no of concurrent managers running.

Long Running Concurrent Requests

```
# Script to Check Long Running Concurrent Requests
. /home/applmgr/MONITOR/ENV/scr_envcall_apps
longrun_rep=$LOGS_HOME/longrun_rep.log;export longrun_rep
longrun_out=$LOGS_HOME/longrun_rep.html;export longrun_out
watw=`echo $APPSPWD|openssl enc -aes-128-cbc -a -d -salt -pass pass:asdffdsa`; export watw
dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis

sqlplus -silent -S -M "HTML ON TABLE 'BORDER="2"'" "apps/$watw" << EOF > $longrun_out
@$SCRIPTS_HOME/markup.sql
set pages 300;
prompt <i>Team,</i><br>
prompt <i>Please find the long running Concurrent Programs in $TWO_TASK as follows,</i><br>
SELECT    fcp.user_concurrent_program_name "Concurrent Program Name"
          ,fcr.request_id "Request Id"
          ,ROUND (((SYSDATE - fcr.actual_start_date) * 60 * 24), 2) "Runtime in Mins"
          ,TO_CHAR (fcr.actual_start_date, 'DD-MON-YYYY HH24:MI:SS') "Actual Start Date"
          ,DECODE (fcr.status_code, 'R', fcr.status_code) "Status"
          ,fcr.argument_text "Parameters"
         FROM apps.fnd_concurrent_requests fcr
          ,apps.fnd_user fu
          ,apps.fnd_responsibility_tl fr
          ,apps.fnd_concurrent_programs_tl fcp
    WHERE fcr.status_code LIKE 'R'
      AND fu.user_id = fcr.requested_by
      AND fr.responsibility_id = fcr.responsibility_id
      AND fcr.concurrent_program_id = fcp.concurrent_program_id
      AND fcr.program_application_id = fcp.application_id
      AND ROUND (((SYSDATE - fcr.actual_start_date) * 60 * 24), 2) > 120
ORDER BY 3 desc;
prompt <i>Thanks,</i><br>
prompt <i>DBA Team</i><br>
set markup html off;
quit;
EOF

ct=`cat $longrun_out|grep -i "no rows selected"|wc -l`; export ct

if [ $ct -eq 0 ]
then
cat $longrun_out|grep -v "selected."| mutt -e 'set content_type=text/html' -s "Long running Concurrent request in $TWO_TASK on $dateis" $maillist
fi
```

Script to check for long running concurrent request, threshold is set to 120 mins.
The script will sent out alerts with the details of the concurrent request.

Workflow Notification Status

```
# Script to check Workflow Notification Mailer Status
. /home/applmgr/MONITOR/ENV/scr_envcall_apps

dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
mail_log=$MAILLOG_HOME/mailconcservice_log.log; export mail_log
wrkflw_status=$LOGS_HOME/wrkflw_status.log; export wrkflw_status
wrkflw_status1=$LOGS_HOME/wrkflw_status1.log; export wrkflw_status1
watw=`echo $APPSPWD|openssl enc -aes-128-cbc -a -d -salt -pass pass:asdffdsa`; export watw

sqlplus -s apps/$watw << EOF > $wrkflw_status
set feed off
set heading off
select component_status from apps.fnd_svc_components
where component_id = (select component_id from apps.fnd_svc_components where component_name =
'Workflow Notification Mailer');
quit
EOF

if cat $wrkflw_status|grep RUNNING > /dev/null
then
{
echo "Workflow Notification Mailer is up and running fine - $dateis" >> $wrkflw_status1
}
else
{
echo -e "Workflow Notification Mailer is Down - $dateis" >> $wrkflw_status1
echo -e "Team,\n\nWorkflow Notification Mailer services of $TWO_TASK might be Down on `hostname`, please
cheack ASAP!!!\n" > $mail_log
echo -e "\nRefer to script logfiles $wrkflw_status and $wrkflw_status1" >> $mail_log
echo -e "\nThanks,\nDBA Team" >> $mail_log
cat $mail_log|mailx -s "Critical:Alarm -Workflow Notification MAiler of $TWO_TASK might be down!!! - $dateis"
$maillist
}
fi
```

Script checks the status of the Workflow notification Mailer and sends out an alert to the users if the mailer services are down.

Kill Forms Runaway Processes

Forms runaway processes are frmweb processes that doesn't have a valid background db session, these are unwanted zombie processes that consumes the server resources.

```
#Script to Kill runaway Form processes
. /home/applmgr/MONITOR/ENV/scr_envcall_apps

proc_file=$LOGS_HOME/prc_id.log; export proc_file
op_log=$LOGS_HOME/sess_proc_id.log; export op_log
op_log2=$LOGS_HOME/frmswb_runawy_hist.log; export op_log2
op_log3=$LOGS_HOME/grep_proc_id.sh; export op_log3
op_log4=$LOGS_HOME/kill_proc_id.sh; export op_log4
tmp_log=$LOGS_HOME/temp_frm_sess.log; export tmp_log
watw=`echo $SYSTPWD|openssl enc -aes-128-cbc -a -d -salt -pass pass:asdffdsa`; export watw
dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis

proc_id_list=`ps -ef|grep -i frmweb|grep -v grep|awk '{print $2}' > $proc_file`; export proc_id_list

loop_list=`cat $proc_file`;export loop_list

for i in $loop_list
do
sqlplus -s system/$watw << EOF >> $op_log
set serveroutput on;
set feedback off;
declare
prcs_id varchar2(30) :='$i';
lv_n_process varchar2(30);
begin
select distinct process into lv_n_process from
v\$session
where process =prcs_id;
exception
when no_data_found then
dbms_output.put_line('No Database Sessions For Process: '||prcs_id);
end;
/
exit;
EOF
done

op_count=`cat $op_log|grep -i "No Database Sessions For Process:"|wc -l`;export op_count
proc_grep=`cat $op_log|grep -i "No Database Sessions For Process:"|awk '{print "ps -ef|grep -i " $6 "
|grep -i frmweb"}' > $op_log3`;export proc_grep
#echo $op_count
```

```
if [ $op_count = 0 ]
then
echo -e "#################################################################################
\n" >> $op_log2
echo -e "No Runaway Form Processes during last run at $dateis \n" >> $op_log2
echo -e "#################################################################################
\n" >> $op_log2
else
echo -e "#################################################################################
\n" >> $op_log2
echo -e "\tRunaway Form Processes during last run at $dateis as follows," >> $op_log2
cat $op_log >> $op_log2
echo -e "\n" >> $op_log2
echo -e "\t\tGrepping the Form Processes(These Runaway Processes are going to be killed!!!!)" >>
$op_log2
sh "$op_log3"|grep -v grep >> $op_log2
echo -e "\n" >> $op_log2
sh "$op_log3"|grep -v grep|awk '{print "kill -9 "$2}' > $op_log4
echo -e "\tRunaway Processes that are killed!!!!" >> $op_log2
cat $op_log4 >> $op_log2
sh "$op_log4" >> $op_log2
echo -e "\n" >> $op_log2
echo -e "#################################################################################
\n" >> $op_log2
fi
#cat $op_log > $tmp_log
>$op_log
```

The script takes a list of frmweb prcesses running in the node and checks if each and every one of them has a valid db session. If there are no valid db session for a frmweb process, it is automatically killed by the script.

The script also maintains a log of what processes are getting killed with proper timestamp.

Important Concurrent Requests Status

Every EBS environment has few business critical concurrent request that should complete normal without fail, in case if they fail it is our duty to inform it to the customer and diagnose why it failed and re submit it. The following scripts monitors such concurrent requests.

```
# Script to Check failed concurrent requests
. /home/applmgr/MONITOR/ENV/scr_envcall_apps

failed_conc_req=$LOGS_HOME/failed_conc_req.html;export failed_conc_req
watw=`echo $APPSPWD|openssl enc -aes-128-cbc -a -d -salt -pass pass:asdffdsa`; export watw
dateis=`date +"%a""  ""%d"/"%b"/"%Y""  ""%H":"%M":"%S"`; export dateis

sqlplus -silent -S -M "HTML ON TABLE 'BORDER="2"'" "apps/$watw" << EOF > $failed_conc_req
@$SCRIPTS_HOME/markup.sql
set feedback on;
prompt <i>Team,</i><br>
prompt <i>Following Scheduled Concurrent request's have failed $TWO_TASK - `hostname`,</i><br>
SELECT  c.USER_CONCURRENT_PROGRAM_NAME  ,To_Char(a.actual_start_date,'DD-MON-YY  HH24:MI:SS')
START_DATE,
To_Char(a.actual_completion_date,'DD-MON-YY HH24:MI:SS') END_DATE,
round(((a.actual_completion_date-a.actual_start_date)*24*60*60/60),2) AS Process_time,
a.request_id,a.parent_request_id,To_Char(a.request_date,'DD-MON-YY HH24:MI:SS') REQUEST_DATE,
DECODE(a.PHASE_CODE,'C', 'Completed','I', 'Inactive', 'P', 'Pending', 'R','Running')PHASE_CODE,
DECODE(a.STATUS_CODE,'D','Cancelled', 'E','Error', 'X','Terminated') STATUS_CODE
FROM apps.fnd_concurrent_requests a,
        apps.fnd_concurrent_programs b ,
        apps.FND_CONCURRENT_PROGRAMS_TL c,
        apps.fnd_user d
WHERE a.concurrent_program_id= b.concurrent_program_id AND
b.concurrent_program_id=c.concurrent_program_id AND
a.requested_by =d.user_id AND
trunc(a.actual_completion_date) > trunc(sysdate-1) AND
a.status_code IN ('E','X','D') AND
c.USER_CONCURRENT_PROGRAM_NAME IN
('Name Of Concurrent Request 1','Name Of Concurrent Request 2','Name Of Concurrent Request 3') order by
start_date desc;
prompt <i>Thanks,</i>
prompt <i>DBA Team</i>
set markup html off;
quit;
EOF

cnt=`cat $failed_conc_req|grep -i "no rows selected"|wc -l`; export cnt

if [ $cnt -eq  0 ]
then
cat  $failed_conc_req|grep  -v  "selected."|mutt  -e  'set  content_type=text/html'  -s  "Critical
Alert:'$TWO_TASK'-Scheduled Concurrent Request's failed to run" $maillist
fi
```

Script will sent alert to the users in the distribution list if the mentioned concurrent request did not complete successfully.

Cost Manager Status

```
#Script to check Cost Manager Concurrent Manager
. /home/applmgr/MONITOR/ENV/scr_envcall_apps

scr_log=$LOGS_HOME/cost_manager_status.log;export scr_log
scr_log2=$LOGS_HOME/costmanager.log;export scr_log2
watw=`echo $APPSPWD|openssl enc -aes-128-cbc -a -d -salt -pass pass:asdffdsa`; export watw
dateis=`date +"%a""  ""%d"/"%b"/"%Y""  ""%H":"%M":"%S"`; export dateis
mail_log=$MAILLOG_HOME/mailcostmanagerstatus.log; export mail_log

sqlplus -s apps/$watw << EOF > $scr_log2
set head off
set feed off
SELECT request_id RequestId,to_char(request_date,'DD-MM-YY:HH:MI:SS') RequestDt,
concurrent_program_name,phase_code Phase,status_code Status
FROM fnd_concurrent_requests fcr, fnd_concurrent_programs fcp
WHERE fcp.application_id = 702 AND
fcp.concurrent_program_name in ('CMCTCM', 'CMCMCW', 'CMCACW', 'CSTRCMCR', 'CSTRCMCR1',
'CSTRCMCR3') AND
fcr.concurrent_program_id = fcp.concurrent_program_id AND
fcr.program_application_id = 702 AND fcr.phase_code <> 'C';
EOF
cat $scr_log2 >> $scr_log
ct=`cat $scr_log2|wc -l`
if [ $ct -lt 1 ]
then
echo "Cost Manager Concurrent Mananer is down - $dateis" >> $scr_log
echo -e "Team,\n\nCost Manager Concurrent Mananer is down in $TWO_TASK on `hostname`, please
cheack ASAP!!!\n" > $mail_log
echo -e "\nRefer to script logfiles $scr_log and $scr_log2." >> $mail_log
echo -e "\nThanks,\nDBA Team" >> $mail_log
cat $mail_log|mailx -s "Cost Manager Concurrent Mananer is down in $TWO_TASK!!! - $dateis"
$maillist
fi
```

Script checks if the Cost Manager is up and running and sends out an alert to the users if the Cost Manager is down/unreachable.

Application Backup

```
#Script to take a backup of EBS File Systems
. /home/applmgr/MONITOR/ENV/scr_envcall_apps

monitor_log=$LOGS_HOME/appsallmonitor_"$TWO_TASK"_`date        +%d%b%y_%H%M`.html;
export monitor_log
app_bkp_loc=backup_location_mount_point; export app_bkp_loc
app_bkp_log=$LOGS_HOME/appmonitor1_`date +%d%b%y_%H%M`.log; export app_bkp_log
dateis=`date +"%a""     ""%d"/"%b"/"%Y""     ""%H":"%M":"%S"`; export dateis

tar -cf $app_bkp_loc/oracle_`date +%d%b%y_%H%M`.tar
/APPLICATION_FILE_SYSTEM_LOCATION > $app_bkp_log
```

Pending standby count Monitor

```
# Script to Check increase in Pending Standby count
. /home/applmgr/MONITOR/ENV/scr_envcall_apps

pdnstb_rep=$LOGS_HOME/pdnstb_cnt.log;export pdnstb_rep
mail_log=$MAILLOG_HOME/mailpdnstb.log; export mail_log
watw=`echo $APPSPWD|openssl enc -aes-128-cbc -a -d -salt -pass pass:asdffdsa`; export watw
dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis

sqlplus -s apps/$watw << EOF > $pdnstb_rep
set heading off;
set feedback off;
select count(*)
from APPLSYS.fnd_Concurrent_requests a,
APPLSYS.fnd_concurrent_programs_tl c2,
APPLSYS.fnd_concurrent_programs c,
applsys.fnd_lookup_values l1
where a.concurrent_program_id = c.concurrent_program_id
and a.program_application_id = c.application_id
and c2.concurrent_program_id = c.concurrent_program_id
and c2.language = 'US'
and c2.application_id = c.application_id
and a.actual_start_date is null
-- and a.status_code in ('A','H','I','M','P','Q','R')
and a.status_code in ('Q','I')
and a.phase_code in ('P','I')
and sysdate - a.requested_start_date < 2
and a.requested_start_date < sysdate
and l1.lookup_type = 'CP_STATUS_CODE'
and l1.lookup_code = a.status_code
and l1.language = 'US'
and l1.enabled_flag = 'Y'
and (l1.start_date_active <= sysdate and l1.start_date_active is not null)
and (l1.end_date_active > sysdate or l1.end_date_active is null)
order by 1;
quit;
EOF

ct=`cat $pdnstb_rep`; export ct
if [ $ct -gt 100 ]
then
echo -e "Team,\n\nConcurrent requests in Pending Standby has increased to $ct, please cheack ASAP!!! \n" > $mail_log
echo -e "\nThanks,\nDBA Team" >> $mail_log
cat $mail_log|mailx -s "Pending Standby count has increased in $TWO_TASK!!! - $dateis" $maillist
fi
```

Script checks the number of concurrent request in Pending-Standby status and sends out an alert if the no of conc request in Pending-Standby is abnormal.

All Apps/EBS Monitor Script

This script does a basic sanity check on your EBS environment, it checks the availability of the application services, submits an active user request and also checks the application directories.Create a directory "appshealthchk" under $LOGS_HOME.

```
#Script to perform basic Sanity check on Application
. /home/applmgr/MONITOR/ENV/scr_envcall_apps

monitor_log=$LOGS_HOME/appshealthchk/appsallmonitor_"$TWO_TASK"_`date +%d%b%y_%H%M`.html; export
monitor_log
app_monlog1=$LOGS_HOME/appshealthchk/appmonitor1.log; export app_monlog1
app_monlog2=$LOGS_HOME/appshealthchk/appmonitor2.log; export app_monlog2
req_id_log=$LOGS_HOME/appshealthchk/reqidlog.log; export req_id_log
mountpnt_log=$LOGS_HOME/appshealthchk/mountpnt_log.log; export mountpnt_log
watw=`echo $APPSPWD|openssl enc -aes-128-cbc -a -d -salt -pass pass:asdffdsa`; export watw
dateis=`date +"%a""    ""%d"/"%b"/"%Y""    ""%H":"%M":"%S"`; export dateis
mail_log=$MAILLOGS_HOME/appscompmail_log.log; export mail_log
web_prt=`cat $CONTEXT_FILE |grep -i s_webport|cut -d '>' -f 2|cut -d '<' -f1`; export web_prt

echo -e "<caption><b center><font size="2" font face="verdana" color="blue"><center>Complete Health Check
report for $TWO_TASK Applications on $dateis</center></font></b></caption>\n" >> $monitor_log
echo "<br>" >> $monitor_log
sqlplus -silent -S -M "HTML ON TABLE 'BORDER="2"'" "apps/$watw" << EOF >> $monitor_log
@$SCRIPTS_HOME/markup.sql
set feedback off;
alter session set nls_numeric_characters='.'" nls_date_format='Day DD. Month, YYYY';
prompt <i>Here is the complete Application health check report per &_DATE</i>
set markup html off;
quit;
EOF
echo "<br>" >> $monitor_log
echo -e "<caption><b center><font size="2" font face="verdana">Application Services
Status</font></b></caption>\n" >> $monitor_log
echo "<br>" >> $monitor_log

sh $ADMIN_SCRIPTS_HOME/adopmnctl.sh status > $app_monlog1
cat $app_monlog1|grep Alive|awk '{print $3 " is " $7}' > $app_monlog2
oacore_cnt=`cat $app_monlog2|grep -i oacore|grep -i alive|wc -l`; export oacore_cnt
forms_cnt=`cat $app_monlog2|grep -i forms|grep -i alive|wc -l`; export forms_cnt
if cat $app_monlog2|grep -i "HTTP_"|grep -i alive > /dev/null
then
{
echo "<td><b><font size="2" face="verdana" color="green">Apache services are Up</font></b></td>" >>
$monitor_log
echo "<br>" >> $monitor_log
}
else
{
echo "<td><b><font size="2" face="verdana" color="red">Apache services are Down !!!!</font></b></td>" >>
$monitor_log
echo "<br>" >> $monitor_log
}
fi
```

```
if cat $app_monlog2|grep -i "oacore"|grep -i alive > /dev/null    && [ "$oacore_cnt" -eq '4' ]
then
{
echo "<td><b><font size="2" face="verdana" color="green">Oacore Services are Up</font></b></td>" >>
$monitor_log
echo "<br>" >> $monitor_log
}
else
{
echo "<td><b><font size="2" face="verdana" color="red">Oacore Services are Down !!!!</font></b></td>" >>
$monitor_log
echo "<br>" >> $monitor_log
}
fi

if cat $app_monlog2|grep -i "forms"|grep -i alive > /dev/null    && [ "$forms_cnt" -eq '2' ]
then
{
echo "<td><b><font size="2" face="verdana" color="green">Forms Services are Up</font></b></td>" >>
$monitor_log
echo "<br>" >> $monitor_log
}
else
{
echo "<td><b><font size="2" face="verdana" color="red">Forms Services are Down !!!!</font></b></td>" >>
$monitor_log
echo "<br>" >> $monitor_log
}
fi

if cat $app_monlog2|grep -i "oafm"|grep -i alive > /dev/null
then
{
echo "<td><b><font size="2" face="verdana" color="green">Oafm is Up</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
}
else
{
echo "<td><b><font size="2" face="verdana" color="red">Oafm is Down !!!!</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
}
fi

echo "<br>" >> $monitor_log
echo -e "<caption><b center><font size="2" font face="verdana">Port Status</font></b></caption>\n" >>
$monitor_log
echo "<br>" >> $monitor_log
```

```
if tnsping $TWO_TASK > /dev/null
then
{
echo "<td><b><font size="2" face="verdana" color="green">TNSPING from Application to Database is Up</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
}
else
{
echo "<td><b><font size="2" face="verdana" color="red">TNSPING from Application to Database is Down</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
}
fi

if netstat -a -n -o|grep -i $web_prt > /dev/null
then
{
echo "<td><b><font size="2" face="verdana" color="green">Webport $web_prt is Up</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
}
else
{
echo "<td><b><font size="2" face="verdana" color="red">Webport $web_prt is Down!!!</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
}
fi
echo "<br>" >> $monitor_log
sqlplus -silent -S -M "HTML ON TABLE 'BORDER="2"'" "apps/$watw" << EOF >> $monitor_log
@$SCRIPTS_HOME/markup.sql
set pages 300;
@$SCRIPTS_HOME/appdet.sql
set markup html off;
quit;
EOF

#echo "<br>" >> $monitor_log
#echo -e "<caption><b center><font face="verdana">Active User Submission</font></b></caption>\n" >> $monitor_log
echo "<br>" >> $monitor_log
CONCSUB apps/$watw SYSADMIN 'System Administrator' SYSADMIN WAIT=N CONCURRENT FND FNDSCURS > $req_id_log
reqid=`cat $req_id_log|grep -i request|awk '{print $3}'`; export reqid
```

```
#echo "<td><b><font size="2" face="verdana">Active User Concurrent Request submitted, Request Id is $reqid</font></b></td>" >> $monitor_log

sleep 10
sqlplus -silent -S -M "HTML ON TABLE 'BORDER="2"'" "apps/$watw" << EOF >> $monitor_log
@$SCRIPTS_HOME/markup.sql
prompt <b><i>Active User Concurrent Request submitted, Request Id is $reqid</i></b>
set lines 200;
set pages 200;
col program for a30;
col user_name for a20;
select a.request_id ,decode(a.phase_code,'C','Completed','R','Running','I','Inactive','P','Pending') Phase,
substr(b.user_concurrent_program_name,1,40) Program, c.user_name
from apps.fnd_concurrent_requests a, apps.fnd_concurrent_programs_tl b, apps.fnd_user c
where a.concurrent_program_id = b.concurrent_program_id
and a.requested_by=c.user_id
and a.request_id='$reqid'
and b.language='US';
set markup html off;
quit;
EOF

echo "<br>" >> $monitor_log
echo -e "<caption><b center><font size="2" font face="verdana">Mount Point Information</font></b></caption>\n" >> $monitor_log
echo "<br>" >> $monitor_log
df -Ph /prdapp01 /u01 > $mountpnt_log
cnt=`cat $mountpnt_log|wc -l`; export cnt
#echo $cnt
i=1
while (( i <= $cnt ))
do
val=`awk NR==$i $mountpnt_log`; export val
echo "<td><b><font size="2" face="verdana">$val</font></b></td>" >> $monitor_log
echo "<br>" >> $monitor_log
(( i+=1 ))
done

## mail information
cat $monitor_log|mutt -e 'set content_type=text/html' -s "Complete Health Check report for $TWO_TASK Applications on $dateis" $maillist
```

appdet.sql

Please Note

Prior to implementation of any scripts mentioned in this document EBS/Database Administrators are strongly advised to review the deployment methods and test them properly prior moving it to the Business.

Thank You