

Handout B: monitor.sh

Note: Some of the script lines as reprinted in this document have wrapped.

```
#!/bin/sh
#####
export ORACLE_BASE=/opt/oracle
export ORACLE_HOME=${ORACLE_BASE}/product/8.0.5
export SHLIB_PATH=${ORACLE_HOME}/lib

# ORACLE_SID is passed by the package control script:
export ORACLE_SID=$1

# MONITOR_INTERVAL:   The interval of time in seconds that this script should
#                     wait between checks of the Oracle database running.
export MONITOR_INTERVAL=30

# MONITOR_PROCESSES:  Set the array MONITOR_PROCESSES to contain the names
#                     of all processes that must be executing in order to assume this
#                     instance is still up and running.
set -A MONITOR_PROCESSES ora_pmon_${ORACLE_SID} ora_smon_${ORACLE_SID}
ora_lgwr_${ORACLE_SID} ora_dbw0_${ORACLE_SID} ora_arch_${ORACLE_SID}

while true
do
    # Check that the required Oracle instance processes exist in the process list.
    for i in ${MONITOR_PROCESSES[@]}
    do
        ps -ef | grep ${i} | grep -v grep > /dev/null
        if [[ $? != 0 ]]
        then
            print "\n\n"
            ps -ef | grep ${ORACLE_SID} | grep -v grep
            print "\n\t*** ERROR: ${ORACLE_SID} database process ${i} has
Failed! ****"

            print "\t*** Failing over the IP package for ${ORACLE_SID} ****"
            exit 1
        fi
    done
    # Check that the listener for this database is up.
    su oracle -c 'export ORACLE_SID=${ORACLE_SID};export
ORACLE_HOME=${ORACLE_HOME};export SHLIB_PATH=${SHLIB_PATH};${ORACLE_HOME}/bin/lsnrctl
status lsn_${ORACLE_SID}' > /dev/null
    if [[ $? != 0 ]]
    then
        print "\n\t*** WARNING: Oracle listener for ${ORACLE_SID} not running.
****"

        print "\t*** Attempting listener restart for ${ORACLE_SID}. ****"
        /bin/kill -9 `ps -ef | grep lsn_${ORACLE_SID} | grep -v grep | awk '{
print $2 }'` 2>/dev/null
        su oracle -c 'export ORACLE_SID=${ORACLE_SID};export
ORACLE_HOME=${ORACLE_HOME};export SHLIB_PATH=${SHLIB_PATH};${ORACLE_HOME}/bin/lsnrctl
start lsn_${ORACLE_SID}' > /dev/null
        su oracle -c 'export ORACLE_SID=${ORACLE_SID};export
ORACLE_HOME=${ORACLE_HOME};export SHLIB_PATH=${SHLIB_PATH};${ORACLE_HOME}/bin/lsnrctl
status lsn_${ORACLE_SID}' > /dev/null
        if [[ $? != 0 ]]
        then
            print "\n\t*** ERROR: Oracle listener for ${ORACLE_SID} still not
running after restart. ****"
            print "\t*** Failing over the IP package for ${ORACLE_SID} ****"
            exit 1
        fi
    fi
    sleep ${MONITOR_INTERVAL}
done
#####
```