Problem

How can I run msqld automatically at boot time?

Solution

TAT uses an **msql database** to locate LCUs for modular tests using VxWorks.

It might be therefore convenient to run **msqld** at boot time.

This can be done installing the following msql script to /etc/rc.d/init.d:

```
1) ================= /etc/rc.d/init.d/msql script:


#!/usr/bin/ksh

#  Need to set the path or else 'sed', 'su', etc not found.
PATH=/bin:/usr/bin

#  HP-UX and Redhat Linux collect the results of the 'start_msg'
#  calls before running any of the scripts and release-dependent
#  scripts to whom this task is delegated may require that NFS
#  and/or automounter are running, which, while is sure to be
#  the case when this script is called with 'start', it is not
#  certain when it is called with 'start_msg'. For this reason
#  the display of messages is handled by *this* script, but the
#  main responsibility is delegated to the release dependent
#  script.

THING="MSQL database daemon"

case "$1" in
    start_msg) echo "Start $THING"
               exit 0 ;;
    stop_msg)  echo "Stop $THING"
               exit 0 ;;
    start)     : ;;
    stop)      : ;;
    *)         echo "Usage: $0 { start | stop | start_msg | stop_msg }" >&2
               exit 1 ;;
esac

BOOT_RELEASE_DEFINER=almamgr
ALMASW_ROOTDIR=`su - $BOOT_RELEASE_DEFINER -c '. .bashrc; echo $ALMASW_ROOTDIR' 2>/dev/null`
ALMASW_RELEASE=`su - $BOOT_RELEASE_DEFINER -c '. .bashrc; echo $ALMASW_RELEASE' 2>/dev/null`
INITD_SCRIPT=`echo $0 | sed -e 's/.*\///' -e 's/[KS][0-9]*//'`
BOOT_SCRIPT=$ALMASW_ROOTDIR/$ALMASW_RELEASE/System/initd_$INITD_SCRIPT
exec $BOOT_SCRIPT "$@"

#  $Id: FaqMsqld.txt,v 1.2 2014/05/12 14:37:38 AlessandroCaproni Exp $


2) ================= create the following links:


# chmod 555 /etc/rc.d/init.d/msql
# ln -s /etc/rc.d/init.d/msql /etc/rc.d/rc3.d/S99msql
# ln -s /etc/rc.d/init.d/msql /etc/rc.d/rc4.d/S99msql
# ln -s /etc/rc.d/init.d/msql /etc/rc.d/rc5.d/S99msql
# ln -s /etc/rc.d/init.d/msql /etc/rc.d/rc6.d/K01msql


3) ================= correct /alma/MAR2002/System/initd_msql replacing the  vlt user by almamgr user.
Attached is the modified version:


#!/usr/bin/ksh
##*********************************
##
## E.S.O. - VLT project
##
## "@(#) $Id: FaqMsqld.txt,v 1.2 2014/05/12 14:37:38 AlessandroCaproni Exp $"
##
## msql"
##
##  who      when      what
```

```
## -------- -------- ------------------
## awalland 21/04/97 Startup of msql at boot time
## vltmgr   06/19/98 created for cmm
## ahuxley  17/10/99 changed to ksh script for future flexibility
##                   tidied
##                   added SunOS run messages
##                   removed env defs - they're picked up by 'su -'
##                   removed 'exit' which lost *real* return code
## ahuxley  13/12/99 fixed lost exit codes
##                   added comment block for startup sequences
## ahuxley  14/08/00 added sourcing of .bashrc to 'su - vlt -c ...' call
##                   since su'd bash doesn't source it.
#
#  To install this file on Suns:
#       cp <full_path_of_this_file> /etc/init.d/msql
#       ln -s /etc/init.d/msql /etc/rc3.d/S91msql
#       ln -s /etc/init.d/msql /etc/rc0.d/K08msql
#
#  To install this file on HPs:
#       cp <full_path_of_this_file> /sbin/init.d/msql
#       ln -s /sbin/init.d/msql /sbin/rc3.d/S910msql
#       ln -s /sbin/init.d/msql /sbin/rc2.d/K089msql
#
#  To install this file on Redhat 6.* Linux:
#       cp <full_path_of_this_file> /etc/rc.d/init.d/msql
#       ln -s /etc/rc.d/init.d/msql /etc/rc.d/rc3.d/S91msql
#       ln -s /etc/rc.d/init.d/msql /etc/rc.d/rc2.d/K08msql  (run level has not been verified - AHU 17/10/99)
#

PATH=/bin:/usr/bin; export PATH
UNAMES=`uname -s`

case $1 in
        start_msg) echo "Start msql daemon " ;;
        stop_msg)  echo "Stop msql daemon " ;;
        start)     [ $UNAMES = SunOS ] && echo "Starting msql daemon ... \c"
                   su - almamgr -c '. ./.bashrc; nohup msqld &'
                   RC=$?
                   [ $UNAMES = SunOS ] && echo "done" ;;
        stop)      [ $UNAMES = SunOS ] && echo "leaving msql daemon to be killed by init" ;;
        *)         echo "Usage: $0 { start | stop | stop_msg | start_msg }"
                   RC=2 ;;
esac

exit ${RC:-0}
<verbatim>

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Thanks to J.Ibsen for the instructions!
```

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- [Which ports are used by ACS?](#)
- [Problems connecting to ACS servers on a remote machine: bad /etc/hosts](#)
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