


SAP won't start

...and that's probably because of some reason in the operating system? That's exactly what I had on a freshly installed SAP Solution Manager (DB: Oracle 10.2.0.2, OS: SUSE Linux Enterprise Server 10, architecture: Linux x86_64)...

The SAP-Support told me taht the reason was a name conflict between the Novell package "sapinit" and the SAP system script "startsapserv". As a workaround until a new version of "sapinit" I should uninstall this package.

Oh, OK  But the software should start automatically on system start, so I wrote my own startup script:

```
#!/bin/bash
#
# /etc/init.d/mysap
#
#   and its symbolic link
#
# /usr/sbin/rcmysap
#
### BEGIN INIT INFO
# Provides:          MYSAP
# Required-Start:    $remote_fs $syslog
# Should-Start:      sysstat
# Required-Stop:     $remote_fs $syslog
# Default-Start:     3 5
# Default-Stop:      0 1 2 6
# Short-Description:  Control script for SAP systems
# Description:        Starts and stops SAP systems, provides statistics about
the status
### END INIT INFO

# Fetch the boot script functions, if available
test -f /etc/rc.status && . /etc/rc.status

# get configuration data
CONFIGFILE=/etc/sysconfig/mysap
test -f $CONFIGFILE && . $CONFIGFILE

# Reset status of this service
rc_reset

# Figure out what to do, and do it;-)
case "$1" in
    start)
        for SAPSID in $MYSAP_SYSTEMS; do
            SIDBIG=$(echo $SAPSID | tr /a-z/ /A-Z/)
```

```

        SIDSML=$(echo $SAPSID | tr /A-Z/ /a-z/)
        SIDADM="{SIDSML}adm"
        ORASID="ora{SIDSML}"
        su - $ORASID -c "/oracle/$SIDBIG/102_64/bin/lsnrctl start"
        su - $SIDADM -c "/sapmnt/$SIDBIG/exe/startsap"
    done
    rc_status -v
    ;;
stop)
    for SAPSID in $MYSAP_SYSTEMS; do
        SIDBIG=$(echo $SAPSID | tr /a-z/ /A-Z/)
        SIDSML=$(echo $SAPSID | tr /A-Z/ /a-z/)
        SIDADM="{SIDSML}adm"
        ORASID="ora{SIDSML}"
        su - $SIDADM -c "/sapmnt/$SIDBIG/exe/stopsap"
        su - $ORASID -c "/oracle/$SIDBIG/102_64/bin/lsnrctl stop"
    done
    rc_status -v
    ;;
status)
    for SAPSID in $MYSAP_SYSTEMS; do
        SIDBIG=$(echo $SAPSID | tr /a-z/ /A-Z/)
        SAPPROCS=$(ps ax | grep "dw.sap$SIDBIG" | grep -v grep | wc -l)
        ORAPROCS=$(ps ax | grep "oracle$SIDBIG" | grep -v grep | wc -l)
        JVAPROCS=$(ps ax | grep jlaunch | grep $SIDBIG | grep -v grep |
wc -l)
        ICMPROCS=$(ps ax | grep icman | grep $SIDBIG | grep -v grep | wc
-l)
        SSSPROCS=$(ps ax | grep sapstartsrv | grep $SIDBIG | grep -v
grep | wc -l)
        echo -n "Processes: system $SIDBIG: $SAPPROCS d+w, $ORAPROCS
Oracle, "
        echo "$JVAPROCS Java, $ICMPROCS ICM, $SSSPROCS sapstartserv"
    done
    rc_status -v
    ;;
try-restart|restart)
    $0 stop
    $0 start
    ;;
*)
    echo "Usage: $0 {start|status|stop|restart|try-restart}"
    exit 1
    ;;
esac
rc_exit

```

And finally

```
ln -s /etc/init.d/mysap /usr/sbin/rcmysap
```

insserv mysap

and everything is fine.

BTW, the configuration file `/etc/sysconfig/mysap` looks like this:

```
## Path:          Productivity/Other
## Description:   Parameters for SAP software on this machine
## Config:        mysap
#
# This file defines some parameters.
#
# There are no default values, since they highly depend on the
# individual system.
#

## Type:          string
## Default:       ""
## Config:        ""
#
# the SAP systems to be controlled. Multiple systems separated by space.
# for example MYSAP_SYSTEMS="C11 UFV"
#
MYSAP_SYSTEMS="SID"
```

From:

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