

SAP won't start

...and that is because of some reasons that are caused by the operating system? Exactly that was the case with a new installed SAP Solution Manager 4.0 (DB: Oracle, OS: SLES 10 x86_64)...

SAP support told me the cause for this problem was a name conflict between the SLES package `sapinit` and the SAP command „`startsapserv`“. As a workaround I had to uninstall the package „`sapinit`“.

Well, this is not hard to do (`rpm -e sapinit`). But the software had to start together with the system, so I wrote a startup script on my own:

```
#!/bin/bash
#
# /etc/init.d/ufzsap
#
#   and its symbolic link
#
# /usr/sbin/rcufzsap
#
### BEGIN INIT INFO
# Provides:          UFZSAP
# 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:        Controls SAP systems installed on this machine
### END INIT INFO

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

# get configuration data
CONFIGFILE=/etc/sysconfig/ufzsap
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 $UFZSAP_SYSTEMS; do
            SIDBIG=$(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 $UFZSAP_SYSTEMS; do
        SIDBIG=$(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 $UFZSAP_SYSTEMS; do
        SIDBIG=$(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 "Processes for system $SIDBIG: $SAPPROCS d+w, $ORAPROCS
Oracle, $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

```

BTW, the mentioned /etc/sysconfig/ufzsap contains only the line

```
UFZSAP_SYSTEMS="SID"
```

where SID is the SAP system ID for the installed SolMan. Multiple Systems may be given separated by blanks.

Afterwards, I entered

```
ln -s /etc/init.d/ufzsap /usr/sbin/rcufzsap  
insserv ufzsap
```

and everything went smooth!

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