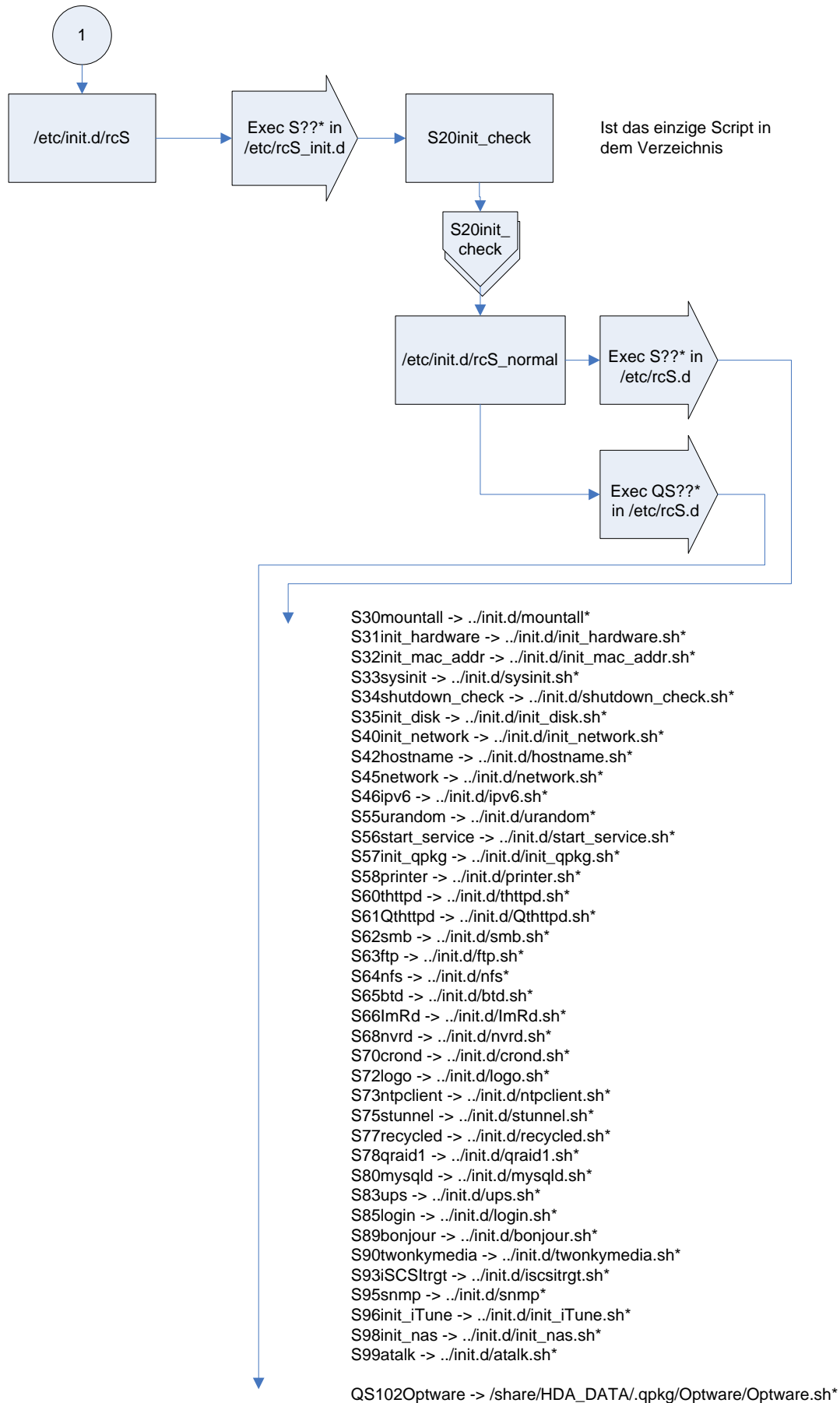
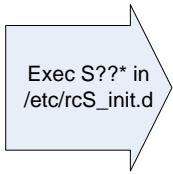


Wo Aufgerufen ist noch zu analysieren





```
#!/bin/sh

# Start all init scripts in /etc/init.d
# executing them in numerical order.
#
for i in /etc/rcS_init.d/S??* ;do

    # Ignore dangling symlinks (if any).
    #[ ! -f "$i" ] && continue

    case "$i" in
        *.sh)
            # Source shell script for speed.
            (
                trap - INT QUIT TSTP
                set start
                . $i
            )
            ;;
        *)
            # No sh extension, so fork subprocess.
            $i start
            ;;
    esac
done
```

../init.d/init\_check.sh



S20init\_  
check

```
#!/bin/sh
PATH=/bin:/sbin:/usr/bin:/usr/sbin
MNT_POINT="/mnt/ext"
FLASH_RFS1="/dev/sdx2"
FLASH_RFS2="/dev/sdx3"
FLASH_RFS5="/dev/sdx5"
FLASH_RFS6="/dev/sdx6"
FLASH_TMP="/flashfs_tmp"
CONFIG_Dev="/dev/md9"
MNT_HD_ROOT_TMP="/hd_root_tmp"
TS_LOG_DIR="/etc/logs"
ISCSI_CONFIG="/etc/config/iscsi.conf"
ISCSI_DEFAULT_CONFIG="/etc/default_config/iscsi.conf"
DEV_NAS_CONFIG="/dev/sdx6"

function run_burntest()
{
    mnt_burntest="/mnt/burntest"

    [ ! -d $mnt_burntest ] && mkdir $mnt_burntest

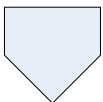
    mount -t ext3 /dev/sda1 $mnt_burntest

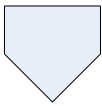
    if [ $? -eq 0 ]; then
        # Check the special symbol
        SYM="cat /etc/burntest.sym 2> /dev/null"
        BURNSYM="$mnt_burntest/burntest/$SYM/QNAP-burning-test"
        if [ -f $BURNSYM ]; then
            [ "x$1" = "xstart" ] && [ -x $mnt_burntest/burntest/burntest-init ] && {
                $mnt_burntest/burntest/burntest-init
                [ $? -eq 0 ] && return 0
            }

            [ "x$1" = "xstop" ] && [ -x $mnt_burntest/burntest/burntest-fini ] && {
                $mnt_burntest/burntest/burntest-fini
                [ $? -eq 0 ] && return 0
            }
        fi
        umount $mnt_burntest > /dev/null 2>&1
        rm -rf $mnt_burntest > /dev/null 2>&1
        return 1
    fi

    return 1
}

create_iscsi_conf()
{
    /bin/echo '[iSCSISetting]' > $ISCSI_CONFIG
    /bin/echo 'Enable = FALSE' >> $ISCSI_CONFIG
    /bin/echo 'iSCSIPort = 3260' >> $ISCSI_CONFIG
    /bin/echo '[iSCSISetting]' > $ISCSI_DEFAULT_CONFIG
    /bin/echo 'Enable = FALSE' >> $ISCSI_DEFAULT_CONFIG
    /bin/echo 'iSCSIPort = 3260' >> $ISCSI_DEFAULT_CONFIG
}
```



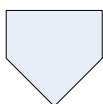


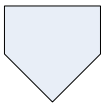
```
mount -t proc /proc /proc
# Mount local file systems in /etc/fstab
mount -o remount,rw /
mount -a
mkdir /sys
mount -t sysfs sysfs /sys
[ -d /tmp ] || mkdir /tmp
mount -t tmpfs tmpfs /tmp -o size=32M
chmod 777 /tmp
[ -d /tmp/config ] || mkdir /tmp/config
#set HDD LED
for i in 0 1 2 3 4 5; do
    [ ! -f /sys/class/scsi_host/host$i/em_message ] || /bin/echo 0x80000 > /sys/class/scsi_host/host$i/em_message
done
#insmod
[ ! -f /lib/modules/misc/gcu.ko ] || /sbin/insmod /lib/modules/misc/gcu.ko
[ ! -f /lib/modules/misc/iegbe.ko ] || /sbin/insmod /lib/modules/misc/iegbe.ko
[ ! -f /lib/modules/misc/mv61xx.ko ] || /sbin/insmod /lib/modules/misc/mv61xx.ko
[ ! -f /lib/modules/misc/mv_sata.ko ] || /sbin/insmod /lib/modules/misc/mv_sata.ko
if [ -f /lib/modules/misc/mv_sata.ko ] || [ -f /lib/modules/misc/mv61xx.ko ]; then
    /bin/sleep 10
fi
[ ! -f /lib/modules/misc/libata.ko ] || /sbin/insmod /lib/modules/misc/libata.ko 2>>/dev/null
[ ! -f /lib/modules/misc/ahci.ko ] || /sbin/insmod /lib/modules/misc/ahci.ko 2>>/dev/null
[ ! -f /lib/modules/misc/usbcore.ko ] || /sbin/insmod /lib/modules/misc/usbcore.ko 2>>/dev/null
[ ! -f /lib/modules/misc/ehci-hcd.ko ] || /sbin/insmod /lib/modules/misc/ehci-hcd.ko 2>>/dev/null
[ ! -f /lib/modules/misc/uhci-hcd.ko ] || /sbin/insmod /lib/modules/misc/uhci-hcd.ko 2>>/dev/null
if [ -f /lib/modules/misc/usb-storage.ko ]; then
    /sbin/insmod /lib/modules/misc/usb-storage.ko
    sleep 10
fi
/bin/mount -t usbfs none /proc/bus/usb
[ $? = 0 ] || /bin/echo "mount usbfs failed."

Model_Name=`cat /etc/default_config/Model_Name.conf 2>/dev/null`
[ "x$Model_Name" != "x" ] || Model_Name="TS-509"
if [ "x${Model_Name}" = "xTS-101" ]; then
    /bin/echo -n "Recover device node...."
    /bin/mv /dev/sdareal4 /dev/sda4
    [ $? = 0 ] && /bin/echo "OK."
    /bin/echo "Wait for 1 seconds."
    /bin/sleep 1
fi
/bin/echo

if [ -f /etc/lcd_disable_install ]; then
    export COMPRT4LCD=yes
    [ -x /sbin/lcd_tool ] || COMPRT4LCD=no
    # Turn on syslog ... because I will be blind
    [ "x$COMPRT4LCD" = "xyes" ] && {
#         /sbin/syslogd -O /tmp/messages -s 1000
#         /sbin/klogd -c 7
#Check if generic version
        if [ -f /etc/IS_G ]; then
            lcd_tool -1 "NAS" -2 " Welcome! "
        else
            lcd_tool -1 "QNAP Turbo NAS" -2 " Welcome! "
        fi
    }
fi

/bin/echo "Start config_util..."
/sbin/config_util 1
/sbin/config_util 4
[ $? != 0 ] && /bin/echo "Some errors occurred while running config_util."
/bin/echo "config_util finished."
/bin/echo 500 > /proc/sys/vm/dirty_expire_centisecs
/bin/echo 100 > /proc/sys/vm/dirty_writeback_centisecs
/bin/echo 5 > /proc/sys/vm/dirty_ratio
/bin/echo 10 > /proc/sys/vm/dirty_background_ratio
/bin/echo 0x4000000 > /proc/sys/kernel/shmmax
```



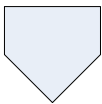


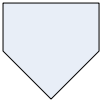
```
echo "mount HDD root device"
/bin/mkdir $MNT_HD_ROOT_TMP
/bin/mount $CONFIG_Dev $MNT_HD_ROOT_TMP 1>>/dev/null 2>>/dev/null
if [ $? != 0 ]; then
    /bin/echo "mount $CONFIG_Dev failed."
else
    /bin/echo "mount $CONFIG_Dev successful."
    [ -f $MNT_HD_ROOT_TMP/.config/Model_Name.conf ] || echo "$Model_Name" > $MNT_HD_ROOT_TMP/.config/Model_Name.conf
    HD_Model_Name=`cat $MNT_HD_ROOT_TMP/.config/Model_Name.conf 2>/dev/null`
#try to fix model name here.
    if [ "x$HD_Model_Name" != "x$Model_Name" ]; then
        /bin/ln -sf config_util /sbin/ch_model
        /sbin/ch_model "$Model_Name"
    fi
    HD_Model_Name=`cat $MNT_HD_ROOT_TMP/.config/Model_Name.conf 2>/dev/null`
    echo $HD_Model_Name > /tmp/Internal_Model
    HD_BOOT_CONF=`cat ${MNT_HD_ROOT_TMP}/.config/BOOT.conf`
    /bin/echo "$HD_BOOT_CONF" > /tmp/BOOT_CONF
    /bin/umount $CONFIG_Dev
    [ $? = 0 ] || /bin/echo "umount $CONFIG_Dev failed."
    if [ "x$HDD_INTERNAL_MODEL" != "x$SYS_INTERNAL_MODEL" ]; then
        /sbin/write_log "HDD cannot be mounted because the Internal Model is not matched" 2
    fi
fi

[ -f /etc/init.d/check_bootcmd.sh ] && /etc/init.d/check_bootcmd.sh
[ -f /bin/md5sum ] || /bin/ln -sf busybox /bin/md5sum

BOOT_CONF=`/bin/cat /etc/default_config/BOOT.conf 2>/dev/null`
/sbin/create_hwtype

if [ "x${HD_BOOT_CONF}" = "xTS-NASX86" -a "x$HD_Model_Name" = "x$Model_Name" ] || \
    [ "x${HD_BOOT_CONF}" = "xTS-NASARM" -a "x$HD_Model_Name" = "x$Model_Name" ] || \
    [ "x${HD_BOOT_CONF}" = "xTS-NASPPC" -a "x$HD_Model_Name" = "x$Model_Name" ]; then
    /bin/echo "Update Extended rcX_init.d...(1)"
    /etc/init.d/rcS_normal
    #/bin/mv /etc/rcS.d/* /etc/rcS_init.d/
    #/bin/mv /etc/rcK.d/* /etc/rcK_init.d/
else
    /bin/echo "Update Extended rcX_init.d...(2)"
    /etc/rcS.d/S30mountall start
    /sbin/setcfg System Booting 1
    /sbin/daemon_mgr picd start "/sbin/picd &"
    /sbin/daemon_mgr gpiod start "/sbin/gpiod &"
    [ -f /sbin/hwmond ] && /sbin/daemon_mgr hwmond start "/sbin/hwmond &"
    [ -f /sbin/acpid ] && /sbin/daemon_mgr acpid start "/sbin/acpid"
    [ -f /usr/sbin/upsutil ] && /sbin/daemon_mgr upsutil start "/usr/sbin/upsutil &"
    /etc/rcS.d/S31init_hardware start
    /etc/rcS.d/S32init_mac_addr start
    #/etc/rcS.d/S33sysinit start
    /sbin/hwclock --hctosys
```





```
run_burntest start
[ $? -eq 0 ] && exit 0
```

```
/bin/echo log hidden config directory not exist, initial log file...
```

```
    /bin/mkdir $TS_LOG_DIR
    /sbin/log_tool -c -v
    /sbin/log_tool -b 50 -v
    /sbin/conn_log_tool -c -v
    /sbin/conn_log_tool -b 50 -v
```

```
/etc/rcS.d/S34shutdown_check start
```

```
/sbin/storage_boot_init 3
```

```
/sbin/storage_boot_init 4
```

```
#/etc/rcS.d/S35init_disk start
```

```
/etc/rcS.d/S42hostname start
```

```
/etc/rcS.d/S45network start
```

```
/etc/rcS.d/S60thttpd start
```

```
#/usr/local/sbin/Qthttpd -p 80 -nor -nos -u admin -d /home/httpd -c '**.*'
```

```
/etc/rcS.d/S61Qthttpd start
```

```
# create default index html file (replace "SERVER_NAME" string)
```

```
#/bin/sed s/SERVER_NAME/ /sbin/getcfg system "server name" /root/index_default.html > /home/httpd/index.html
```

```
#/bin/mv /etc/rcK.d/K24thttpd /etc/rcK_init.d/
```

```
#/bin/mv /etc/rcK.d/K40network /etc/rcK_init.d/
```

```
#/bin/mv /etc/rcK.d/K66shutdown_check /etc/rcK_init.d/
```

```
#/bin/mv /etc/rcK.d/K80init_disk /etc/rcK_init.d/
```

```
if [ "x${BOOT_CONF}" = "xTS-NASARM" ] || [ "x${BOOT_CONF}" = "xTS-NASPPC" ]; then
    DEV_NAS_CONFIG=/dev/mtdblock5
```

```
fi
```

```
/bin/mount $DEV_NAS_CONFIG -t ext2 /tmp/config -o ro 2>/dev/null 1>/dev/null
```

```
if [ -f /tmp/config.write_cache ]; then
```

```
    /sbin/setcfg Misc "Enable Write Cache" 1
```

```
fi
```

```
/bin/umount /tmp/config 2>/dev/null 1>/dev/null
```

```
/bin/touch /tmp/format.status
```

```
Internal_Model=`/sbin/getcfg System "Internal Model"
```

```
    /sbin/config_util 0
```

```
    if [ $? != 0 ]; then
```

```
        /bin/echo "init_check.sh: No HD existed."
```

```
        /sbin/set_status_led 1 1
```

```
        # /sbin/burning &
```

```
    fi
```

```
#Set power LED on
```

```
if [ "x$Internal_Model" = "xTS-609" ] || [ "x$Internal_Model" = "xTS-239" ] || [ "x$Internal_Model" = "xTS-439" ] || [ "x$Internal_Model" = "xTS-639" ] || [
```

```
"x$Internal_Model" = "xTS-839" ] || [ "x$Internal_Model" = "xTS-259" ] || [ "x$Internal_Model" = "xTS-459" ] || [ "x$Internal_Model" = "xTS-559" ] || [ "x$Internal_Model" =
```

```
"xTS-659" ] || [ "x$Internal_Model" = "xTS-859" ]; then
```

```
    /sbin/pic_raw 77
```

```
fi
```

```
[ -f /sbin/qLogEngined ] && /sbin/daemon_mgr qLogEngined start /sbin/qLogEngined
```

```
[ -f /sbin/qsyslogd ] && /sbin/daemon_mgr qsyslogd start /sbin/qsyslogd
```

```
[ -f /sbin/qShield ] && /sbin/daemon_mgr qShield start /sbin/qShield
```

```
# For utelnetd
```

```
cd /bin; ln -sf busybox readlink;
```

```
/bin/readlink /etc/inittab | /bin/grep enable > /dev/null
```

```
/etc/init.d/login.sh start
```

```
/etc/init.d/stunnel.sh start
```

```
/etc/init.d/bonjour.sh restart
```

```
# For localtime
```

```
readlink /usr/share/zoneinfo 1>>/dev/null 2>>/dev/null
```

```
if [ $? != 0 ]; then
```

```
    [ -d /usr/share ] || /bin/mkdir /usr/share -p
```

```
    [ -d /usr/share/zoneinfo ] || /bin/ln -sf /etc/zoneinfo /usr/share/zoneinfo
```

```
fi
```

```
# For passwd
```

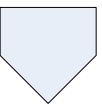
```
if [ ! -d /usr/bin ]; then
```

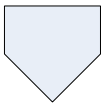
```
    echo "create /usr/bin/passwd"
```

```
    /bin/mkdir /usr/bin -p
```

```
    /bin/ln -sf /bin/busybox /usr/bin/passwd
```

```
fi
```



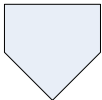


```
# For booting count
/etc/init.d/init_nas.sh booting_count
/sbin/pidof upnpd
[ $? = 0 ] || /etc/init.d/upnpd.sh restart
[ -f /sbin/lcdmond ] && /sbin/daemon_mgr lcdmond start /sbin/lcdmond
if [ x`/sbin/getcfg Misc "Buzzer Quiet Enable" != "xTRUE" ]; then
    /sbin/pic_raw 81
fi
/etc/init.d/update_def_share.sh
/bin/touch /etc/config/usb_share_mapping
/bin/touch /etc/default_config/usb_share_mapping
/bin/touch /var/lock/add_ext_dev
/bin/touch /etc/config/usb_share_setting
/bin/touch /etc/default_config/usb_share_setting
/bin/touch /etc/config/esata_share_mapping
/bin/touch /etc/default_config/esata_share_mapping
/bin/touch /etc/config/smart.conf
fi

[ -f /bin/ts_init ] && /bin/ts_init
/sbin/sss_convert
/etc/init.d/network.sh write_hosts
/bin/umount $FLASH_RFS1 1>>/dev/null 2>>/dev/null
/bin/umount $FLASH_RFS2 1>>/dev/null 2>>/dev/null
/bin/e2fsck -pf $FLASH_RFS5 1>>/dev/null 2>>/dev/null
/bin/e2fsck -pf $FLASH_RFS6 1>>/dev/null 2>>/dev/null
[ ! -d $FLASH_TMP ] || /bin/rmdir $FLASH_TMP 1>>/dev/null 2>>/dev/null
[ ! -d $MNT_HD_ROOT_TMP ] || /bin/rmdir $MNT_HD_ROOT_TMP 1>>/dev/null 2>>/dev/null
[ -f /etc/init.d/upnpd.sh ] && /bin/ln -sf ../init.d/upnpd.sh /etc/rcK.d/K15upnp
[ -f /etc/init.d/iscsiinit.sh ] && /bin/ln -sf ../init.d/iscsiinit.sh /etc/rcK.d/K59iscsiinit
#[ -f /etc/init.d/upnpd.sh ] && /etc/init.d/upnpd.sh restart
[ -f $ISCSI_CONFIG ] || create_iscsi_conf

# Send alert mail
[ -f /tmp/send_alert_mail ] && \
/sbin/send_alert_mail "The system was not shut down properly last time." && \
/bin/rm -f /tmp/send_alert_mail

/bin/touch /tmp/.boot_done
```



```
#!/bin/sh
```

```
# Start all init scripts in /etc/init.d  
# executing them in numerical order.  
#
```

```
for i in /etc/rcS.d/S??* ;do
```

```
    # Ignore dangling symlinks (if any).  
    # [ ! -f "$i" ] && continue
```

```
    case "$i" in  
        *.sh)  
            # Source shell script for speed.  
            (  
                trap - INT QUIT TSTP  
                set start  
                . $i  
            )  
            ;;  
        *)  
            # No sh extension, so fork subprocess.  
            $i start  
            ;;  
    esac
```

```
done
```



Exec S??\*  
in /etc/rcS.d

```
#for QPKG
```

```
for i in /etc/rcS.d/QS??* ;do
```

```
    # Ignore dangling symlinks (if any).  
    # [ ! -f "$i" ] && continue
```

```
    case "$i" in  
        *.sh)  
            # Source shell script for speed.  
            (  
                trap - INT QUIT TSTP  
                set start  
                . $i  
            )  
            ;;  
        *)  
            # No sh extension, so fork subprocess.  
            [ -f $i ] && $i start  
            ;;  
    esac
```

```
done
```



Exec KO??\*  
in /etc/rcS.d