

How to start and stop the eSOM/9263 embedded web browser

The System-on-Module eSOM/9263 of your eSOM/SK2 starter kit¹ runs the SSV embedded web browser with a simple demo application direct after each power-up.

The eSOM/9263 Linux of the eSOM/SK2 starter kit comes with a shell script file to stop, start, and restart the embedded web browser.

- **1. Step:** Setup a Telnet user session. Login as a user with administrator rights. Then execute the following command line:

```
/etc/init.d/web-browser.sh stop
```

The execution of this command stops the embedded web browser and clears the LCD.

- **2. Step:** To start the embedded web browser again please execute the following command line:

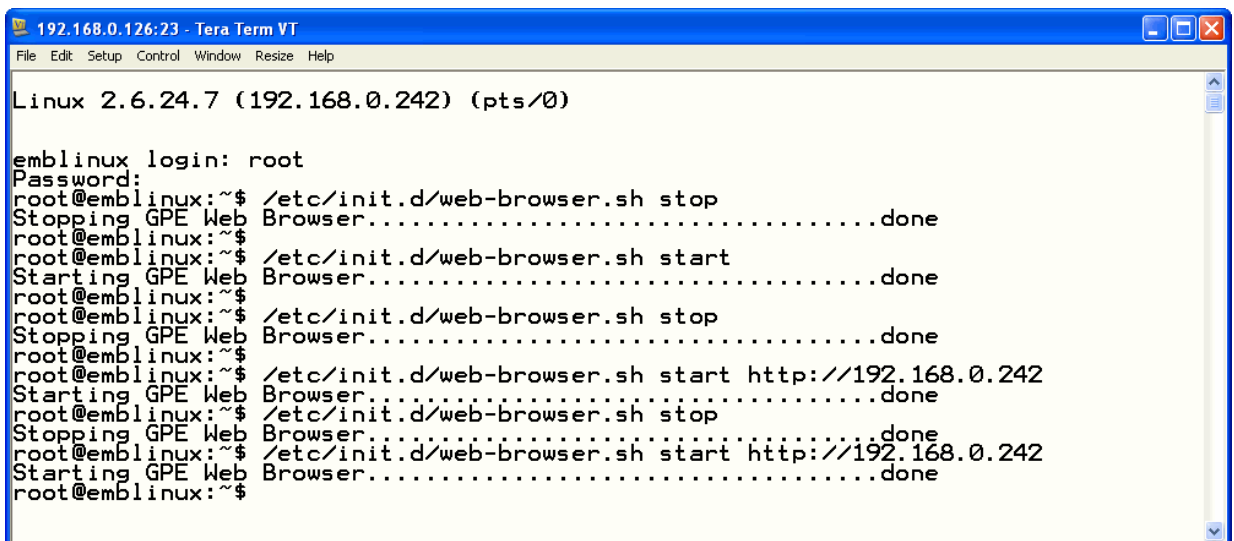
```
/etc/init.d/web-browser.sh start
```

The execution of this command brings back the simple demo application to the eSOM/SK2 LCD. The parameter *start* connects the browser to the local web server with the IP address 127.0.0.1.

- **3. Step:** The shell script allows also to start the embedded web browser and to access an external web server. The command line:

```
/etc/init.d/web-browser.sh start http://192.168.0.242
```

runs the browser and access the file *index.html* of an external HTTP server on a computer with the IP address 192.168.0.242.



¹ eSOM/9263 with SD card and eSOM/SK2 starter kit configuration

Appendix: Listing of the shell script file /etc/init.d/web-browser.sh

```
#!/bin/sh
#
# web-browser    Start and stop the GPE Mini Web Browser
#
# Version:      1.01  21.10.2009  ene@SSV
#

export WEBKIT_IGNORE_SSL_ERRORS="1"
export DISPLAY=:0'

DAEMON='/usr/bin/gpe-mini-browser2'
ARGS='-nf'
PIDFILE='/var/run/webbrowser.pid'

if [ '' != "$2" ]; then
    ARGS=${ARGS}' '$2
elif [ -f /var/run/webgui.url ]; then
    ARGS=${ARGS}' localhost?'$(cat /var/run/webgui.url)
elif [ -f /var/run/demo.url ]; then
    ARGS=${ARGS}' '$(cat /var/run/demo.url)
else
    ARGS=${ARGS}' localhost'
fi

case "$1" in
    start)
        echo -n 'Starting GPE Web Browser.....'
        start-stop-daemon --start -m -p $PIDFILE -q -b -x $DAEMON -- ${ARGS}
        [ $? -eq 0 ] && echo 'done' || echo 'faild'
        ;;
    stop)
        echo -n 'Stopping GPE Web Browser.....'
        #PROCESS_IN_SLEEP=$(ps | grep gpe-mini-browser2 | grep -v grep | awk '{print $4}')
        #[ "x$PROCESS_IN_SLEEP" == 'xT' ] && killall -SIGCONT gpe-mini-browser2
        start-stop-daemon --stop -p $PIDFILE -q -x $DAEMON
        echo 'done'
        ;;
    restart)
        echo -n 'Restarting GPE Web Browser.....'
        #PROCESS_IN_SLEEP=$(ps | grep gpe-mini-browser2 | grep -v grep | awk '{print $4}')
        #[ "x$PROCESS_IN_SLEEP" == 'xT' ] && killall -SIGCONT gpe-mini-browser2
        start-stop-daemon --stop -p $PIDFILE -q -x $DAEMON
        start-stop-daemon --start -m -p $PIDFILE -q -b -x $DAEMON -- ${ARGS}
        #[ "x$PROCESS_IN_SLEEP" == 'xT' ] && killall -SIGSTOP gpe-mini-browser2
        echo 'done'
        ;;
    *)
        echo "Usage: $0 {start|stop|restart}" >&2
        exit 1
        ;;
esac

exit 0
```

That's all.