

How To Add ESP Log File Monitoring

1. Install swatch

```
sudo apt-get install swatch  
or  
sudo yum install swatch
```

2. Install xtail

```
sudo apt-get install xtail  
  
or  
  
sudo yum install xtail  
  
or  
  
sudo wget http://www.unicom.com/files/xtail-2.1.tar.gz  
gunzip xtail-2.1.tar.gz  
tar -xvf xtail-2.1.tar  
cd xtail-2.1  
sudo sh configure  
sudo sh make  
sudo sh make install (don't worry if you get an error about creating the man file)
```

3. Create the esp.log conf file

```
cd /etc  
sudo vi swatch_esp.conf
```

Add the following: (customize email addresses as appropriate)

```
watchfor /CRITICAL/  
  mail addresses= testemail1\@test.org:testemail2\@test.org,  
  subject=CRITICAL_Error_In_ESP_Log_File  
  threshold track_by=CRITICAL, type=limit, count=1, seconds=60
```

4. Create the cron log conf file (Note: this will monitor all files in the ESP cron log directory.)

```
cd /etc  
sudo vi swatch_cron.conf
```

Add the following: (customize email addresses as appropriate)

```
ignore /spiffymcgee|records with 0 errors|Errors:/  
watchfor /ERROR|error|Error|No such file|Permission denied/
```

```
mail addresses= testemail1\@test.org:testemail2\@test.org,
subject=ERROR_Found_In_Cron_Log_File_Directory
threshold track_by=ERROR, type=limit, count=1, seconds=60
```

5. Create the esp startup script. You must customize the file for the location of the esp.log files as well as the path to xtail (locations shown in bold below):

```
cd /etc/init.d
sudo vi swatch_esp
```

Add the following as the contents of the file:

```
#!/bin/sh
# chkconfig: 2345 80 20
# Simple Log Watcher Program

case "$1" in 'start')
    /usr/bin/swatch --daemon --config-file=/etc/swatch_esp.conf --tail-
file="/var/log/esp.log" --pid-file=/var/run/swatch_esp.pid --tail-program-
name "/usr/local/bin/xtail"
;;
'stop')
    PID=`cat /var/run/swatch_esp.pid`
    kill $PID
;;
*)
    echo "Usage: $0 { start | stop }"
;;
esac
exit 0
```

Set the Permissions:

```
sudo chmod 755 swatch_esp
```

5. Create the cron statup script. You must customize the file for the DIRECTORY of the cron logs as well as the path to xtail (locations shown in bold below):

```
cd /etc/init.d
sudo vi swatch_cron

#!/bin/sh
# chkconfig: 2345 80 20
# Simple Log Watcher Program

case "$1" in 'start')
    sudo /usr/bin/swatch --daemon --config-file=/etc/swatch_cron.conf --
tail-file="/srv/esp/log/" --pid-file=/var/run/swatch_cron.pid --tail-program-
name "/usr/local/bin/xtail"
;;
```

```
'stop')
    PID=`cat /var/run/swatch_cron.pid`
    kill $PID
    ;;
*)
    echo "Usage: $0 { start | stop }"
    ;;
esac
exit 0
```

Set the Permissions:

```
sudo chmod 755 swatch_cron
```

6. Start the monitors

```
sudo /etc/init.d/swatch_esp start
sudo /etc/init.d/swatch_cron start
```

7. Test it out. Update for file names and locations.

```
sudo su esp
echo "CRITICAL This is just a test. If this was a real error you would
see it here" >> /var/log/esp.log
echo "ERROR This is just a test. If this was a real error you would see
it here" >> /srv/esp/log/daily_log_cron.test
```

8. Add it to system startup

Ubuntu:

```
cd /etc/init.d
sudo update-rc.d swatch_esp defaults 98 02
sudo update-rc.d swatch_cron defaults 98 02
```

RedHat:

```
cd /etc/init.d
sudo chkconfig --add swatch_esp
sudo chkconfig --add swatch_cron
```