

Scenario:

My ISP suddenly drops the connection, even though all lights are "green" on the cable modem and it should be working..

Only solution I've found is to reboot the pfsense..

Read my other topic about this here:

<http://forum.pfsense.org/index.php/topic,69879.msg381954.html#msg381954>

I found another one that had same problems here, with a more advanced script:

<http://volker.top.geek.nz/soft/script/pfsense-ifc-check>

My 10 steps - Howto:

1. Login to pfsense with ssh, select "8" for shell command
2. Go to: /usr/local/bin
3. To remount file systems as read-write, run: /etc/rc.conf_mount_rw
4. Create file: ping-check.sh (to create file, simple howto: vi ping-check.sh, then carefully click "i" and paste the code, click "esc", type ":wq!" - all in that order!)

Add this to file;

```
#!/bin/sh

# HOSTS can be either you ISP or google.com
HOSTS="google.com"
COUNT=2

echo "Pinging.."
echo "HOSTS: " $HOSTS
echo "COUNT: " $COUNT
#####
for myHost in $HOSTS
do
    counting=$(ping -c $COUNT $myHost | grep 'received' | awk -F',' '{ print $2 }' | awk
    '{ print $1 }' )
    echo "counting: " $counting

    if [ $counting -eq 2 ]; then
        echo "Ping OK"

    else
        # network down
        # Save RRD data
        /etc/rc.backup_rrd.sh
        #Reboot
        echo "Reboot!"
        reboot
    fi
done
```

5. chmod 700 ping-check.sh
6. To mount as read-only again, run: /etc/rc.conf_mount_ro
7. exit

Now you need to add a cron job to automatically run this every 5 minutes..

8. Go into pfSense web interface - and select:

Packages (under System)

Cron (0.1.8 is what I found when writing this)

Select "+" and install Cron.

9. Then go into Cron (under Services)

10. Click "+" and add

```
minute: 5
hours:   *
mday:   *
month:  *
wday:   *
(who):  root
command: /usr/local/bin/ping-check.sh
```

Click "Save"

That's it!

Now the system will check if the pfSense box is able to ping every 5 minutes the host in the script, if not - it will reboot.

Tested on my 2.1-RELEASE (i386) and works perfectly well.

if I can just get curl into pfsense also, the pfsense box will be able to issue the command for rebooting the cable modem too.. but that is for later or next project ;)

Enjoy :-)