

Resources:

<http://www.thegeekstuff.com/2009/11/ping-tutorial-13-effective-ping-command-examples/>

#more-2525 access November 19, 2013

<http://www.linuxquestions.org/questions/linux-newbie-8/how-to-run-a-shell-script-in-a-background-608669/> access November 19, 2013

<http://linuxcommand.org/wss0010.php> access November 19, 2013

My network connection times-out very quickly when the pi is not being used. The only way to get connection back was to shutdown and restart it. To fix this, I wrote a script that will ping to google every so often. The code is below:

```
#!/bin/bash
#script to keep connection alive
counter="0"

while :
do
    if [[ $counter -eq 24 ]] ; then
        counter="0"
        echo 'Log File'> error_log.txt
    else
        counter=$((counter + 1))
        echo date >>error_log.txt
        ping -c 10 -q google.com >> error_log.txt
        sleep 1m
    fi
done
```

This was saved to ping_script.

```
chmod 755 ping_script
```

This allowed it to be ran. Finally the script is run:

```
./ping_script&
```

And to check its working:

```
ps -ef | grep -i ping_script
```

the & symbols hides it in the background. This simple program fixed my networking problem.