Synology Terminal Commands

```
sudo -i

synoservicecfg --list
synoservicecfg --hard-stop <service>
synoservicecfg -stop <service>
synoservicecfg --hard-start <service>
synoservicecfg -start <service>
synoservice —status
synoservice —restart <service>
synoservicectl —restart <service>
```

Apache webserver:

```
stop pkg-apache22
start pkg-apache22
reload pkg-apache22
```

Sonarr/Radarr service:

```
stop pkgctl-nzbdrone
start pkgctl-nzbdrone
stop pkgctl-radarr
start pkgctl-radarr
```

restart DSM Webapplication:

```
restart synoscgi
```

Uninstall Universal Search:

```
synopkg uninstall SynoFinder
```

Synology provides additional tools to diagnose a system. These tools only need to be installed as root. Log in as root or as user and then use `sudo su` to become root. To install:

```
synogear install
```

Installation takes a little while.

The list of tools can be obtained using the command:

```
synogear list
```

```
All tools:
addr2line        eu-unstrip        name2addr            sadf
addr2name        file         ncat            sar
```

```
ar                fio               ndisc6              sh
arping                fio2gnuplot          nethogs             sid2ugid.sh
as                fio-btrace2fio        nfsiostat-sysstat  size
ash               fio-dedupe       nm                  slabtop
autojump              fio_generate_plots  nmap              sockstat
avahi-browse          fio-genzipf         nping             speedtest-cli.py
avahi-publish         fio_latency2csv.py  nslookup            strace
avahi-resolve         fiologparser.py        objcopy            strings
bash              fio-verify-state    objdump            strip
c++filt           fix_idmap.sh         perf-check.py      sysctl
cifsiostat            free             pgrep              sysstat
clockdiff             gcore                pidof             tcpdump_wrapper
dig               gdb               pidstat             tcpspray
domain_test.sh        gdbserver        ping               tcpspray6
elfedit           genfio               ping6             tcptraceroute6
eu-addr2line          gprof               pkill             telnet
eu-ar             iftop            pmap               tload
eu-elfcmp             iostat           ps                tmux
eu-elfcompress        iotop               pstree             top
eu-elflint            iperf            pwdx               tracepath
eu-findtextrel        iperf3              ranlib             traceroute6
eu-make-debug-archive  kill            rarpd              tracert6
eu-nm             killall              rdisc              uptime
eu-objdump            ld               rdisc6             vmstat
eu-ranlib             ld.bfd              readelf            w
eu-readelf            ldd               rltraceroute6      watch
eu-size           log-analyzer.sh     run               zblacklist
eu-stack          lsof             sa1                zmap
eu-strings            ltrace           sa2               ztee
eu-strip          mpstat           sadc
```

From now on, these commands can be used directly in the command line. In package center this is now listed as "Diagnosis Tool" and can be removed from there. An installation via package center is not possible though.

SSH no matching cipher found

When trying to ssh into synology, the following error message may be displayed:

```
Unable to negotiate with x.x.x.x port 22: no matching cipher found. Their
offer: aes128-cbc,3des-cbc,aes192-cbc,aes256-cbc
```

Logging in by specifically using one of the offered ciphers works:

```
ssh -c aes256-cbc admin@x.x.x.x
```

This can be changed via the DSM interface: DSM control panel → Terminal → advanced settings → "high" profile

Alternatively, the sshd_config can be changed from the command line with the desired ciphers:

```
sudo vi /etc/ssh/sshd_config
```

and replacing the ciphers aes256-ctr,aes128-cbc,3des-cbc,aes192-cbc,aes256-cbc with

```
Ciphers aes128-ctr, aes128-gcm, aes192*, aes256*, dhge-sha256, curve25519-
sha256, hmac-sha2-256
```

Restart the synology for the changes to take effect.

From:
http://wuff.dyndns.org/ - **Wulf's Various Things**

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