

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	tcptracroute6
eu-addr2line	gprof	pskill	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	rltracroute6	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.

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

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