

[turn](#), [stun](#), [turnserver](#), [stunserver](#), [monit](#), [monitoring](#)

Monitoring turn & stun server

Sources

- <https://stackoverflow.com/questions/28772212/stun-turn-server-connectivity-test>
- <https://webrtc.github.io/samples/src/content/peerconnection/trickle-ice/>

HowTo

Install coturn and disable it

```
apt -y install coturn
systemctl disable coturn
systemctl stop coturn
```

now *turnutils_uclient* can be used to check the connection to the turn server

```
turnutils_uclient -T -W <STATIC_AUTH_PASSWORD> <hostname.domain.tld>
```

```
0: Total connect time is 1
0: 2 connections are completed
0: start_mclient: msz=2, tot_send_msgs=0, tot_rcv_msgs=0, tot_send_bytes ~ 0, tot_rcv_bytes ~ 0
0: start_mclient: msz=2, tot_send_msgs=0, tot_rcv_msgs=0, tot_send_bytes ~ 0, tot_rcv_bytes ~ 0
1: start_mclient: msz=2, tot_send_msgs=0, tot_rcv_msgs=0, tot_send_bytes ~ 0, tot_rcv_bytes ~ 0
2: start_mclient: msz=2, tot_send_msgs=0, tot_rcv_msgs=0, tot_send_bytes ~ 0, tot_rcv_bytes ~ 0
3: start_mclient: msz=2, tot_send_msgs=5, tot_rcv_msgs=5, tot_send_bytes ~ 500, tot_rcv_bytes ~ 500
4: start_mclient: tot_send_msgs=10, tot_rcv_msgs=10
4: start_mclient: tot_send_bytes ~ 1000, tot_rcv_bytes ~ 1000
4: Total transmit time is 5
4: Total lost packets 0 (0.000000%), total send dropped 0 (0.000000%)
4: Average round trip delay 43.400000 ms; min = 24 ms, max = 72 ms
4: Average jitter 18.800000 ms; min = 4 ms, max = 48 ms
```

```
timeout 5 turnutils_stunclient -p 3478 hostname.domain.tld
```

using netcat, something like this should work for stun (see SO Link):

```
stunserver=hostname.domain.tld; stunport=3478; listenport=20000; echo -ne
"\x00\x01\x00\x00Y0G0\x59\x4f\x47\x4fSTACFLOW" | nc -u -p $listenport $stunserver $stunport -w 1;
timeout 5 nc -l -u -p $listenport | head -c 32 | tail -c 4 | hexdump -e '/1 "%u" "." | grep -o ".*[^\.]"
&& echo yes-no-problem || echo "Error in Tun server:$stunserver:$stunport"
```

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