

TURN Server

Talk works correctly only in the same network. To work with multiple client behind NAT, TURN server is required.

CoTURN

Official NC HowTo for installing TURN server:

<https://help.nextcloud.com/t/howto-setup-nextcloud-talk-with-turn-server/30794>

Dockers with coTURN server:

- <https://github.com/coturn/coturn/tree/master/docker>
- <https://github.com/instrumentisto/coturn-docker-image>
- <https://hub.docker.com/r/monogramm/docker-coturn>
 - <https://github.com/Monogramm/docker-coturn>
 - lightweight fork using alpine and latest coturn (master branch) like instrumentisto/coturn-docker-image
- <https://hub.docker.com/r/cybergatelabs/coturn>
 - simple Debian Buster + coturn package:
<https://hub.docker.com/r/cybergatelabs/coturn/dockerfile>
 - Blog howto:
<https://mach5.web.id/2020/04/nextcloud-series-part-2-nextcloud-talk-turn-stun-server/>

Online verifcator for public TURN server:

- <https://webrtc.github.io/samples/src/content/peerconnection/trickle-ice/>

Some found HOWTOs:

- <https://docs.bigbluebutton.org/2.2/setup-turn-server.html>
- https://meetrix.io/blog/webrtc/turnserver/long_term_cred.html
- <https://github.com/spreadbox/spreadbox/wiki/Use-TURN-server>
- <https://www.netways.de/blog/2017/08/16/setting-up-a-turn-server-for-nextcloud-video-calls/>

TCP/UDP Ports

- Default TCP/UDP 3478 (can be set to 80)
- Default TLS/DTLS is 5349 (can be set to 443)
- Receiving UDP ports: 49152-65535

--min-port Lower bound of the UDP port range for relay endpoints allocation. Default value is 49152, according to RFC 5766.

--max-port Upper bound of the UDP port range for relay endpoints allocation. Default value is 65535, according to RFC 5766.

From:

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Permanent link:

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