

running Ubuntu Server 22.04) to act as and SRT relay. The TX EP connects to DX first and then a RX EP can connect and receive that stream. Since the DX can act as a SRT Listener for both the TX EP and RX EP it can be used as a firewall traversal. NB! That means however that DX have to have UDP ports opened inbound in to it. In addition it needs the same https and wss connections as a normal endpoint on port **443**.

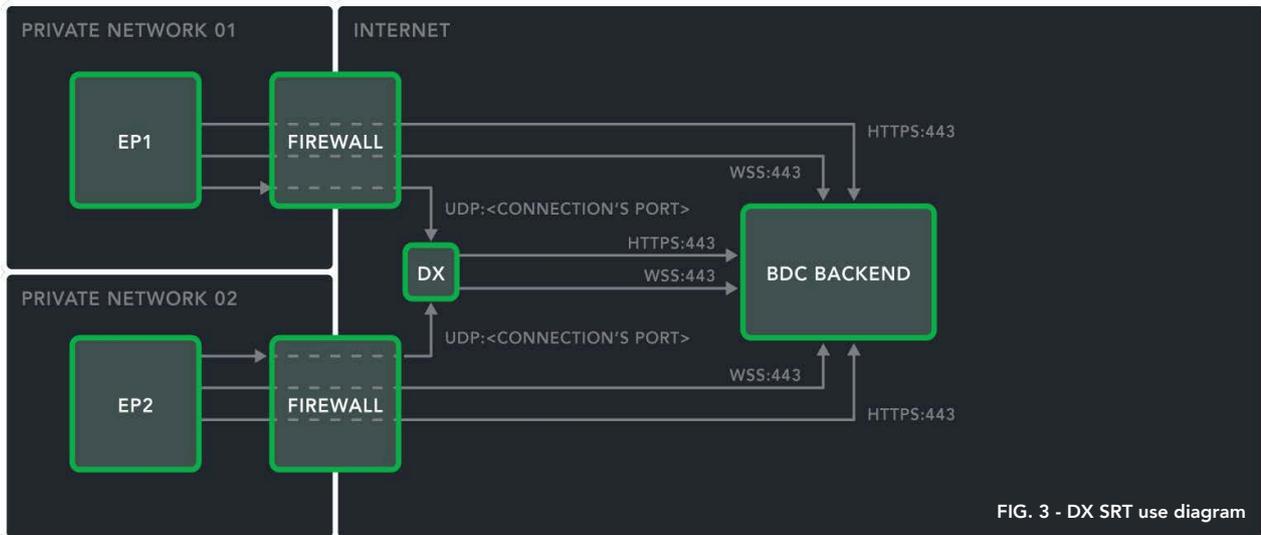


FIG. 3 - DX SRT use diagram

With **Connect WebStream** things get less transparent (Fig. 4). In addition to the BDC Backend, the daemon and the client browser also need to connect to the Company's configured TURN Server. The standard for this (STUN) is **UDP port 3478** or **TCP port 5349 if using TLS**. This however depends entirely on the Company's configuration (if they use their own TURN server).

The WebRTC peer connection that carries the stream then goes any possible way discovered by the TURN server and it might as well go the other way around (i.e. from the daemon to the browser). If a direct connection cannot be established, the TURN server relays all traffic. In this case both parties connect out to the TURN server.

It is to note that both parties might also be on the same network, the TURN server should then be able to discover a direct connection that doesn't traverse the internet.

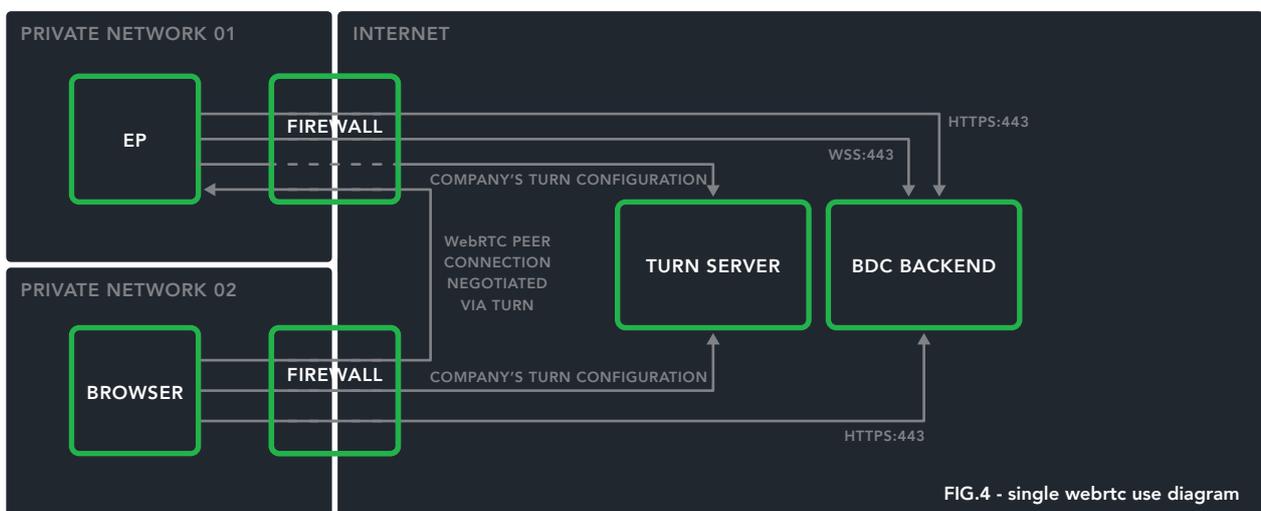


FIG.4 - single webrtc use diagram

Connect WebStream with the broadcast option (Fig. 5) again uses some more connections. Both the Endpoint and the browser need to connect to the Dolby.IO signaling server (director.millicast.com) on **TCP port 443**. The outgoing stream from the Endpoint again uses the Company's TURN server, the player in the browser however uses one provided by Dolby.IO.

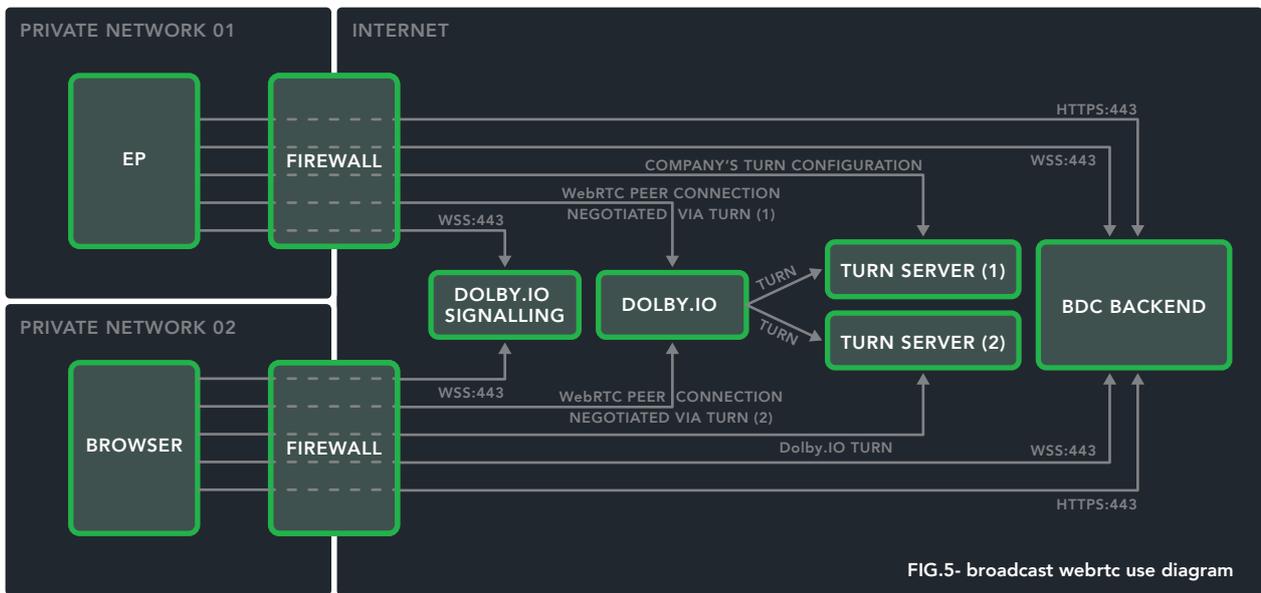


FIG.5- broadcast webrtc use diagram