

Set of Commands:

To Build binaries

```
ninja -C out/Default quic_server quic_client
```

To add certificate in trust store-

```
certutil -d sql:$HOME/.pki/nssdb -A -t "C,," -n QUIC-CA -i net/tools/quic/certs/out/2048-sha256-root.pem
```

```
certutil -d sql:$HOME/.pki/nssdb -A -t "C,," -n TCP-CA -i rootCA.pem
```

To cache websites-

```
wget -p --save-headers https://www.example.org
```

Manually edit index.html and adjust the headers:

- Remove (if it exists): "Transfer-Encoding: chunked"

- Remove (if it exists): "Alternate-Protocol: ..."

- Add: X-Original-Url: https://www.example.org/

To run client

```
./out/Default/quic_client --host=127.0.0.1 --port=6121 https://www.iana.org/
```

To run server

```
./out/Default/quic_server --quic_response_cache_dir=/tmp/quic-data/www.iana.org --  
certificate_file=net/tools/quic/certs/out/leaf_cert.pem --  
key_file=net/tools/quic/certs/out/leaf_cert.pkcs8
```

To Run Google Chrome as Client for Quic Server

```
google-chrome --user-data-dir=/tmp/chrome-profile --no-proxy-server --enable-quic --origin-to-  
force-quic-on=www.iana.org:443 --host-resolver-rules='MAP www.iana.org:443 127.0.0.1:6121'  
https://www.iana.org/
```

The TC command -

These commands added a delay of 30ms to all the localhost traffic

```
sudo ifconfig lo:1 127.0.10.10 netmask 255.0.0.0 up
```

```
sudo tc qdisc add dev lo:1 root netem delay 15ms
```