

## PUBLIC document

This document describes tentative instructions to run the web-platform-tests WebTransport over HTTP/3 server.

See also the [document](#) in the web-platform-tests.org.

The following instructions assume that you are using a Linux based operating system.

1. Follow the WPT System Setup [instructions](#). Don't forget to update the [hosts](#) file ([instruction](#)).
2. Clone the wpt repository.

```
$ git clone https://github.com/web-platform-tests/wpt.git
```

3. Install required Python libraries

```
$ cd wpt/tools/webtransport
$ pip3 install -r requirements.txt
```

4. Start the wpt server

```
# Go to the top directory of `wpt`
$ cd ../../
$ ./wpt serve --webtransport-h3
...
[2021-09-14 17:25:36,807 webtransport-h3 on port 33041] INFO - Starting
WebTransport over HTTP/3 server on web-platform.test:33041
...
```

Now the WebTransport server is running on port UDP 33041, among other test servers (HTTP on TCP 8000, HTTPS on TCP 8443 etc). **Note that the port is selected randomly and the port will be different on your machine.**

5. Run a test with Chrome

```
$ google-chrome-unstable --enable-experimental-web-platform-features
--ignore-certificate-errors-spki-list=E96AsZ3PMcFI5xG6oJ/Nf076oZfvooubw8n1RwZn0Jk=
--origin-to-force-quic-on=web-platform.test:0
https://web-platform.test:8443/webtransport/connect.https.any.html
```

(The current stable channel of Chrome has a bug regarding connection establishment. We suggest to use other channels to work around this issue)

You should see something like:

https://web-platform.test:8443/ x +

web-platform.test:8443/webtransport/connect.any.html

☆

## Summary

Harness status: **OK**

Found 7 tests

☒ 7 **PASS**

## Details

Result	Test Name	Message
PASS	WebTransport connection succeeds with status code 200	▶ Asserts run
PASS	WebTransport connection succeeds with status code 204	▶ Asserts run
PASS	WebTransport connection fails with status code 301	▶ Asserts run
PASS	WebTransport connection fails with status code 401	▶ Asserts run
PASS	WebTransport connection fails with status code 404	▶ Asserts run
PASS	Echo back request headers	▶ Asserts run
PASS	Cookie header is not echoed back	▶ Asserts run