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**.
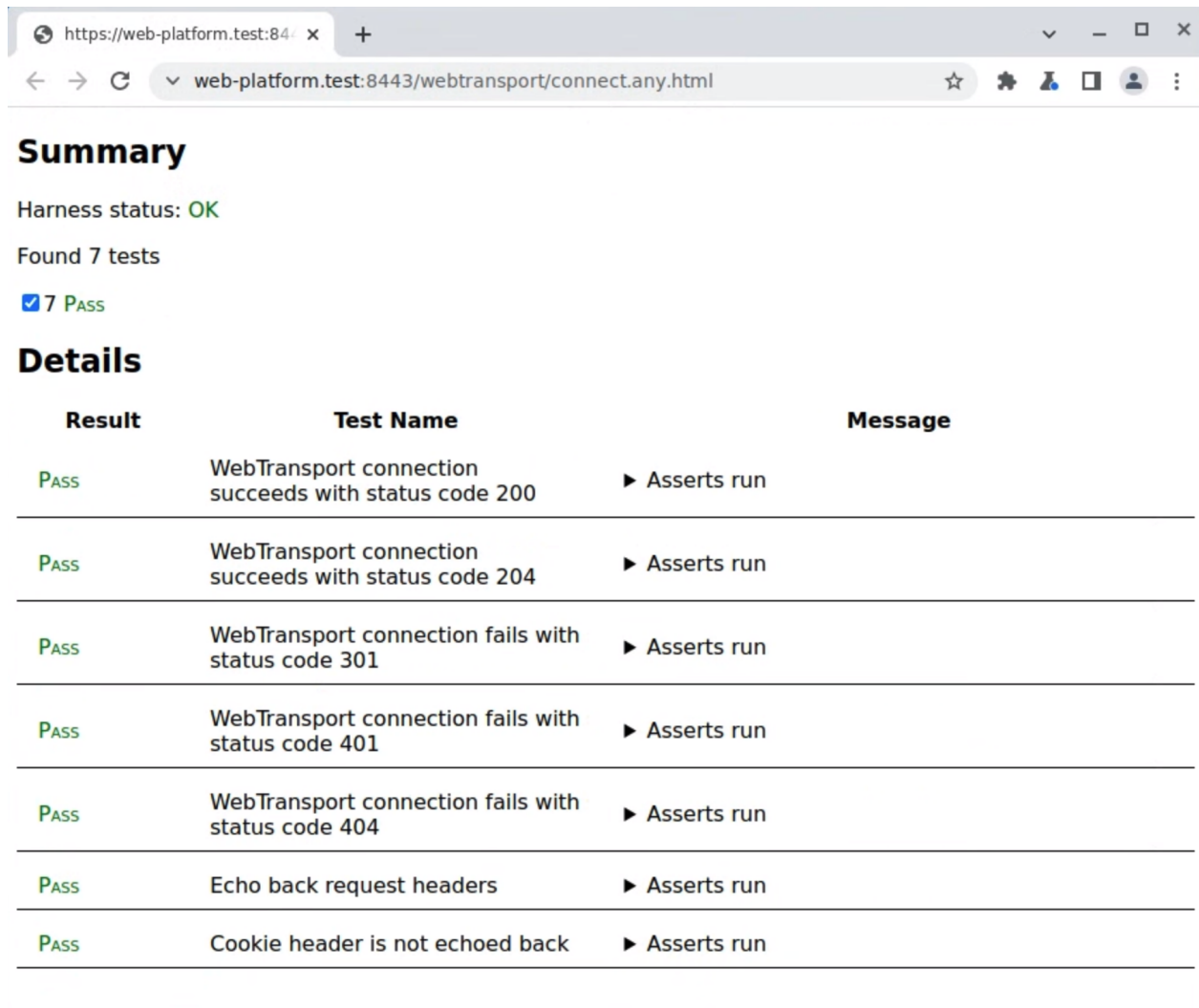
5. Run a test with Chrome

```
$ google-chrome-unstable --enable-experimental-web-platform-features
--ignore-certificate-errors-spki-list=KGfpbZyVqJ6ztPLyXNAGcQwsl5OT7ecOpTKsgd01bNM=
--origin-to-force-quic-on=web-platform.test:0
https://web-platform.test:8443/webtransport/connect.https.any.html
```

Note that the value of `--ignore-certificate-errors` can be updated. You can get the newest value at WPT_FINGERPRINT in

https://github.com/web-platform-tests/wpt/blob/master/tools/wptrunner/wptrunner/browsers/chrome_spki_certs.py.

(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: