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Install Pre-requisites for Hands on Technical Testing Workshop

We can install these as we go through the workshop, but I recommend trying to install early.

If you experience issues then let me know and we'll see if we can do some remote support over email prior to workshop:

alan@compendiumdev.co.uk

Install the test app

The test app is a small(ish), Java application which has bundled a webserver, a REST API app, some GUI apps and some games in one .jar file.

The Test App we will use is:

- <https://github.com/eviltester/TestingApp/releases>

Download

`compendium-of-test-apps-1-3-1.jar`

You don't need to 'install' it, just run it from wherever you want.

Run it from the command line by typing:

`'java -jar compendium-of-test-apps-1-3-1.jar'`

You should then see something like:

```
$ java -jar compendium-of-test-apps-1-3-1.jar
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
User : superadmin - 9cf66100-7e2c-40d2-bac1-7eccf3d90403
User : admin - d8aefef15-747a-4621-aad0-77bdf48c8c65
User : user - 0ebb65d3-bb16-4805-ab6e-32f110db37c7
Running on 4567
```

If it doesn't work because you do not have Java installed then visit [Java.com](http://www.java.com) and install Java

<https://www.java.com/en/>

Visit <http://localhost:4567> and you should see the GUI for the app.

Feel free to navigate around and use it if you want.

If you do experience issues then try an earlier version or let Alan know (alan@compendiumdev.co.uk)

Browsers

We will mainly use:

- Chrome browser
- Firefox browser

Feel free to install others if you want - all browsers have dev tools, but demos will use Chrome and Firefox.

If you already know Chrome and Firefox well then install another browser so that you can experiment with the dev tools of that browser during the workshop.

REST/HTTP Clients

We will use two main GUI REST clients during the workshop.

- Install Postman

<https://www.getpostman.com/>

- Install Insomnia REST Client

<https://insomnia.rest/>

Proxies

You will want a couple of Proxies to experiment with, and just in case the install for any is hard or doesn't work.

- Install an 'easy proxy' i.e. Fiddler (Windows) or Charles (Mac)
- Install an HTTP Security Testing Proxy - recommend Owasp Zap

You will need Java for BurpSuite, Owasp Zap and Charles.

On Windows install Telerik Fiddler

- <https://www.telerik.com/fiddler>
- [\[Free Download\]](#)

This is a 'simple' proxy that should work out of the box. Charles is very similar and works on Mac and Windows.

On Windows and Mac.

Install Owasp Zap - HTTP Security Testing Proxy

- <https://www.zaproxy.org/>

Install Charles proxy (mainly recommended for Mac, Fiddler for windows)

- <https://www.charlesproxy.com/>

Alan uses a Mac so we will be demoing charles but will have slides showing Fiddler.

Optional but Highly Recommended to make proxy configuration easier

Configuring proxies for browsers can be painful. I use the "Foxy Proxy Standard" browser extension to make it easier.

Install Foxy Proxy Standard Chrome extension

- <https://chrome.google.com/webstore/detail/foxyproxy-standard/gcknhkkoolaabfmInjonogaaifnjfnp>

or search for it at <https://chrome.google.com/webstore>

Install Foxy Proxy Standard Firefox Extension

- <https://addons.mozilla.org/en-US/firefox/addon/foxyproxy-standard/>

or search for it at <https://addons.mozilla.org>

Optional

Install Total Validator Pro Basic Version

- <https://www.totalvalidator.com/downloads/index.html>

Install BurpSuite Community Edition

- <https://portswigger.net/burp/communitydownload>