

Dan Billing: Web Application Security - A Hands on Testing Challenge

Hello!

Thanks for deciding to attend this workshop. We have a full day of great learning ahead of us, but so that we all have a smooth experience on the day, it would be really great if you could do some pre installation and configuration. The web applications will be available via a URL, however it would be helpful if you could install the the following applications and tools prior to the workshop.

Heroku

We will be using a live Heroku instance during this workshop, but should the wifi go down, we have some alternatives.

Please create your own Heroku login, available at <https://www.heroku.com/>

Docker

Install the appropriate version of Docker for your laptop, available from <https://www.docker.com/>

TicketMagpie

Start Docker on your machine. From a command line run:

```
docker pull danielbilling/ticketmagpie
```

The dependencies should install, then run

```
docker run -e "SPRING_PROFILES_ACTIVE=hsqldb" -p8080:8080  
"danielbilling/ticketmagpie"
```

Access the application from localhost:8080 in the browser.

OWASP Juice Shop

Full instructions for installing OWASP Juice Box can be found here:

https://www.owasp.org/index.php/OWASP_Juice_Shop_Project

Alternatively, from the command line run:

```
docker pull bkimminich/juice-shop
```

The dependencies should install, then run

```
docker run -d -p 3000:3000 bkimminich/juice-shop
```

Access the application from localhost:3000 in the browser.

Zed Attack Proxy

Install the appropriate stable version of ZAP from this URL:

<https://github.com/zaproxy/zaproxy/wiki/Downloads>

Cookie Editor

Install a cookie editor plugin to your favourite browser. I recommend:

<http://www.editthiscookie.com/>

Foxy Proxy

Install Foxy Proxy or a similar proxy switching tool into your favourite browser.

<https://getfoxyproxy.org/>

I would recommend having both Google Chrome and Mozilla Firefox browsers installed on your machines.