

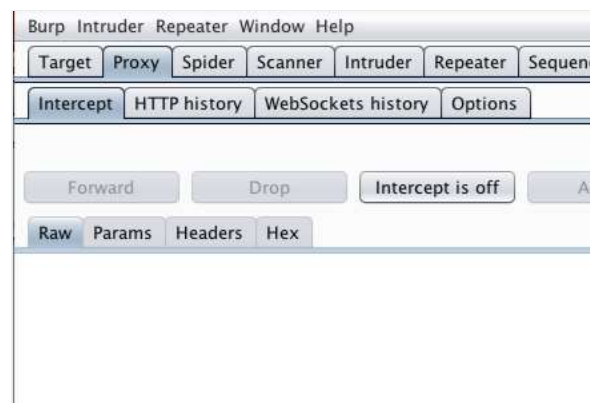
Using Burp Scanner to Find Cross-Site Scripting (XSS) Issues

XSS vulnerabilities occur when an application includes attacker-controllable data in a response sent to the browser without properly validating or escaping content. Cross-site scripting attacks may occur anywhere that an application includes in responses data that originated from any untrusted source.

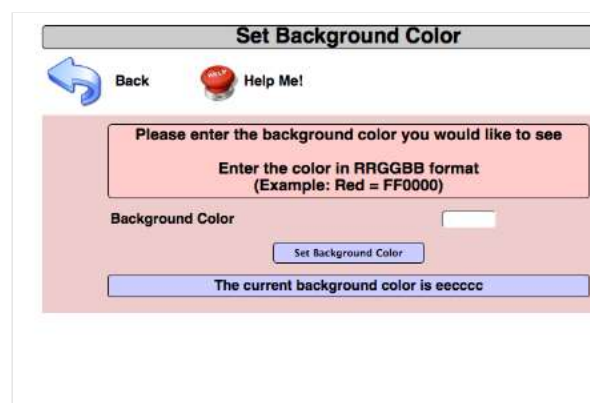
In this example we will demonstrate how to use Burp Scanner to test for XSS vulnerabilities. The example uses a version of "Mutillidae" taken from OWA Broken Web Application Project. [Find out how to download, install and use this project.](#)

First, ensure that Burp is correctly [configured with your browser](#).

With Burp **Proxy** "Intercept" turned off, visit the web application you are testing in your browser.

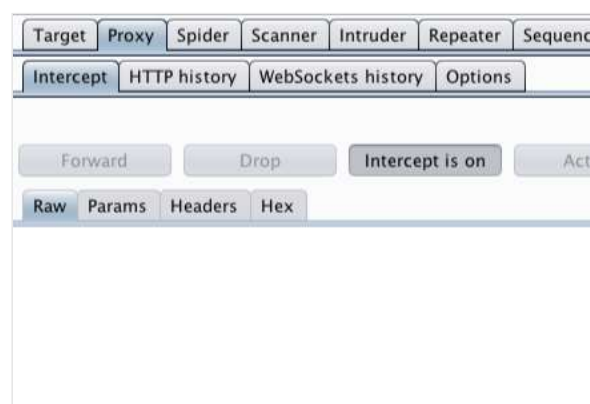


Visit the page of the website you wish to test for XSS vulnerabilities.

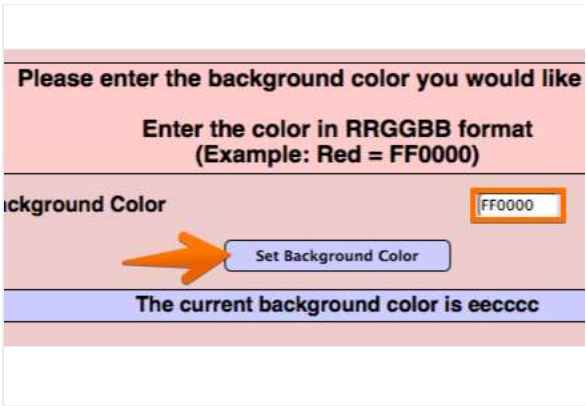


Return to Burp.

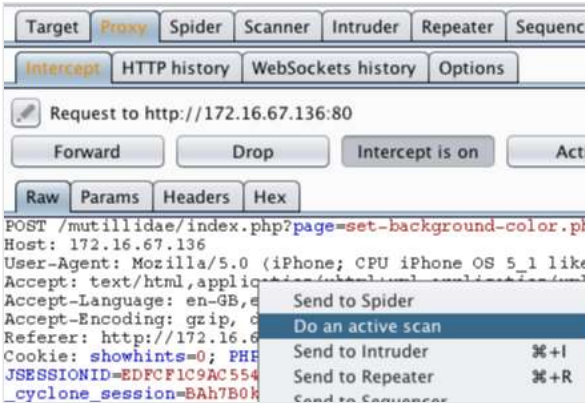
In the **Proxy** "Intercept" tab, ensure "Intercept is on".



Enter some appropriate input in to the web application and submit the request.

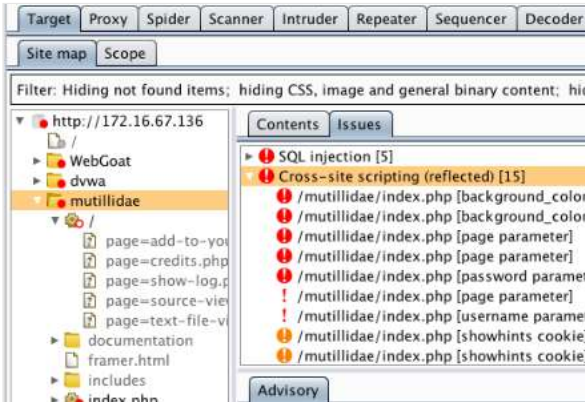


The request will be captured by Burp. You can view the HTTP request in the **Proxy** "Intercept" tab. Right click on the request to bring up the context menu and click "Do an active scan" to send the request to Burp **Scanner**.

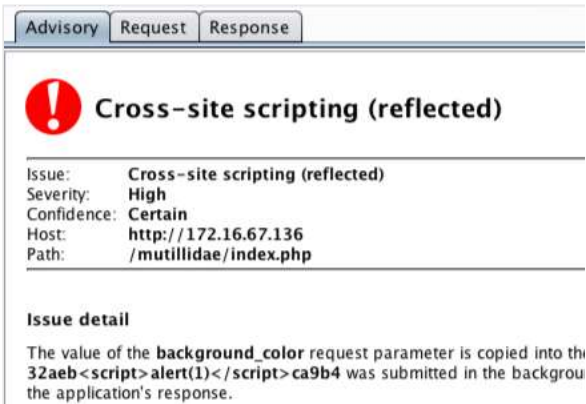


You can also locate the relevant request in various Burp tabs without having to use the intercept function, e.g. requests are logged and detailed in the "HTTP history" tab beneath the "Proxy" tab.

Once the scan is complete go to the Target "Site map" tab. In this example the **Scanner** found a number of **reflected XSS issues**. You can click on the arrow next to the issue to expand the section and view each individual issue.



After clicking on an individual issue the **Scanner** UI provides an advisory section regarding the specific issue. You can also view the request and response from the simulated attack.



Furthermore, you can send the request to Burp Repeater for manual examination of the issue.

AdvisoryRequestResponse

RawParamsHeadersHex

POST /mutillidae/index.php?page=set-background-color.g

Host: 172.16.67.136

User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5_1 like

Gecko) Version/5.1 Mobile/9B176 Safari/7534.48.3

Accept: text/html,application/xhtml+xml,application/

Accept-Language: en-GB,en-US;q=0.9;q=0.8;q=0.7;q=0.6;q=0.5;q=0.4;q=0.3;q=0.2;q=0.1

Accept-Encoding: gzip, deflate

Referer: http://172.16.67.136/

Cookie: showhints=0; PHPSESSID=EDFCF1C9AC554D--95a9c0b3bcbd47f63fb91

EkiEF9jc3JmX3Rva2VuBjsAR

D--95a9c0b3bcbd47f63fb91

Connection: keep-alive

Content-Type: application/javascript

Content-Length: 78

Send to Spider

Do an active scan

Do a passive scan

Send to Intruder

Send to Repeater

Send to Sequencer

Send to Comparer

Send to Decoder

Show response in browser

0:00 / 2:25

Related articles:

- Getting started with Burp Proxy
- Using Burp Repeater
- Getting started with Burp Scanner

Burp Suite

- Web vulnerability scanner
- Burp Suite Editions
- Release Notes

Vulnerabilities

- Cross-site scripting (XSS)
- SQL injection
- Cross-site request forgery
- XML external entity injection
- Directory traversal
- Server-side request forgery

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