

IFS4103 Lab 3:

Using Burp Suite's Repeater, Target, and Scanner

Notes:

- Once you have set up your Burp Proxy, you can utilize all Burp Suite's **other components**, such as **Burp Repeater**, **Target** (for target scoping), and **Scanner**.

Objectives:

For Lab 3, you want to perform the following tasks:

1. To resend (possibly modified) individual requests using **Burp Repeater**;
2. To specify your **target scope** in Burp Suite;
3. To scan a website for vulnerabilities using **Burp Scanner**.

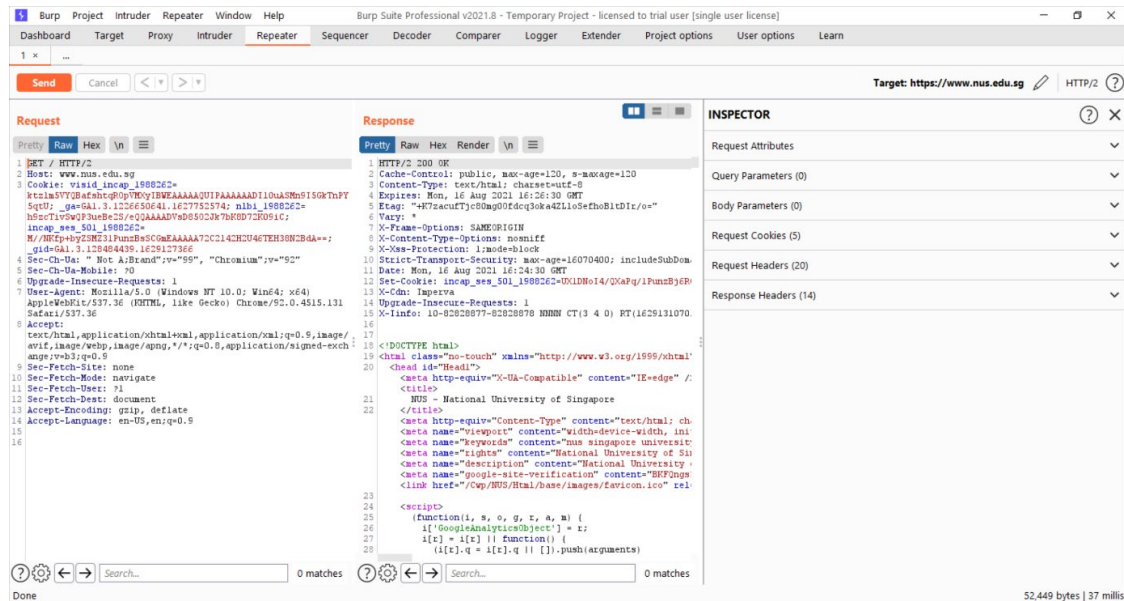
Task 1: Resending Requests using Burp Repeater

Please refer to the following video from PortSwigger, which is viewable on YouTube:

- “How to resend individual requests with Burp Repeater”:

https://www.youtube.com/watch?v=_Wifm2g9ugg

From observing the video, you should be able to use Burp Suite's Repeater in **resending client requests** as part of the pen-testing of your target sites. For your reference, a sample screenshot of the **Repeater's UI** is shown below.



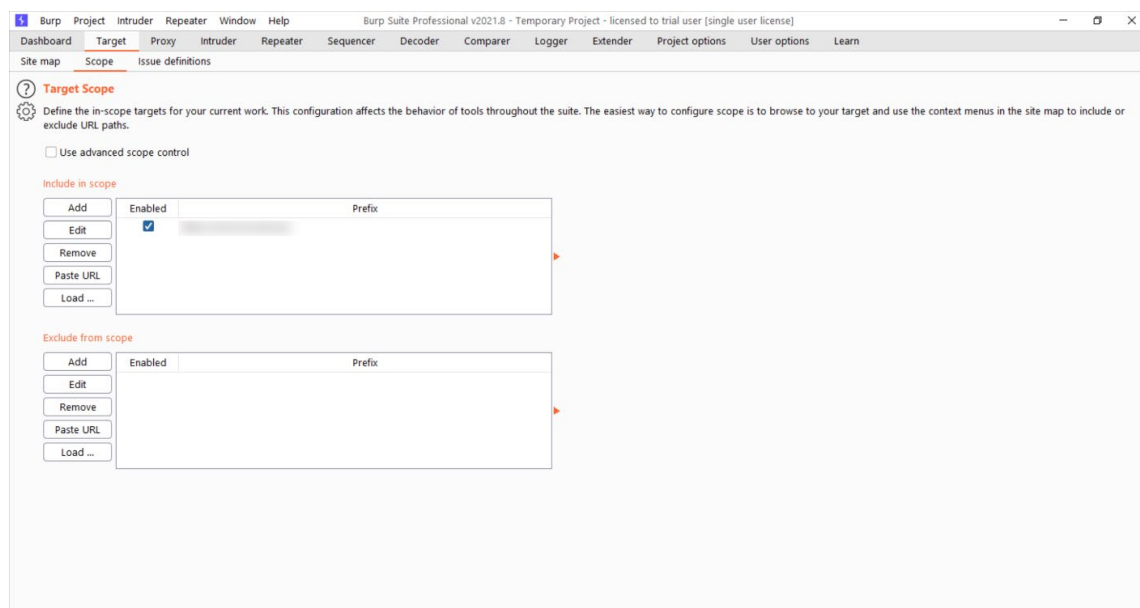
Task 2: Specifying Your Target Scope

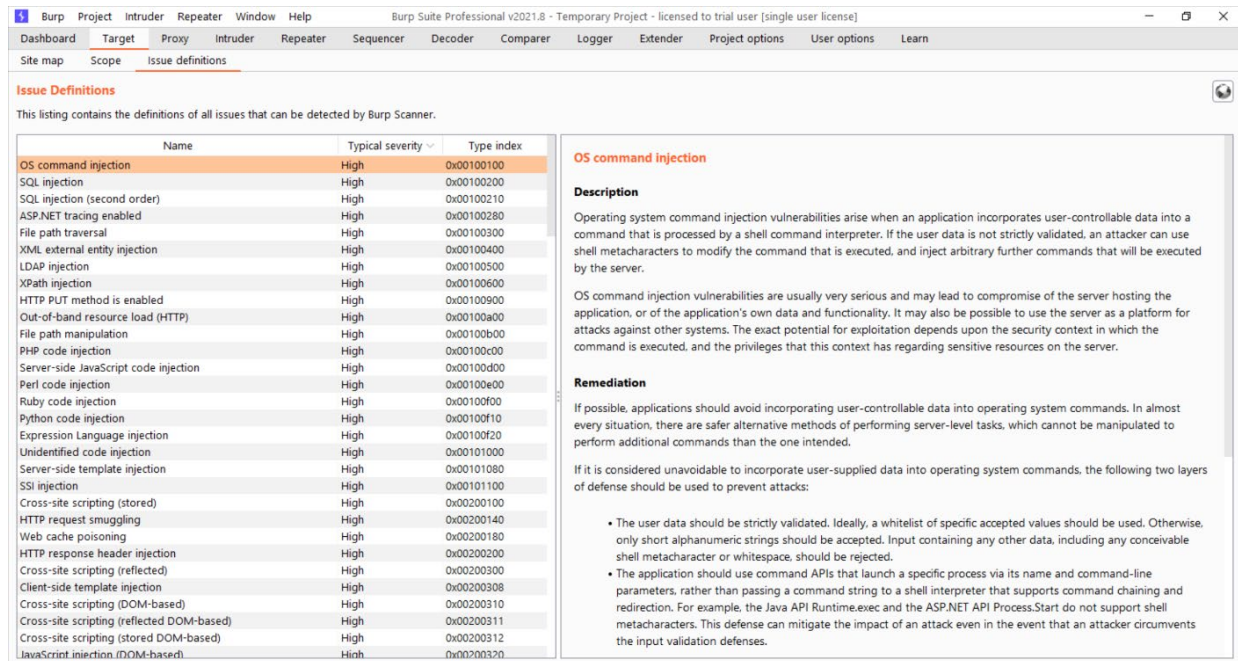
Please refer to the following video from PortSwigger viewable on YouTube:

- “How to use target scope in Burp Suite”:

<https://www.youtube.com/watch?v=0mTg2BsYVmg>

From observing the video, you should be able to **set your target scope** in the pen-testing of your target sites. For your reference, some sample screenshots of **Burp Suite’s Target tab** are shown below.





Task 3: Scanning a Target Website using Burp Scanner

Please refer to the following video from PortSwigger, which is viewable on YouTube:

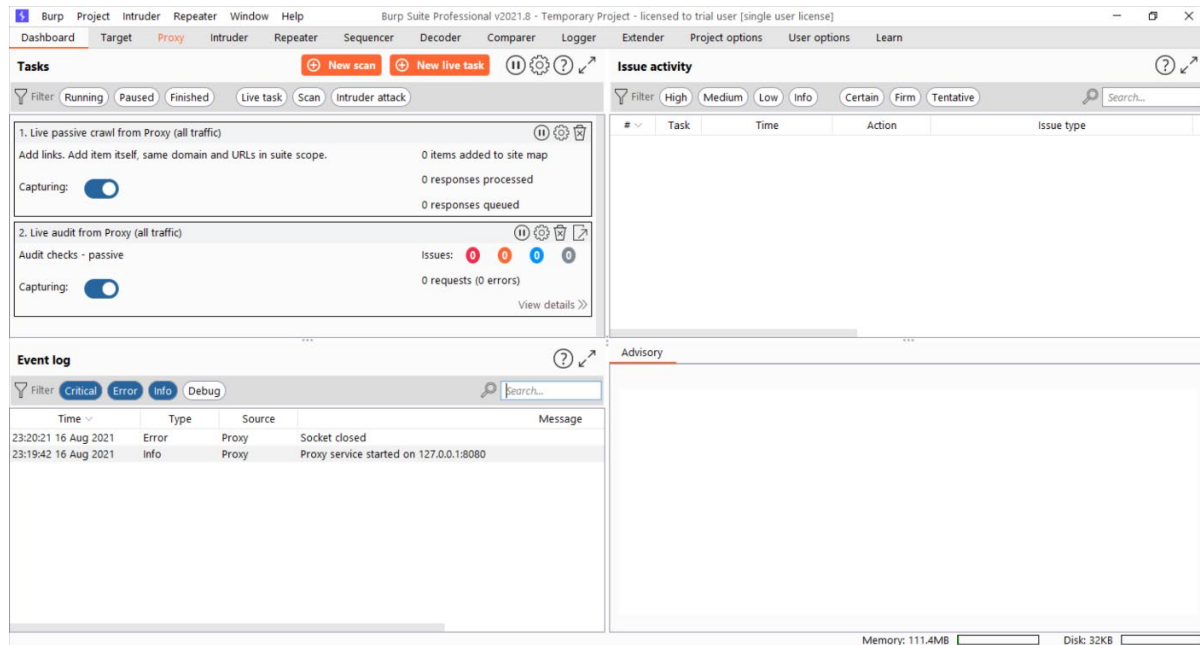
- “How to scan a website for vulnerabilities using Burp Scanner”:

<https://www.youtube.com/watch?v=VP9eQhUASYQ>

From observing the video, you should be able to **scan your target site for vulnerabilities** in your pen-testing work. Note that this step is *offensive* in nature, and should be done only on **target sites approved** for your pen-testing.

For your own practice, you can target a **vulnerable web application** (see Lab 2) running on a VM reachable from your Burp Suite.

A screenshot of **Burp Suite's Dashboard tab**, where the Scanner component can be invoked, is shown below for your reference.



For additional information on Burp's **automated scanning** feature, you can refer to the following relevant documentation pages:

- Launching scans – Running a **full crawl & audit**:
<https://portswigger.net/burp/documentation/desktop/automated-scanning/launching-scans/full-crawl-and-audit>
- Launching scans – Scanning **specific HTTP messages**:
<https://portswigger.net/burp/documentation/desktop/automated-scanning/launching-scans/scanning-specific-http-messages>
- Setting the **scan scope**:
<https://portswigger.net/burp/documentation/desktop/automated-scanning/setting-pro-scope>
- Configuring application logins – Adding **usernames & passwords**:
<https://portswigger.net/burp/documentation/desktop/automated-scanning/configuring-app-logins/adding-usernames-passwords>