

INTERCEPTING CLIENT-SIDE REQUESTS

Tool: Burp Suite

Burp Suite is a popular web vulnerability scanner and security testing tool developed by PortSwigger. It is primarily used by security professionals and developers to find and exploit vulnerabilities in web applications.

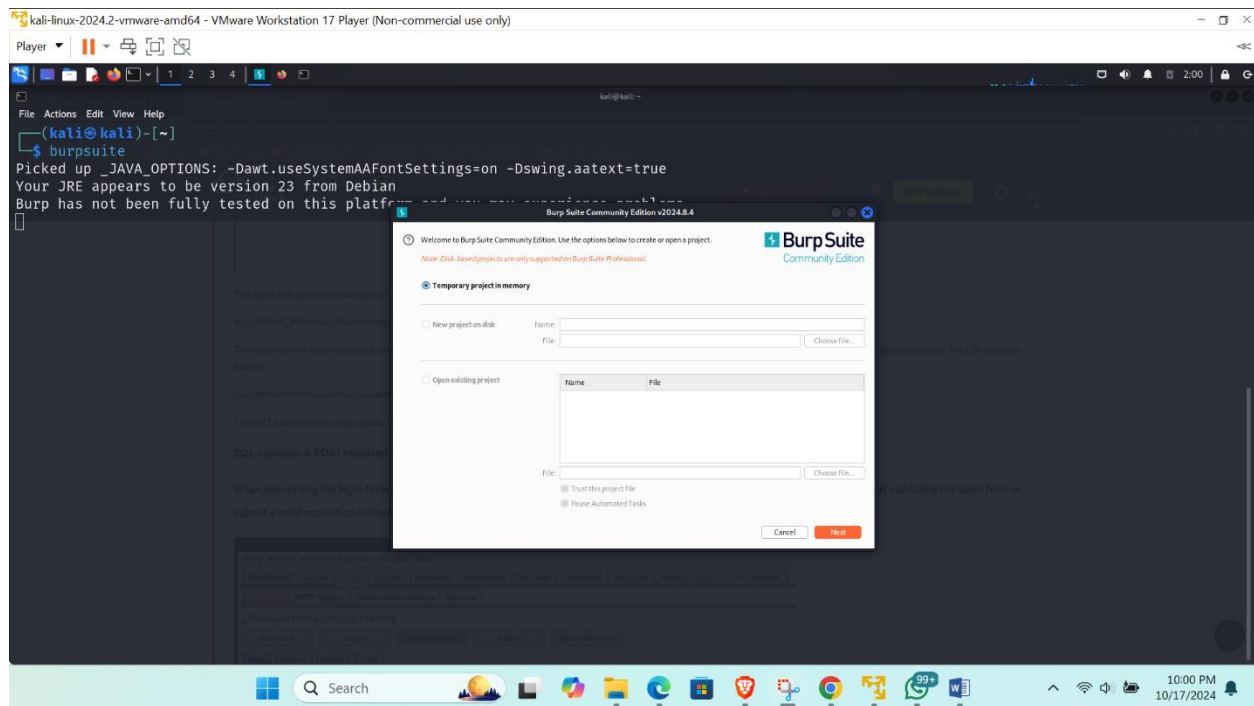
There are two main versions of Burp Suite:

- **Community Edition:** Free but has limited features.
- **Professional Edition:** Paid, with advanced features like automated vulnerability scanning and other premium tools.

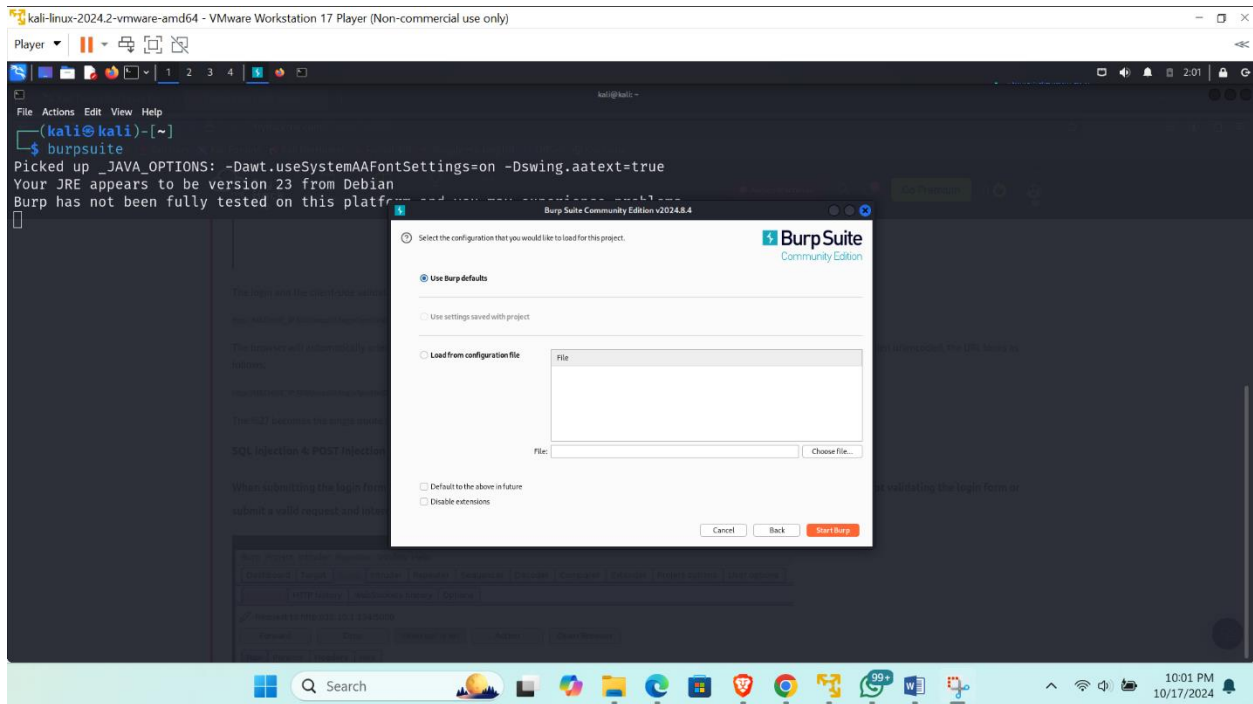
Task 1

Run “burpsuite” command in Kali terminal screen as “kali” user. Accept and update as required.

Once Burp is opened, choose “Temporary Project” from the list of options and click next.

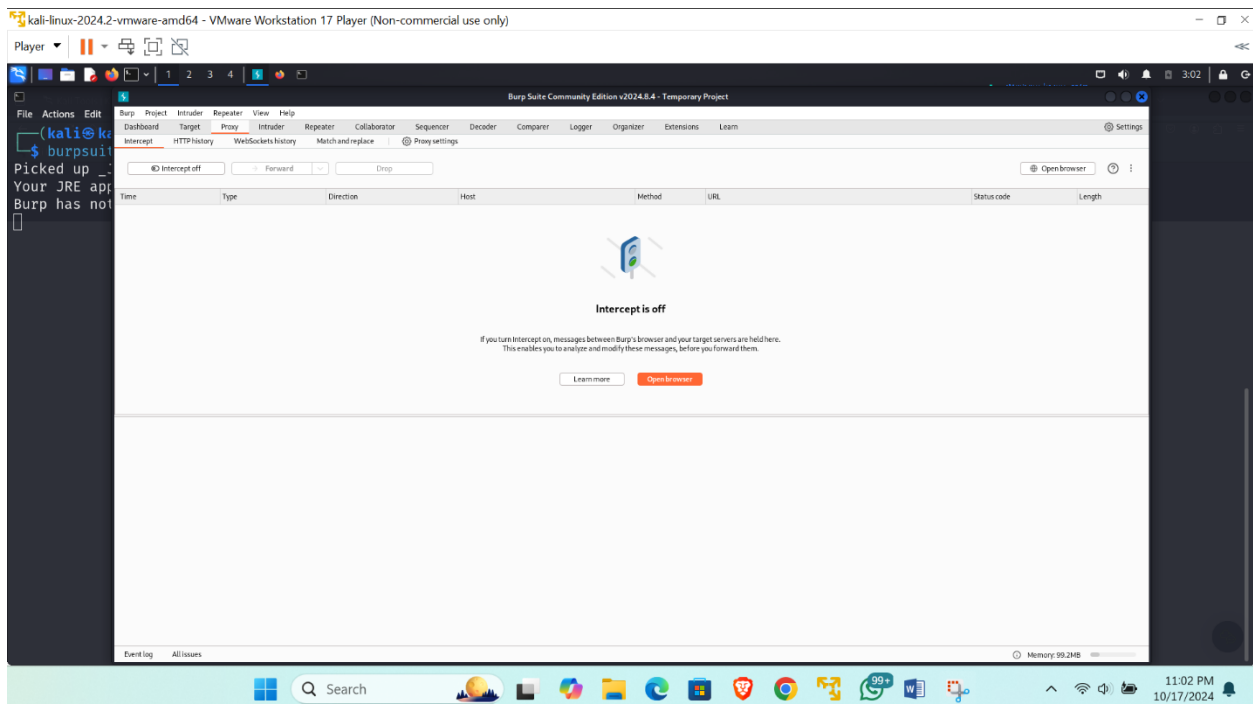


In the next screen, choose the option to setup Burp using Burp defaults, and then press “Start Burp”.



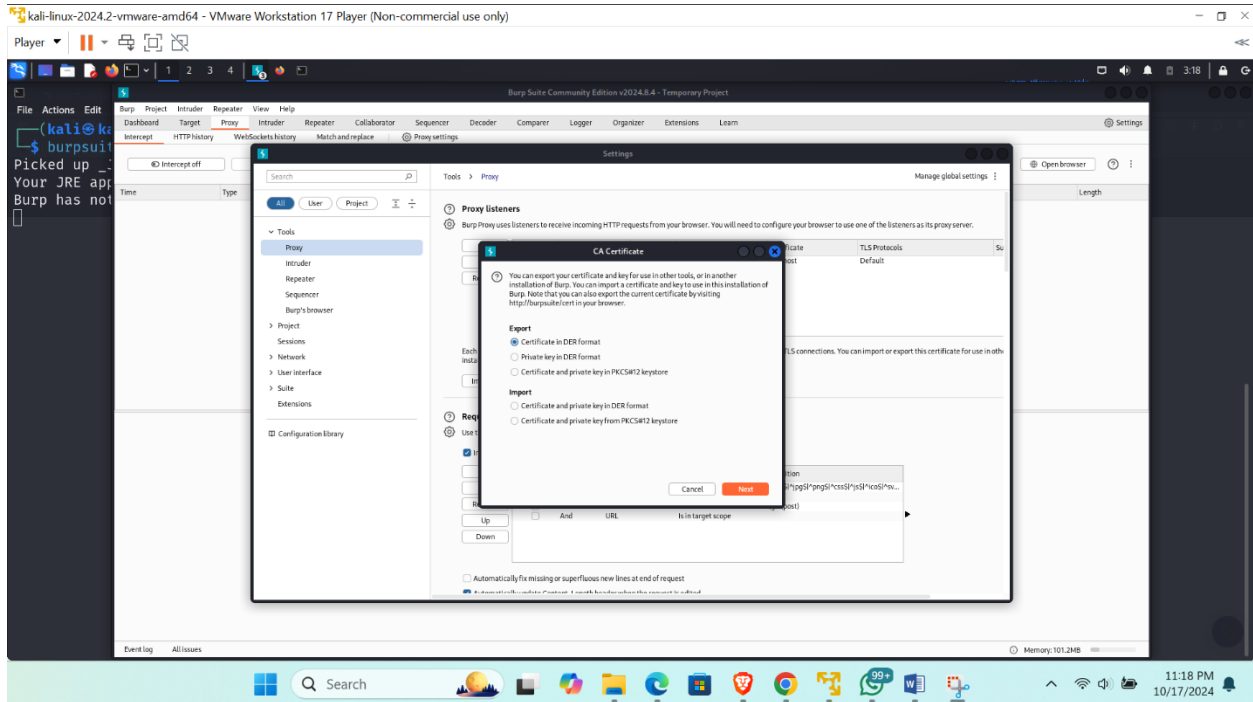
Task 2

Once Burp Suite is opened, you will see a lot of tabs and other information, but choose **proxy** and click on **intercept** and then off the intercept mode.

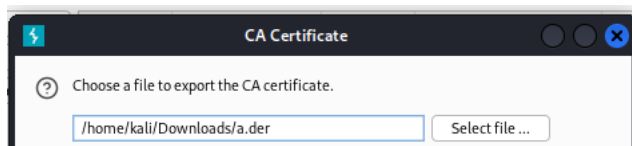


Task 3

We will begin by learning how to use Burp with Firefox. Navigate to the proxy tab, and then to the options tab. Then, click on “Import/export CA Certificate”. This is the certificate which will allow our browser to trust Burp Suite.

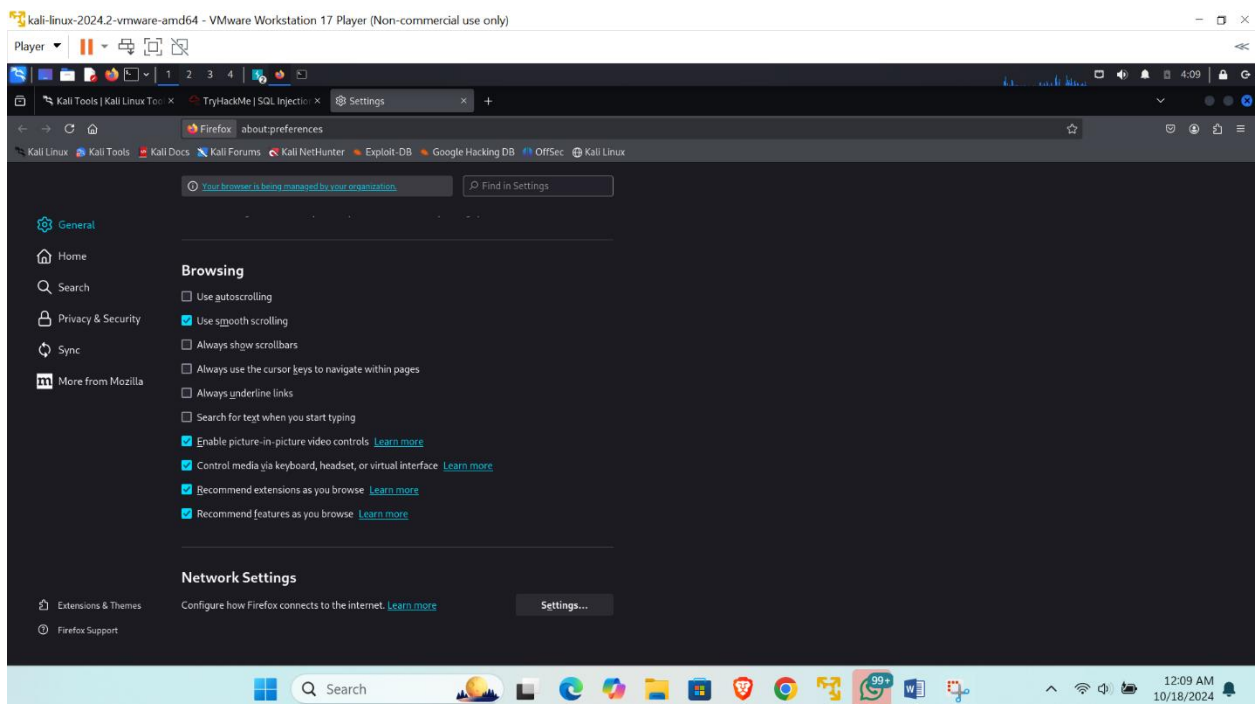
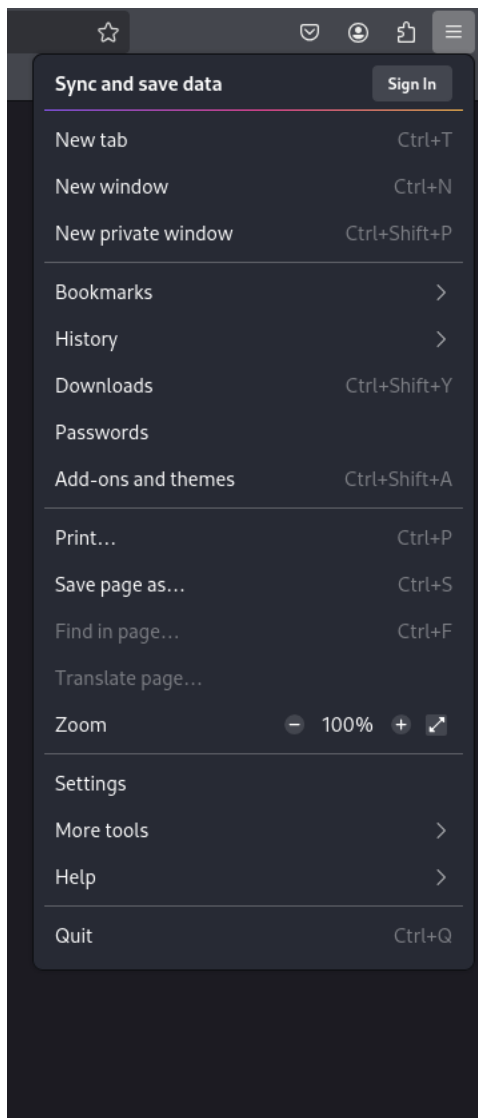


Then, browse to a location on your Kali VM where you want to save the file. It is important that, when you are saving the file, you save it with a .der extension, otherwise the file won't import correctly into Firefox.

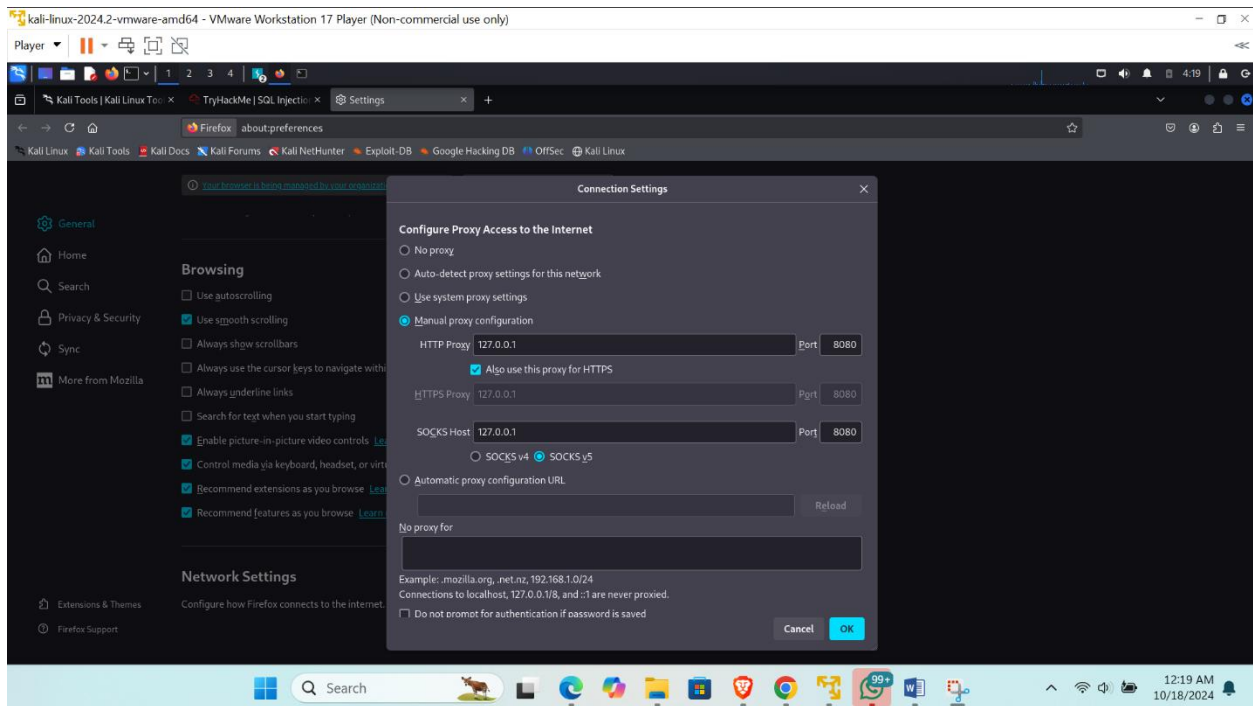


Task 4

Once this is done, open Web Browser (Firefox) in Kali and navigate to the options. Find “proxy” in Preferences’ search box. Click on the button called “Settings” under Network Settings.

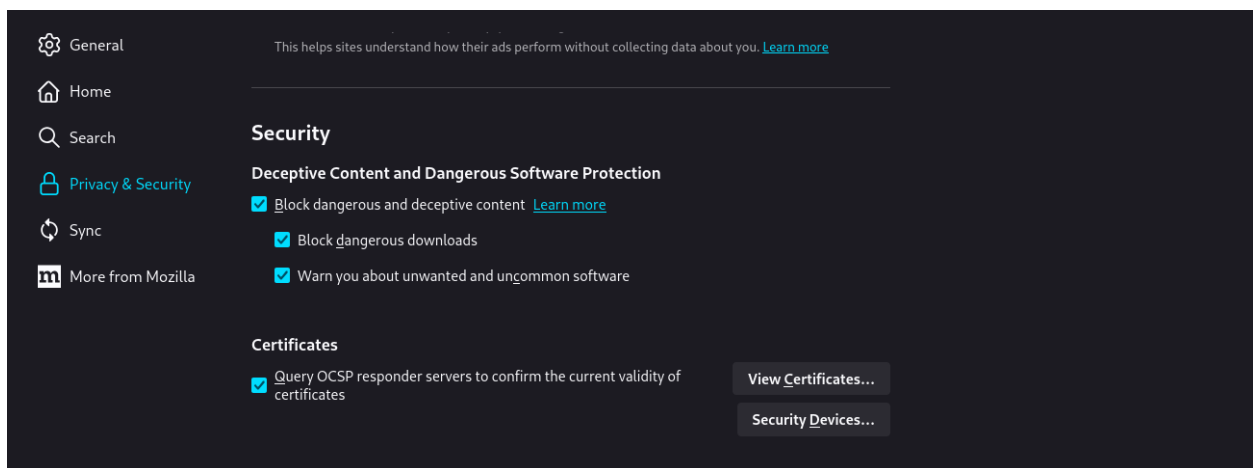


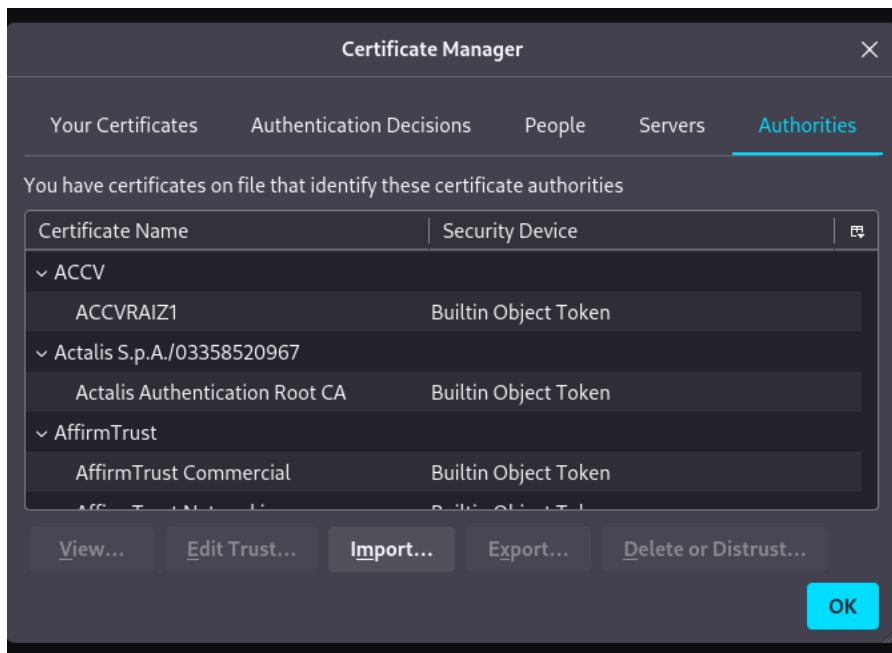
Then, click **Manual Proxy Configuration** and enter the following details:



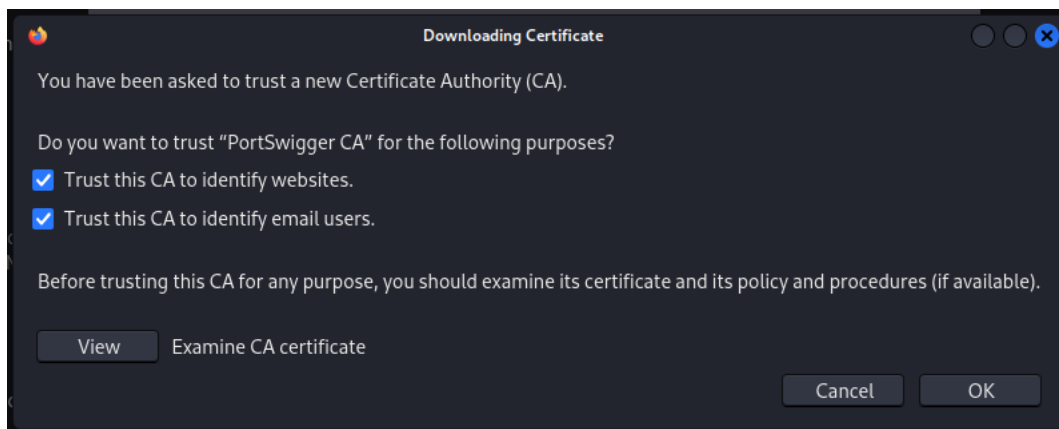
Task 5

Once this is done, navigate to the **Privacy & Security** tab and then to the **Certificates** section. This is where we will import the certificate from Burp we saved earlier. To do this, press on “**View Certificates**” and click on “**Import**”.





Navigate to the .der file that we saved earlier. Once selected, a box will pop up asking if you would like Burp Suite to be able to intercept emails and connections to websites. Select both options and click “Ok”.

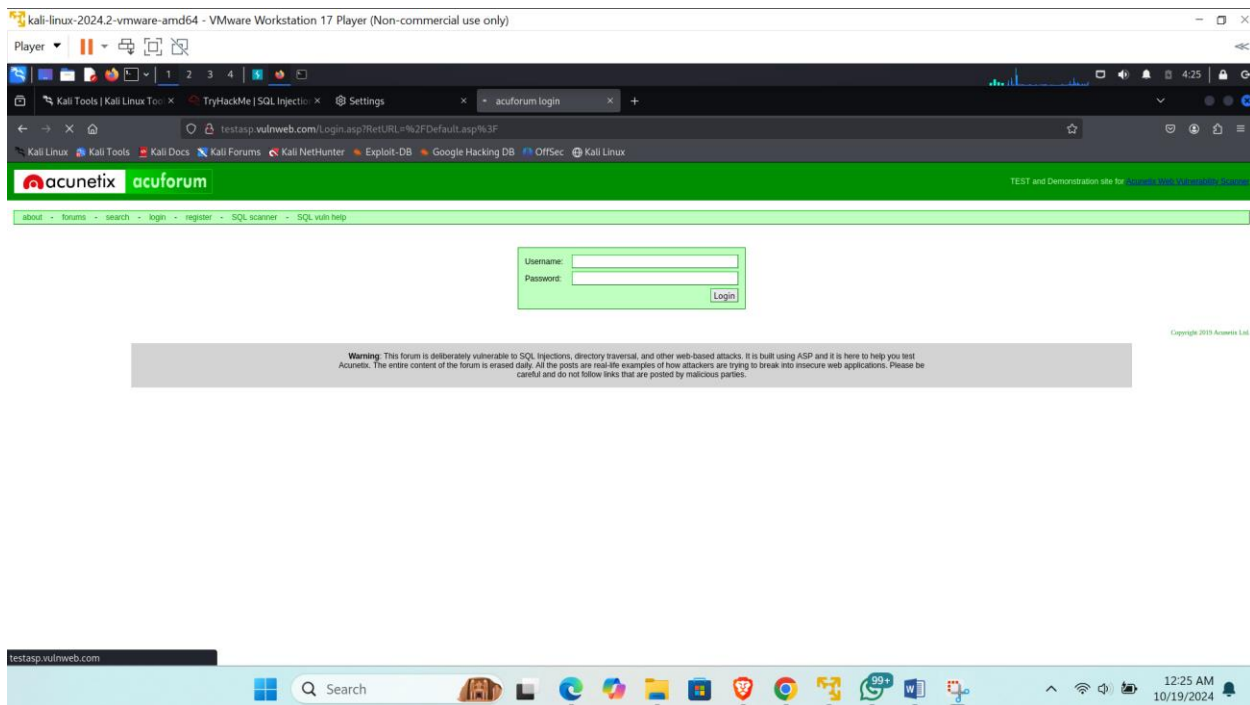


Task 6

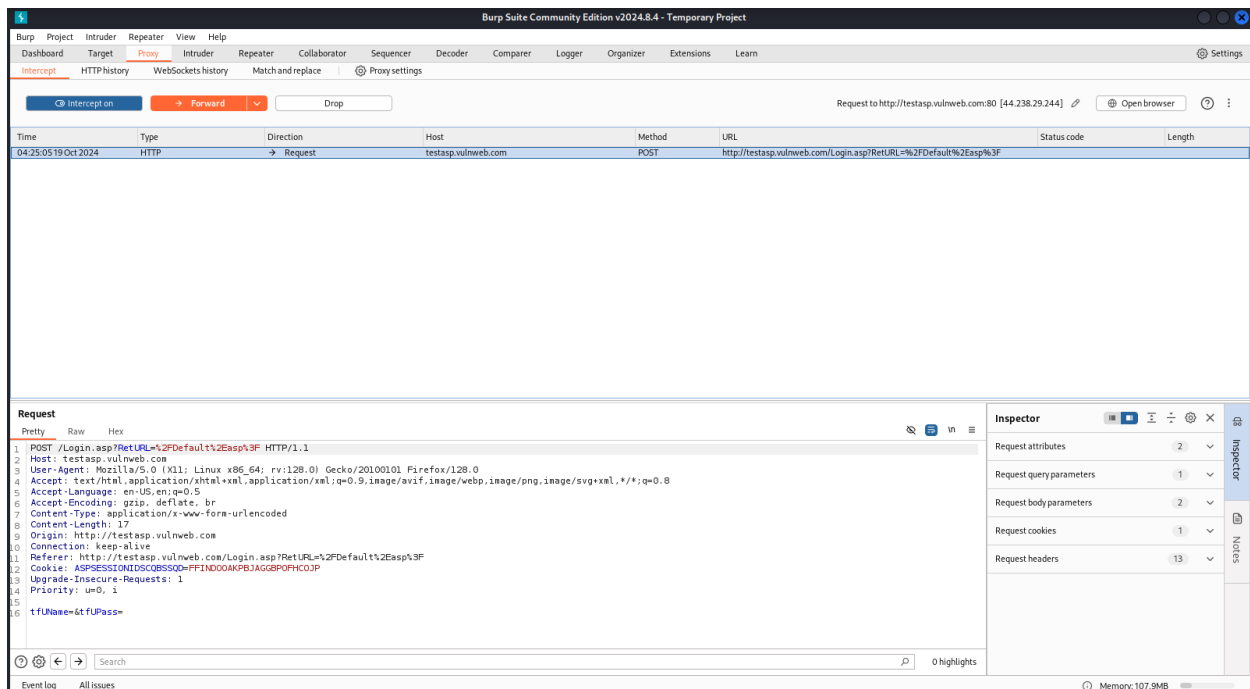
Once the web browser opens, navigate to the following site:

<http://testasp.vulnweb.com/Login.asp?RetURL=%2FDefault%2Easp%3F>

Once there, go back to Burp and turn ON intercept mode. Then, enter any username and password combination into the site and click “Login”. As you will see, the page will remain in a loading state. This is because Burp has now intercepted the request we sent to the server, and is holding it for us to manipulate.



Go back to Burp and you will find the intercepted request, along with the username and password data that we entered. To navigate through the different requests Burp is intercepting, simply press the “Forward” button to send the request to the server and view the next request.



Task 7

You can also alter any text portion of web traffic when Burb interception mode is ON. Try to change “tfUName=admin” and “tfUPass=none” and press the “Forward” button. Those are valid credentials for the green-colored page, and you will be granted access to the next page.

