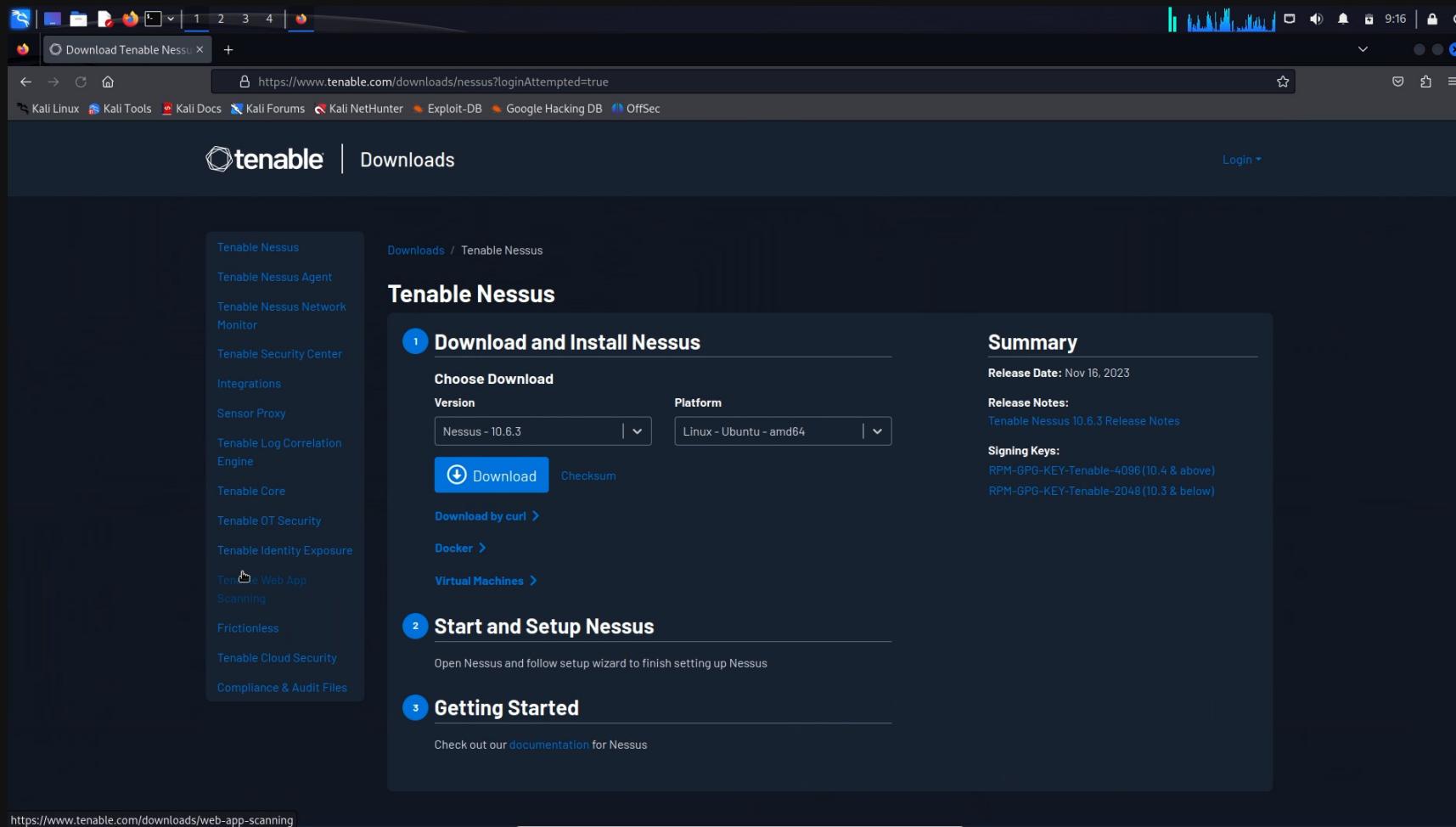




NEW WAY TO INSTALL NESSUS ON KALI LINUX

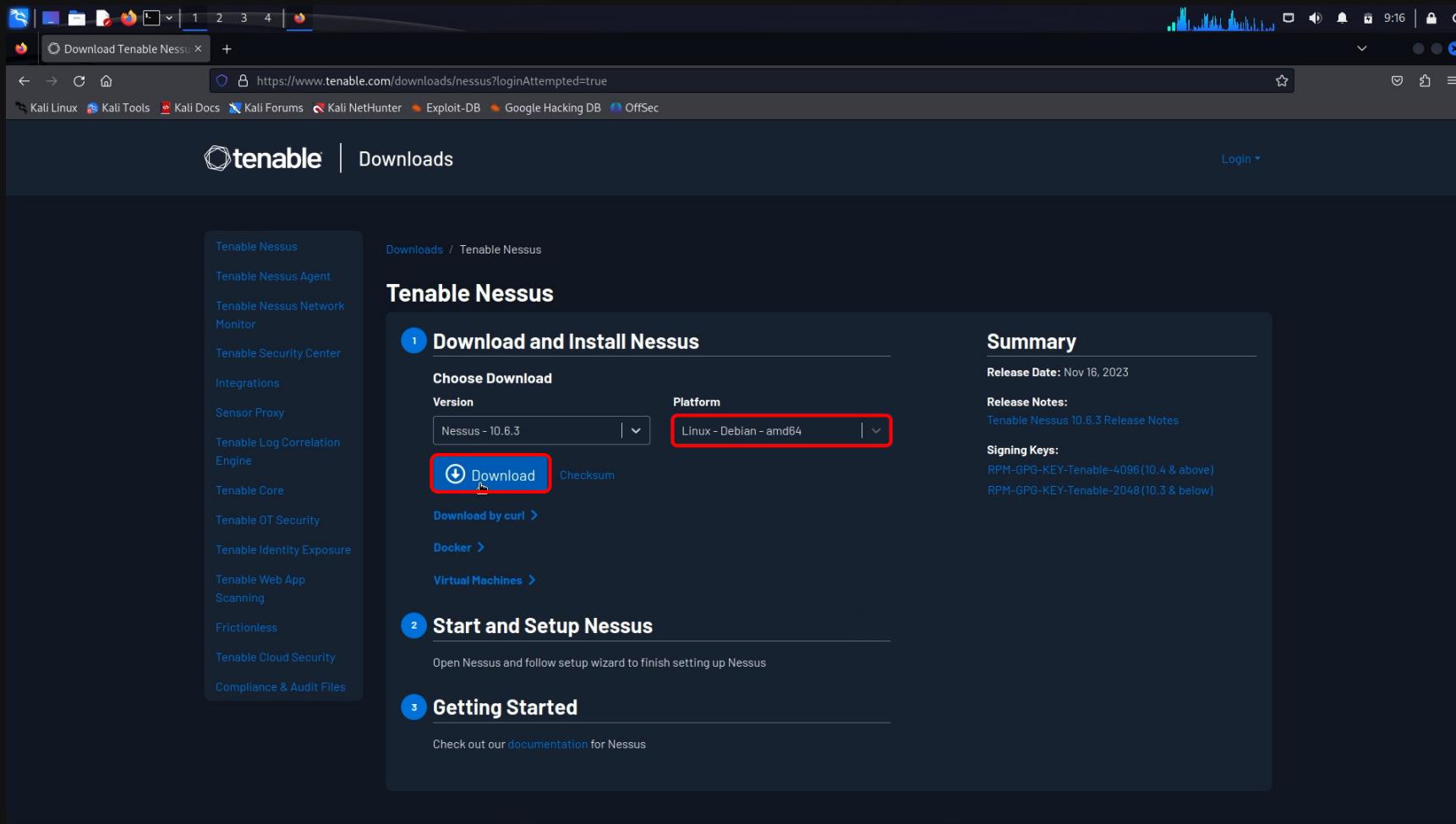
New way to install Nessus on Kali Linux

1. Go to website: <https://www.tenable.com/downloads/nessus?loginAttempted=true>



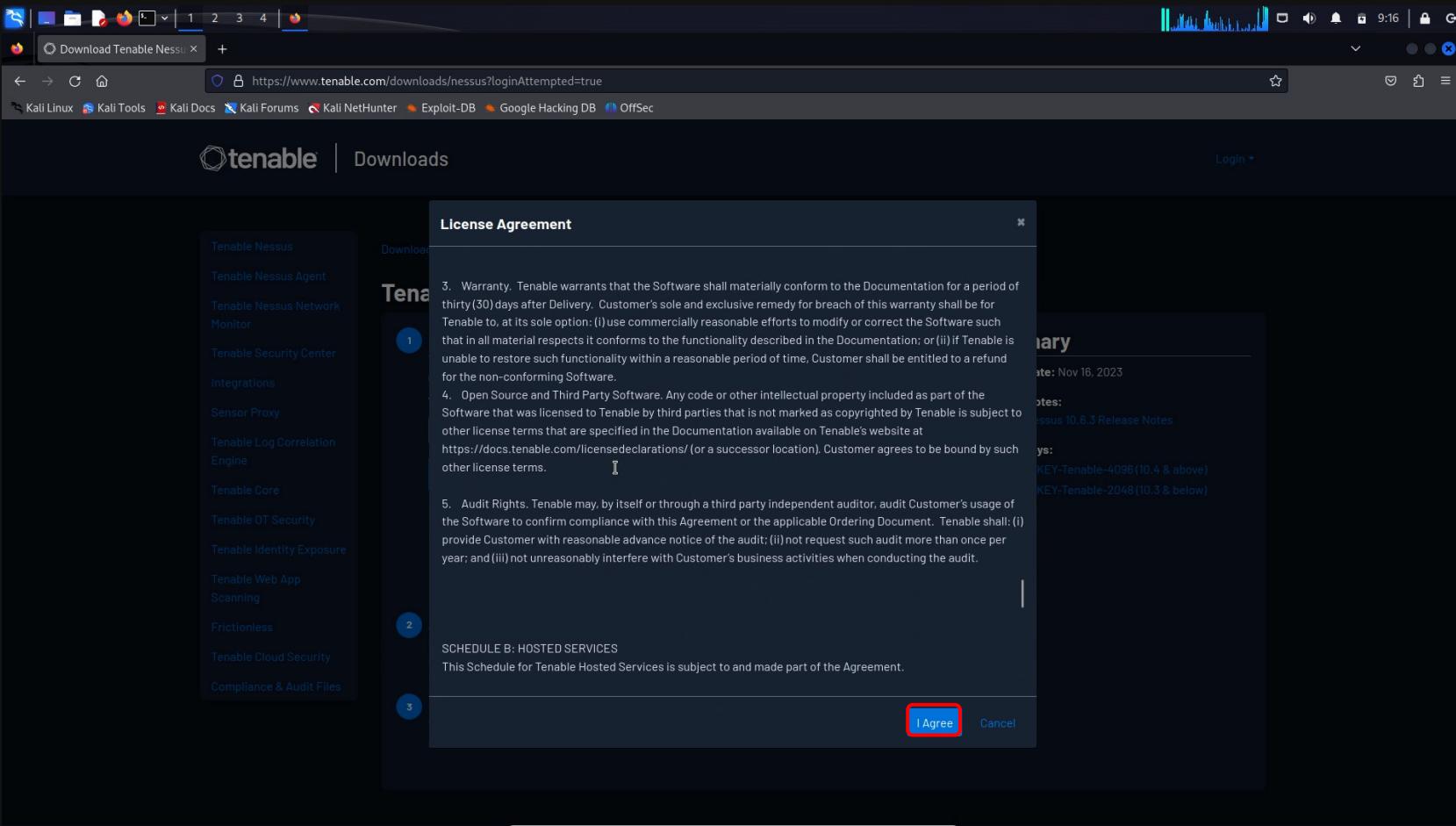
New way to install Nessus on Kali Linux

2. From Platform search for Linux - Debian – amd64 and download the file.



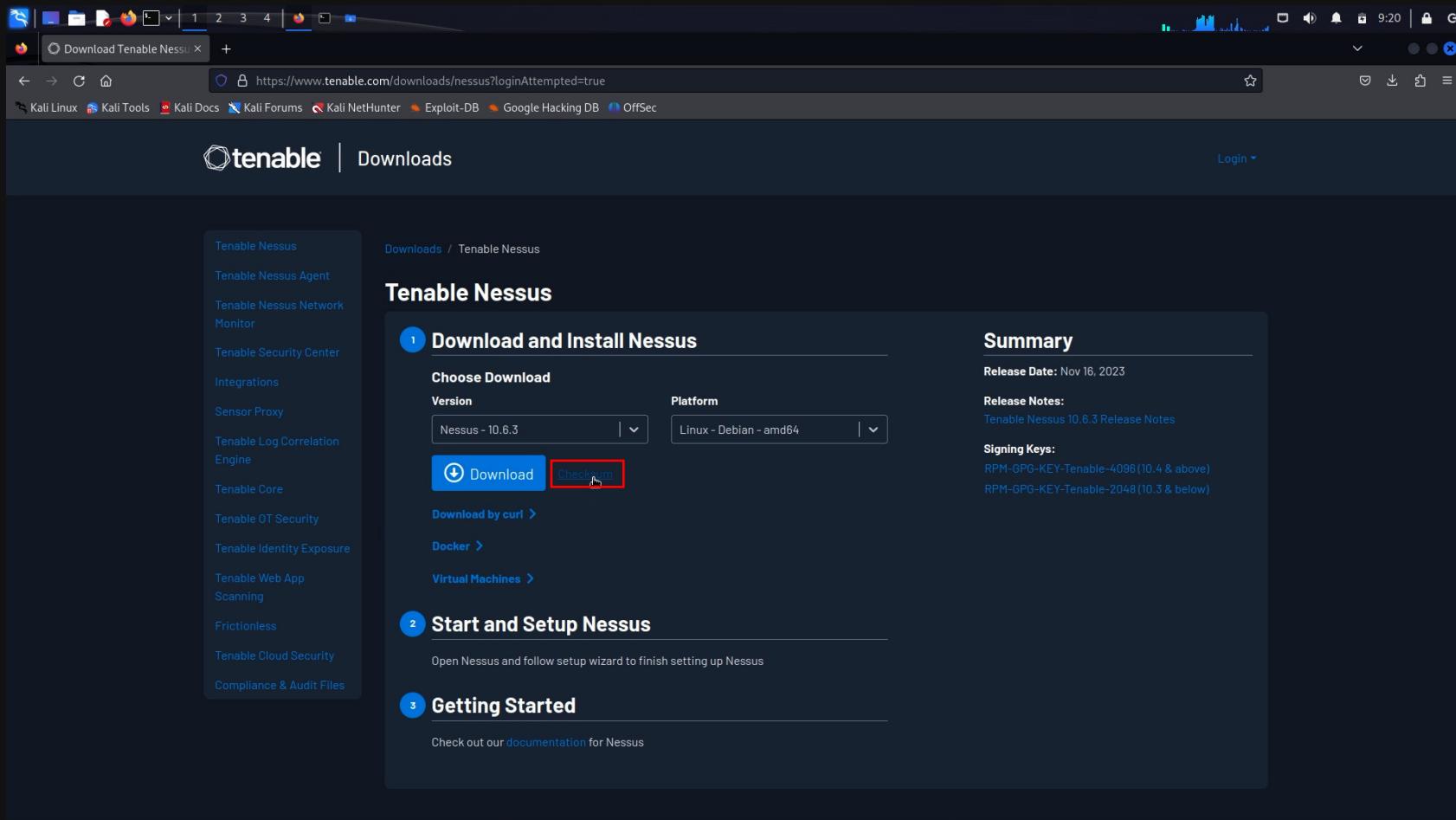
New way to install Nessus on Kali Linux

3. Agree to the License Agreement



New way to install Nessus on Kali Linux

4. Click on Checksum right next to the download button and copy the SHA256 checksum



New way to install Nessus on Kali Linux

The screenshot shows a Firefox browser window with the URL <https://www.tenable.com/downloads/nessus?loginAttempted=true>. The page displays the 'Tenable Nessus' download section. On the left, a sidebar lists various Tenable products. The main content area has a heading 'Tenable Nessus' and three numbered steps: 1. Download and Install Nessus, 2. Start and Setup Nessus, and 3. Getting Started. Step 1 contains a 'Choose Download' section with a 'Version' dropdown set to 'Nessus - 10.6.3'. It shows two checksums: 'MD5: 62fb1c45f285773c71273b0d84a038' and 'SHA256: 9b916de54b886e2a67a60ad32b5becccd7f334ab5859ffe940a100efe3ca8c6'. A red box highlights the SHA256 value. Below these are links for 'Download', 'Download by curl', 'Docker', and 'Virtual Machines'. To the right of the download section is a 'Summary' box containing the 'Release Date: Nov 16, 2023', a link to 'Release Notes', and download links for 'RPM-GPG-KEY-Tenable-4096 (10.4 & above)' and 'RPM-GPG-KEY-Tenable-2048 (10.3 & below)'. The browser's address bar shows 'Download Tenable Nessus'.



New way to install Nessus on Kali Linux

4. Open the ~/Downloads directory in the terminal and enter the following command (change the checksum and the Nessus version to the correct values):

```
echo "9b916de54b886e2a67a60ad32b5beccd7f334ab585f9ffe940a100efe3ca8c6 Nessus-10.6.3-debian10_amd64.deb" > sha256sum_nessus
```



New way to install Nessus on Kali Linux

The screenshot shows a Kali Linux desktop environment with a terminal window open in the foreground. The terminal shows the command:

```
(kali㉿kali)-[~/Downloads]$ ls
```

which lists the file:

```
Nessus-10.6.3-debian10_amd64.deb
```

Below the terminal, the user runs:

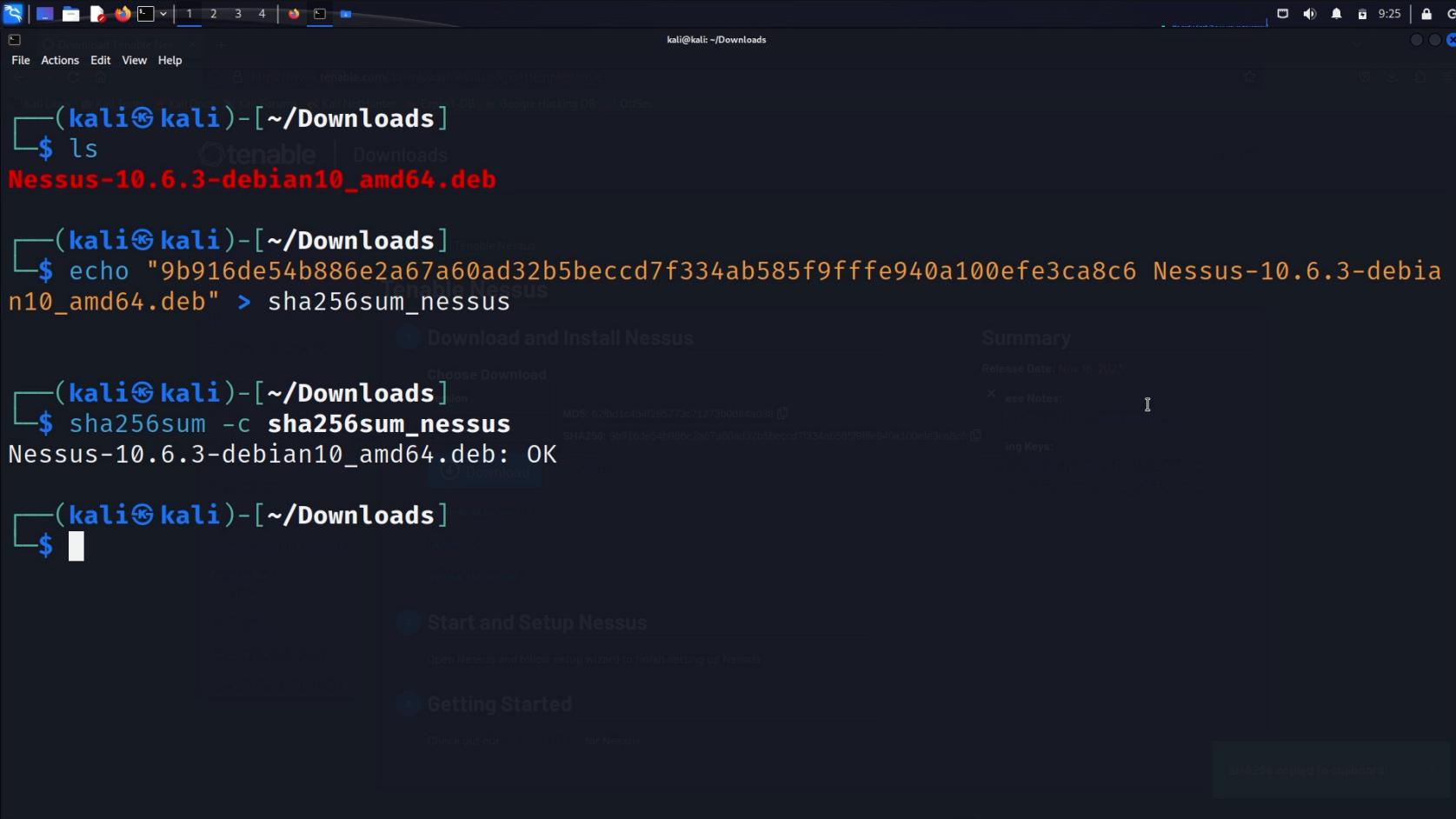
```
(kali㉿kali)-[~/Downloads]$ echo "9b916de54b886e2a67a60ad32b5becccd7f334ab585f9ffe940a100efe3ca8c6 Nessus-10.6.3-debian10_amd64.deb" > sha256sum_nessus
```

In the background, a web browser window is open to the Tenable Nessus download page. The page displays the Nessus 10.6.3 package information, including the MD5 and SHA256 checksums, which are also displayed in the terminal window.



New way to install Nessus on Kali Linux

5. Run the command sha256sum -c sha256sum_nessus



```
(kali㉿kali)-[~/Downloads]$ ls
Nessus-10.6.3-debian10_amd64.deb

(kali㉿kali)-[~/Downloads]$ echo "9b916de54b886e2a67a60ad32b5beccd7f334ab585f9ffe940a100efe3ca8c6 Nessus-10.6.3-debian10_amd64.deb" > sha256sum_nessus

(kali㉿kali)-[~/Downloads]$ sha256sum -c sha256sum_nessus
Nessus-10.6.3-debian10_amd64.deb: OK
```



New way to install Nessus on Kali Linux

6. Install Nessus by running the command: (change the Nessus version to the correct value):

```
sudo apt install ./ Nessus-10.6.3-debian10_amd64.deb
```

This will install Nessus.

The screenshot shows a terminal window on a Kali Linux desktop environment. The terminal is running in the Downloads directory. It displays the following commands and their output:

```
(kali㉿kali)-[~/Downloads]$ ls
Nessus-10.6.3-debian10_amd64.deb

(kali㉿kali)-[~/Downloads]$ echo "9b916de54b886e2a67a60ad32b5beccd7f334ab585f9ffe940a100efe3ca8c6 Nessus-10.6.3-debian10_amd64.deb" > sha256sum_nessus
Tenable Nessus

(kali㉿kali)-[~/Downloads]$ sha256sum -c sha256sum_nessus
Nessus-10.6.3-debian10_amd64.deb: OK
Tenable Nessus

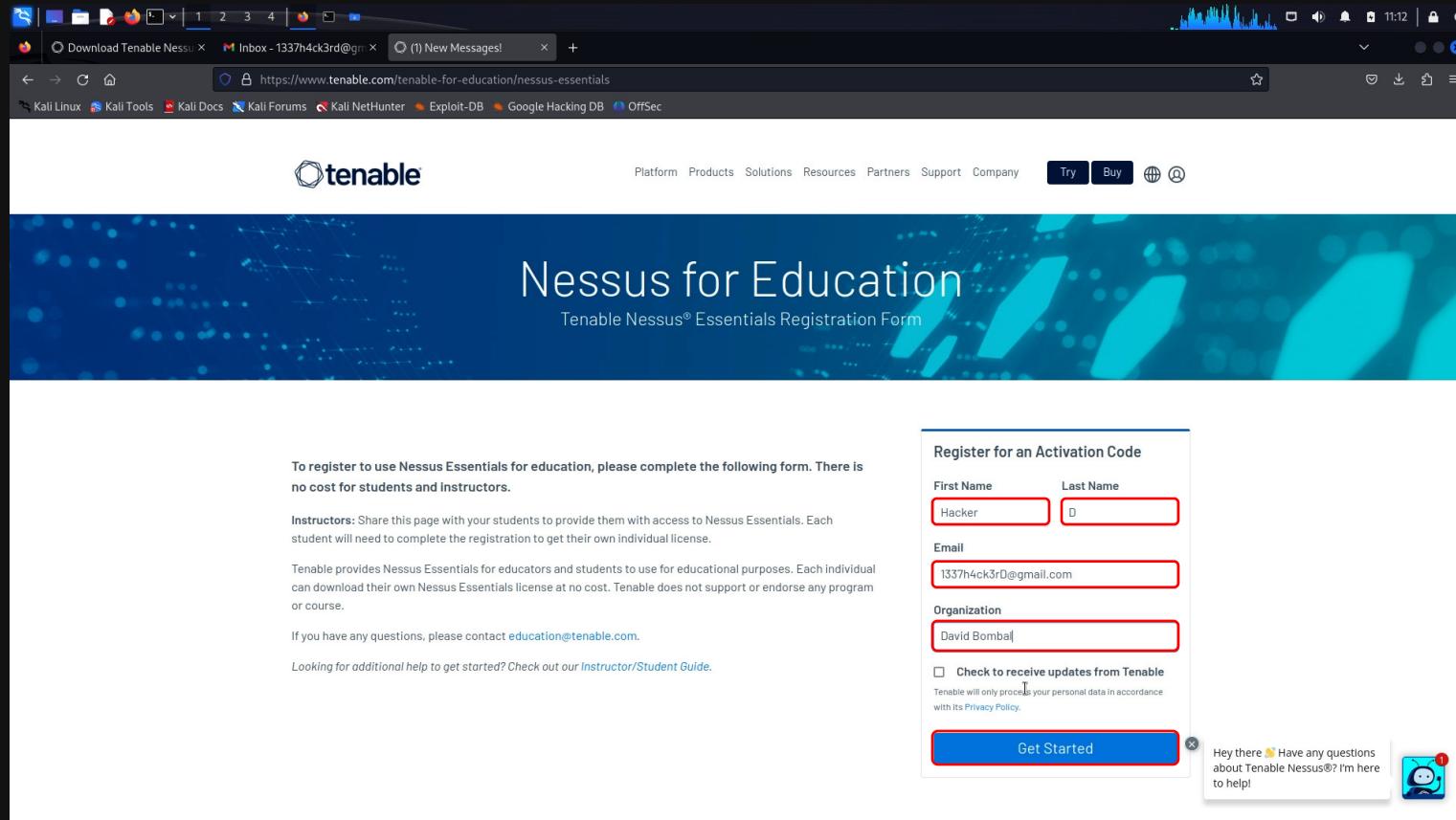
(kali㉿kali)-[~/Downloads]$ sudo apt install ./Nessus-10.6.3-debian10_amd64.deb
```

A summary window for the Nessus package is visible in the background, showing the release date as Nov 10, 2023, and the SHA256 hash as 9b916de54b886e2a67a60ad32b5beccd7f334ab585f9ffe940a100efe3ca8c6.



New way to install Nessus on Kali Linux

7. You will now need to go to the following website: <https://www.tenable.com/tenable-for-education/nessus-essentials> fill in your details and click Get Started.



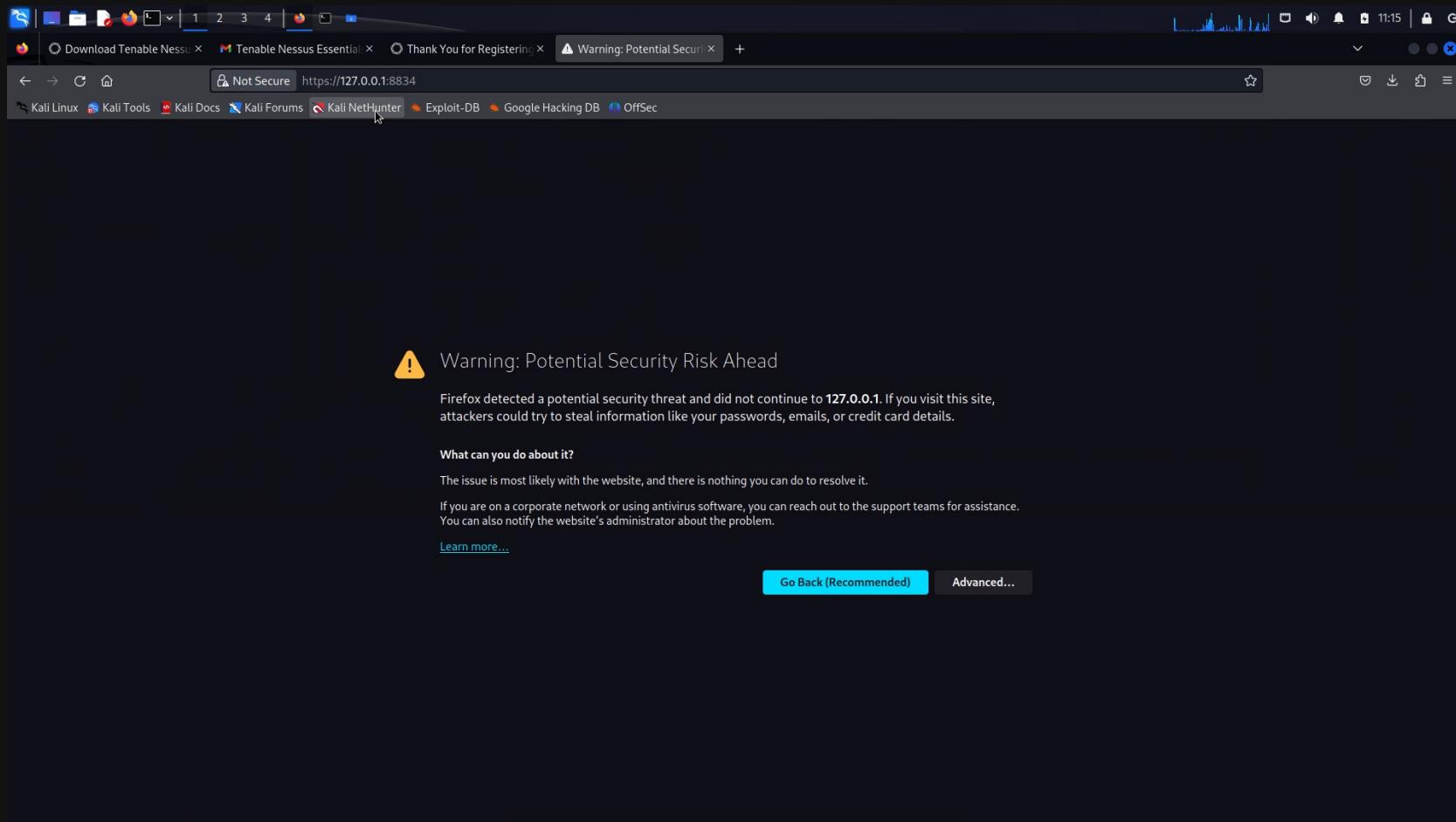
New way to install Nessus on Kali Linux

8. Open the terminal and run the command `sudo systemctl start nessusd.service`



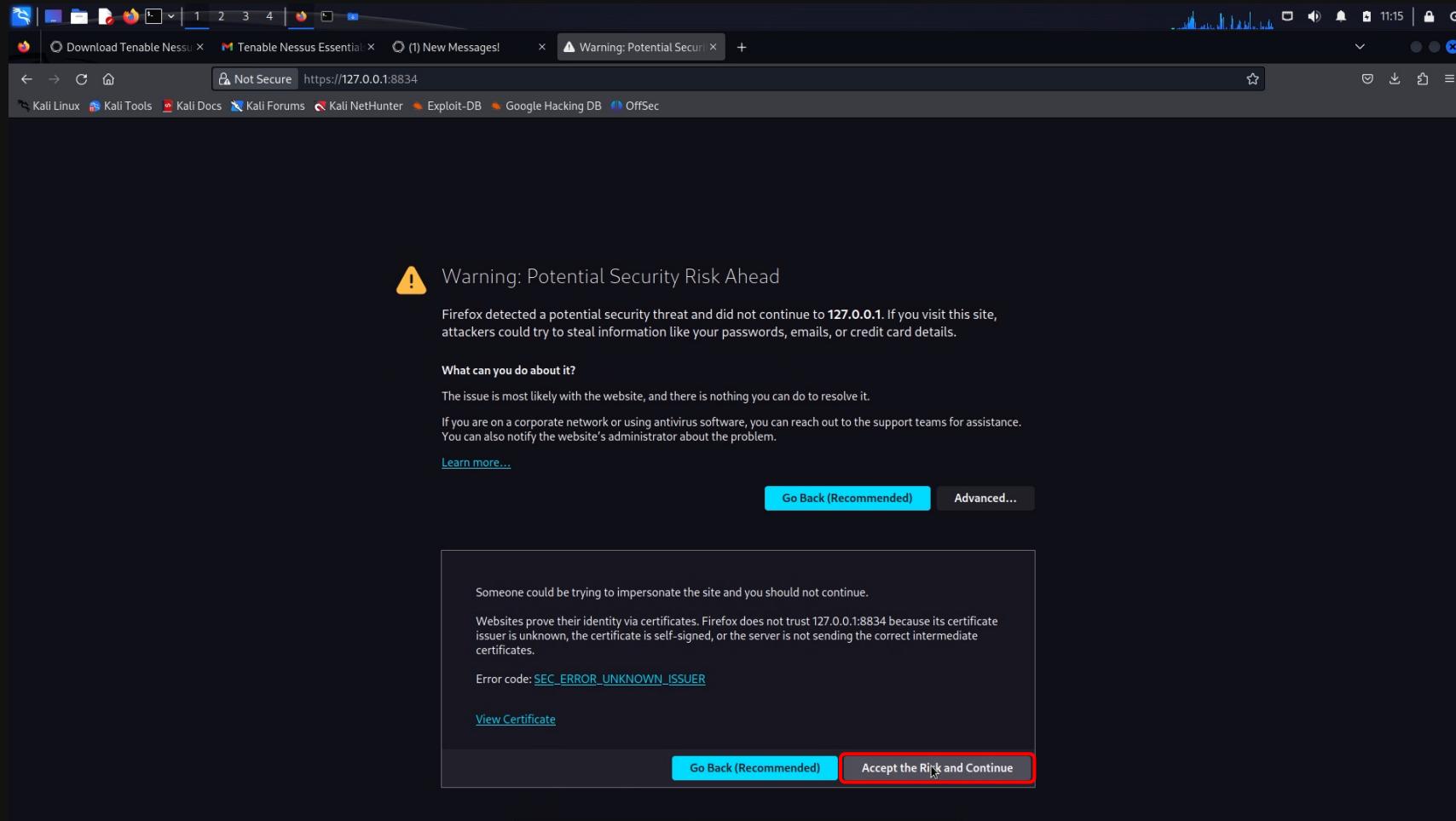
New way to install Nessus on Kali Linux

9. Enter the address <https://127.0.0.1:8834> in your browser.



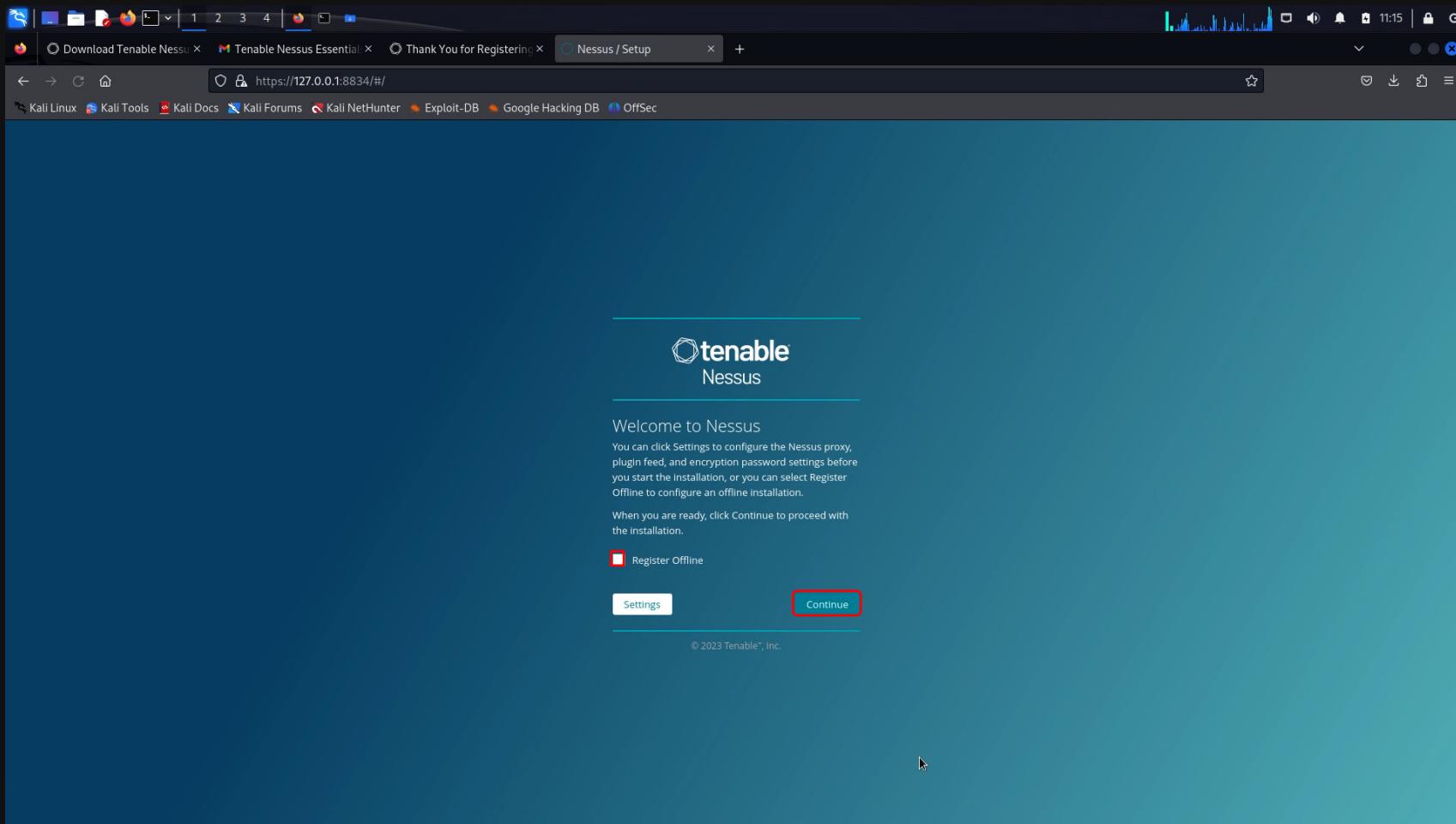
New way to install Nessus on Kali Linux

10. Click on Advanced. Click on Accept Risk and Continue.



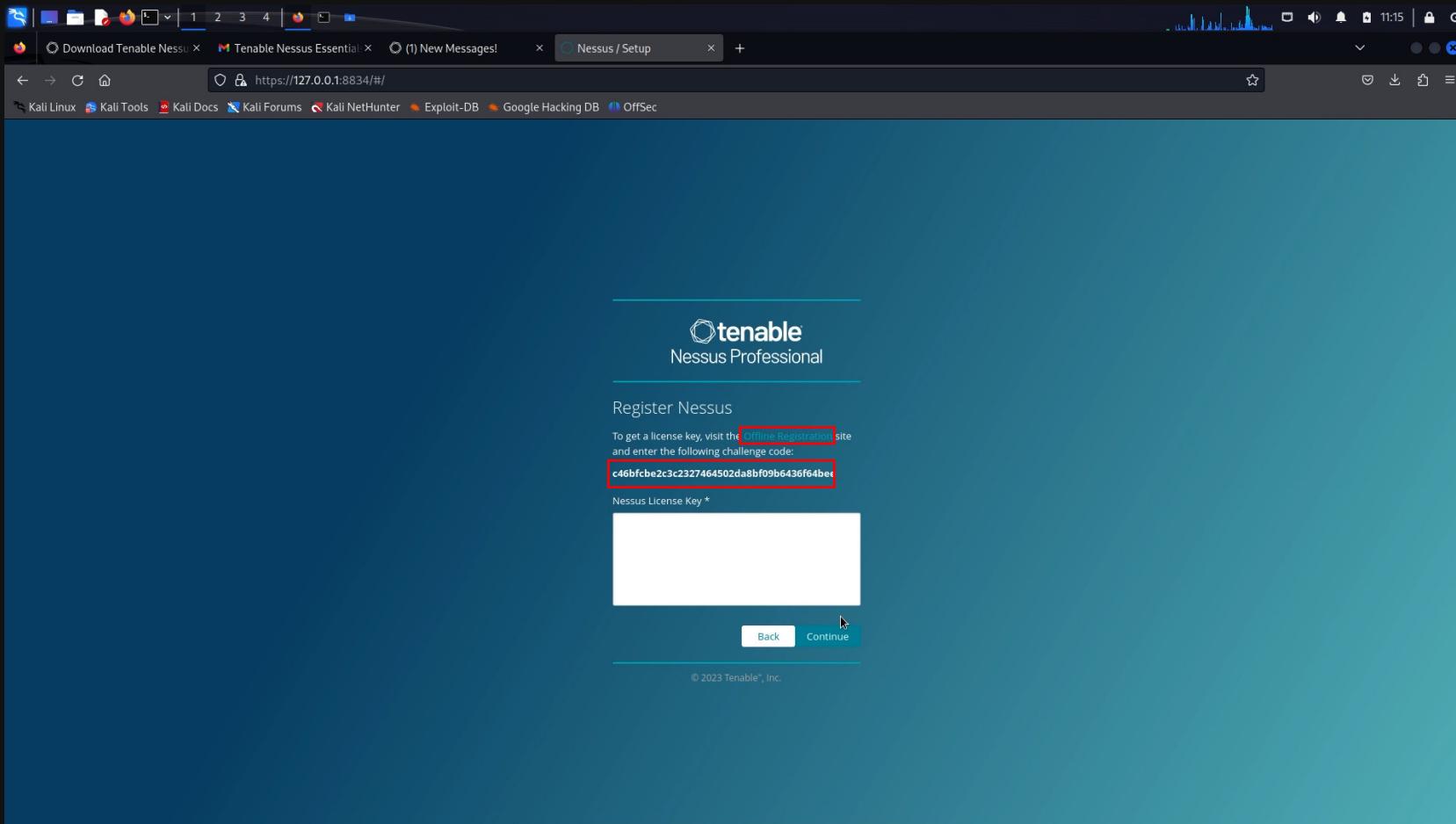
New way to install Nessus on Kali Linux

11. Select Register Offline and click Continue.



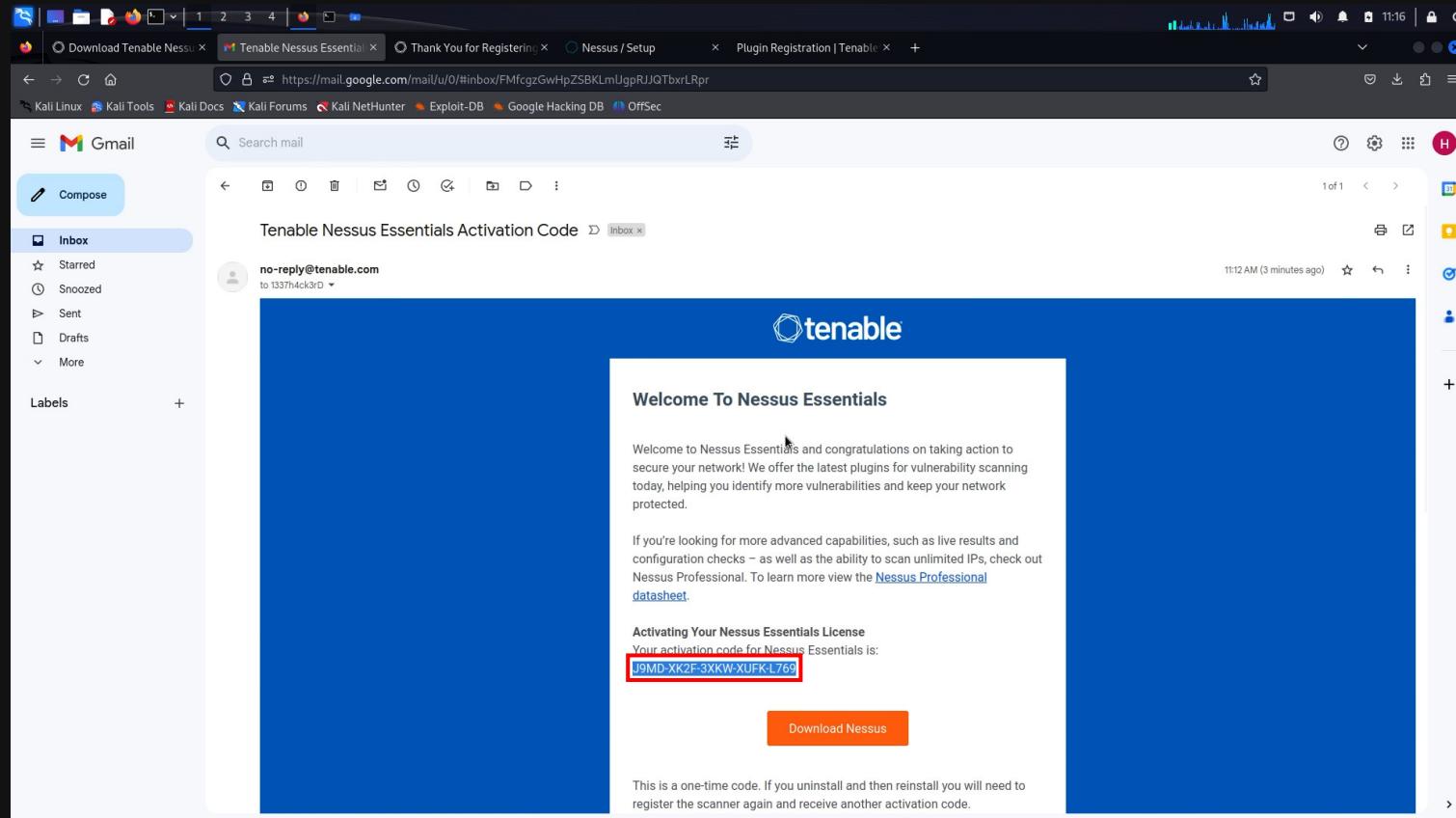
New way to install Nessus on Kali Linux

12. Copy the challenge code and select Offline Registration



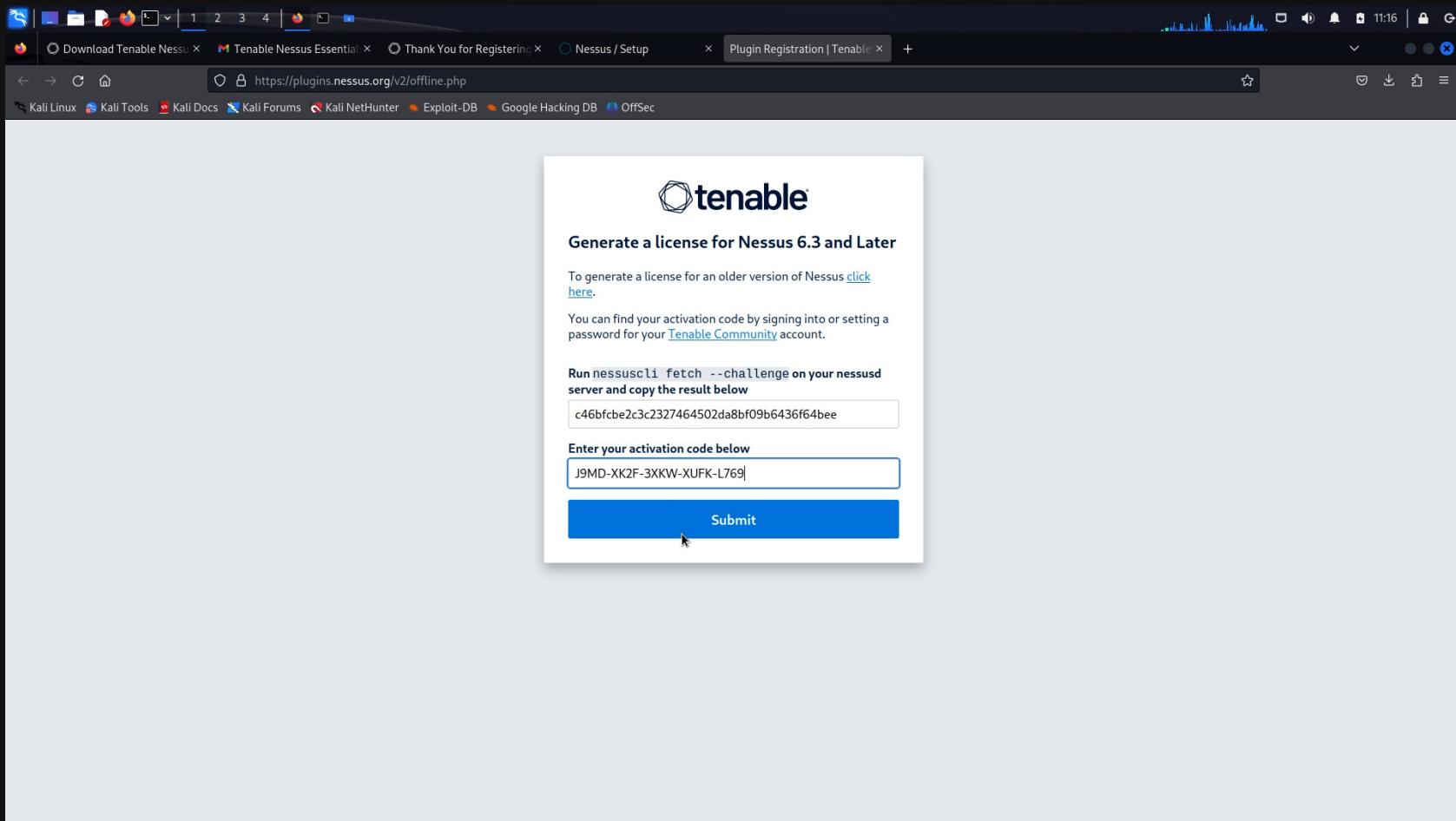
New way to install Nessus on Kali Linux

13. Copy your code to Activate Your Nessus Essentials License



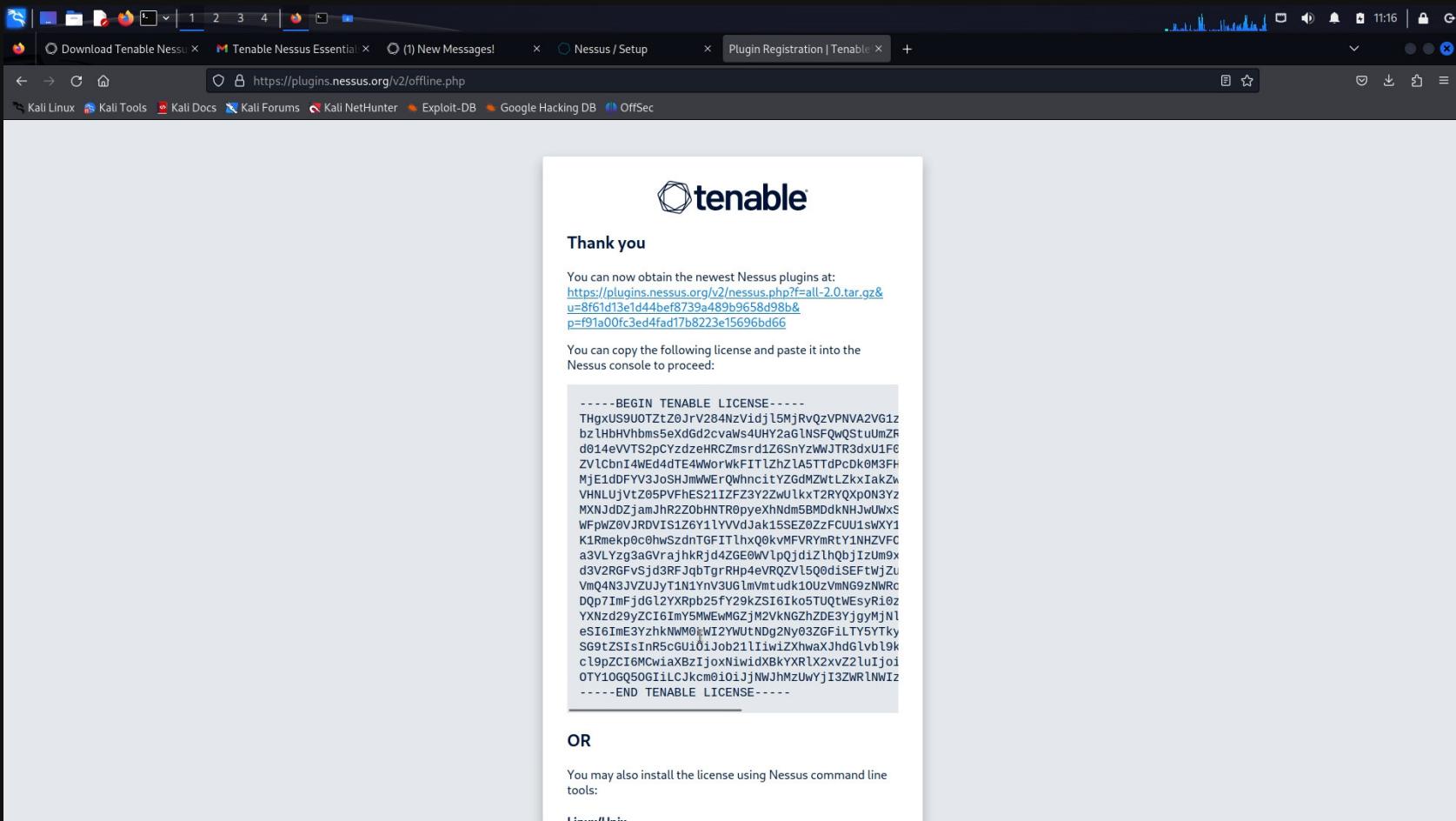
New way to install Nessus on Kali Linux

14. Copy your codes in the correct boxes and submit.



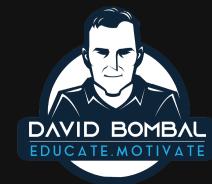
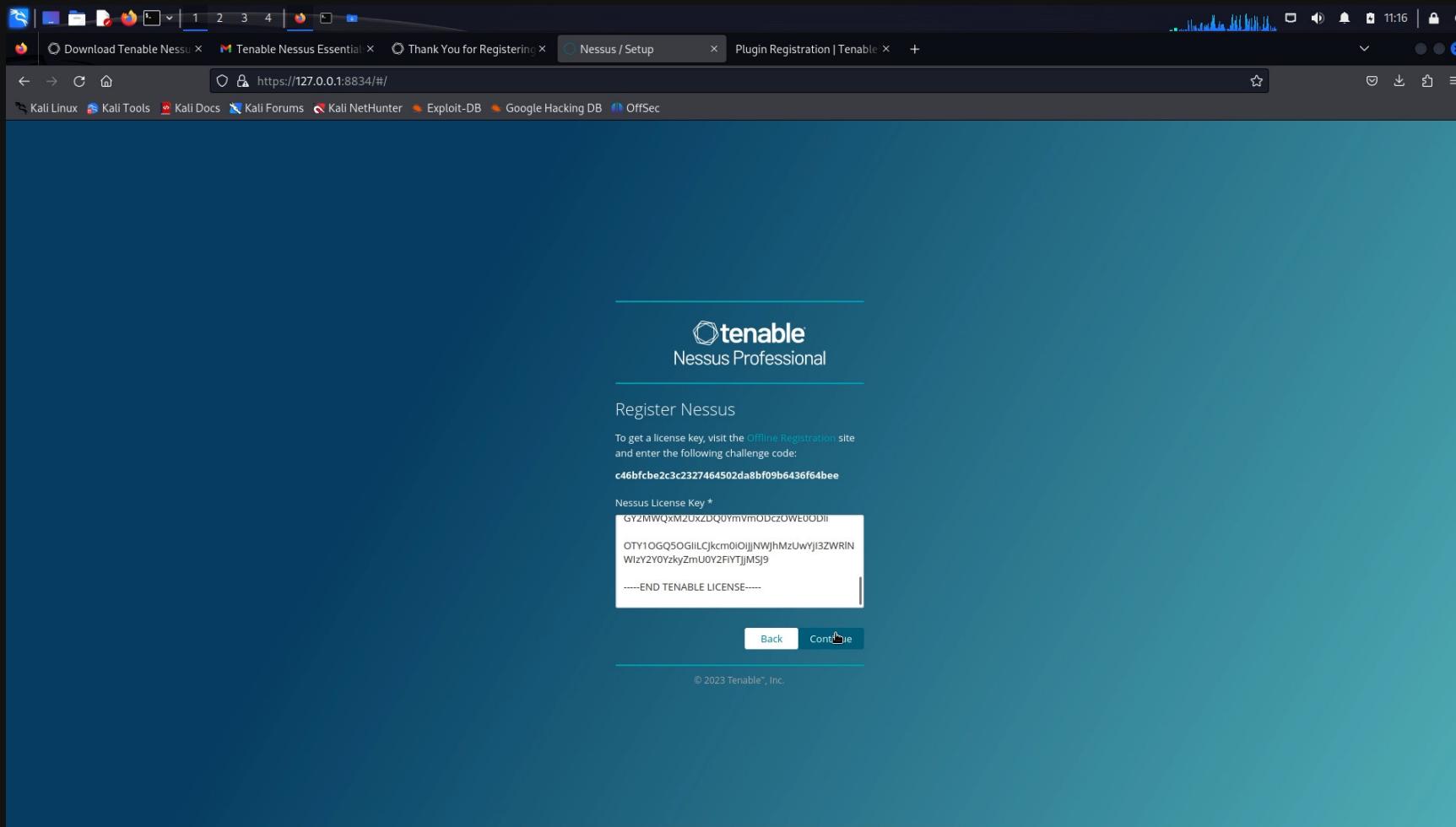
New way to install Nessus on Kali Linux

15. Copy the license code.



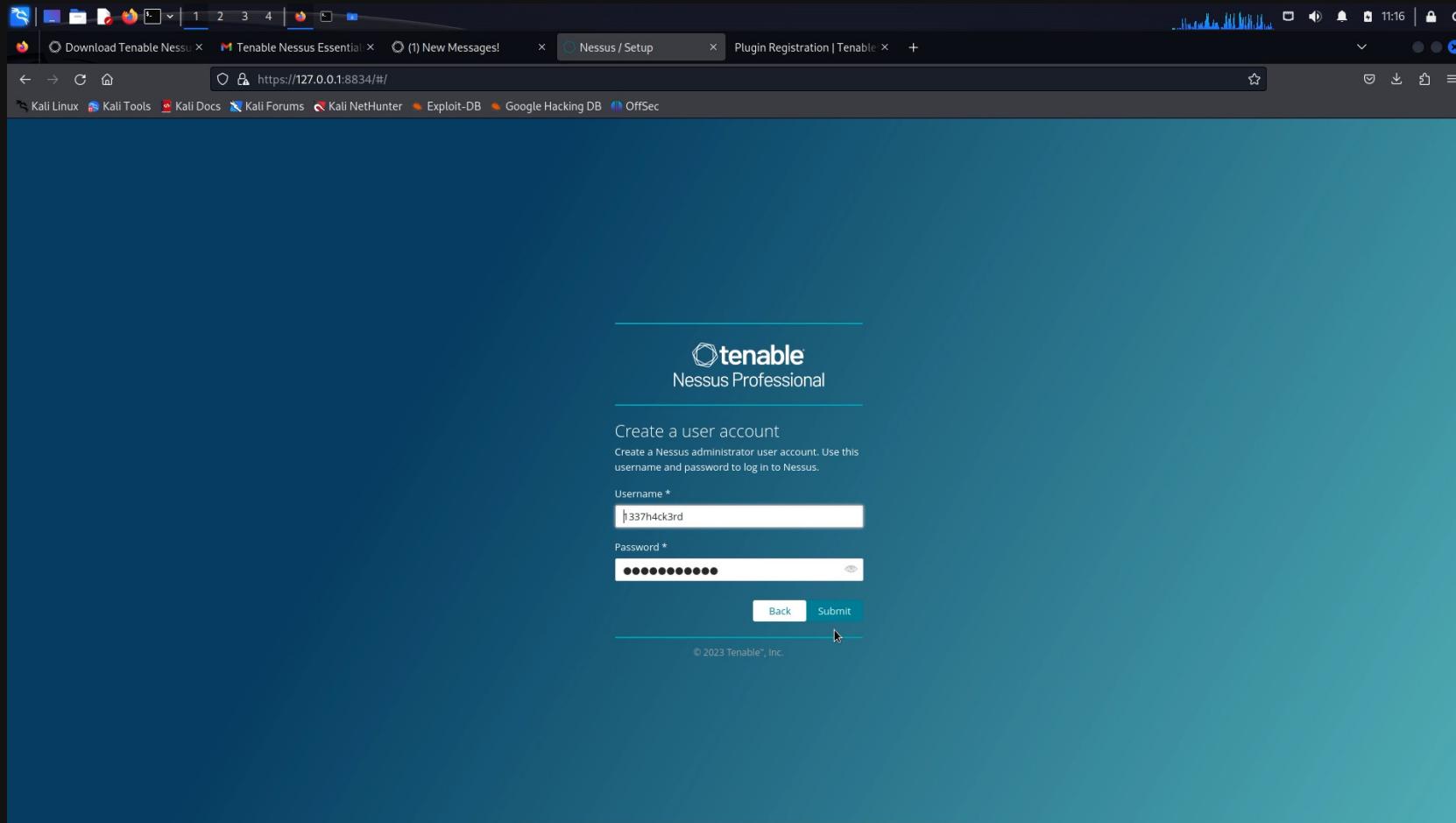
New way to install Nessus on Kali Linux

16. Paste it under Nessus License Key, and click continue



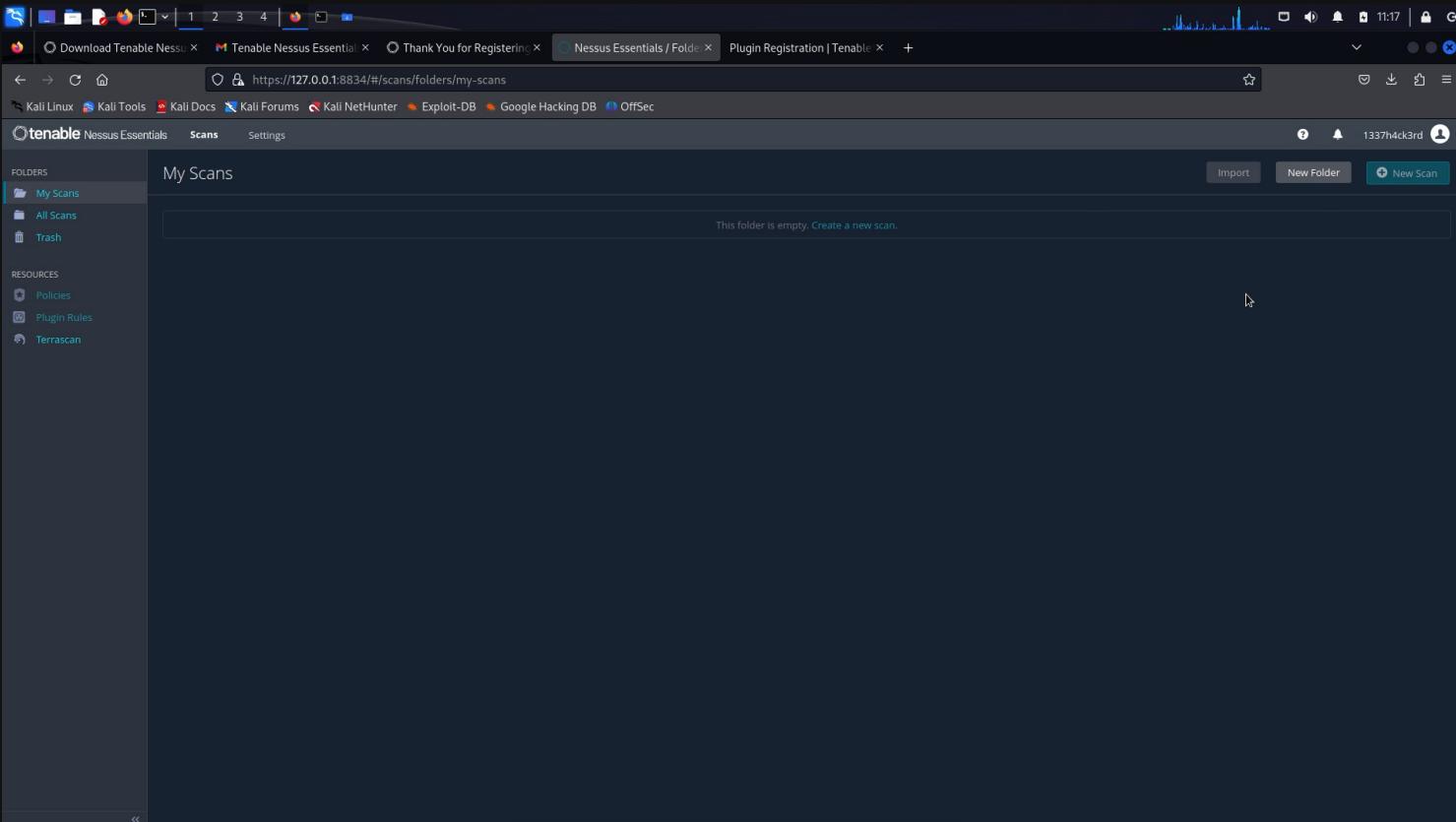
New way to install Nessus on Kali Linux

16. Paste it under Nessus License Key, and click continue



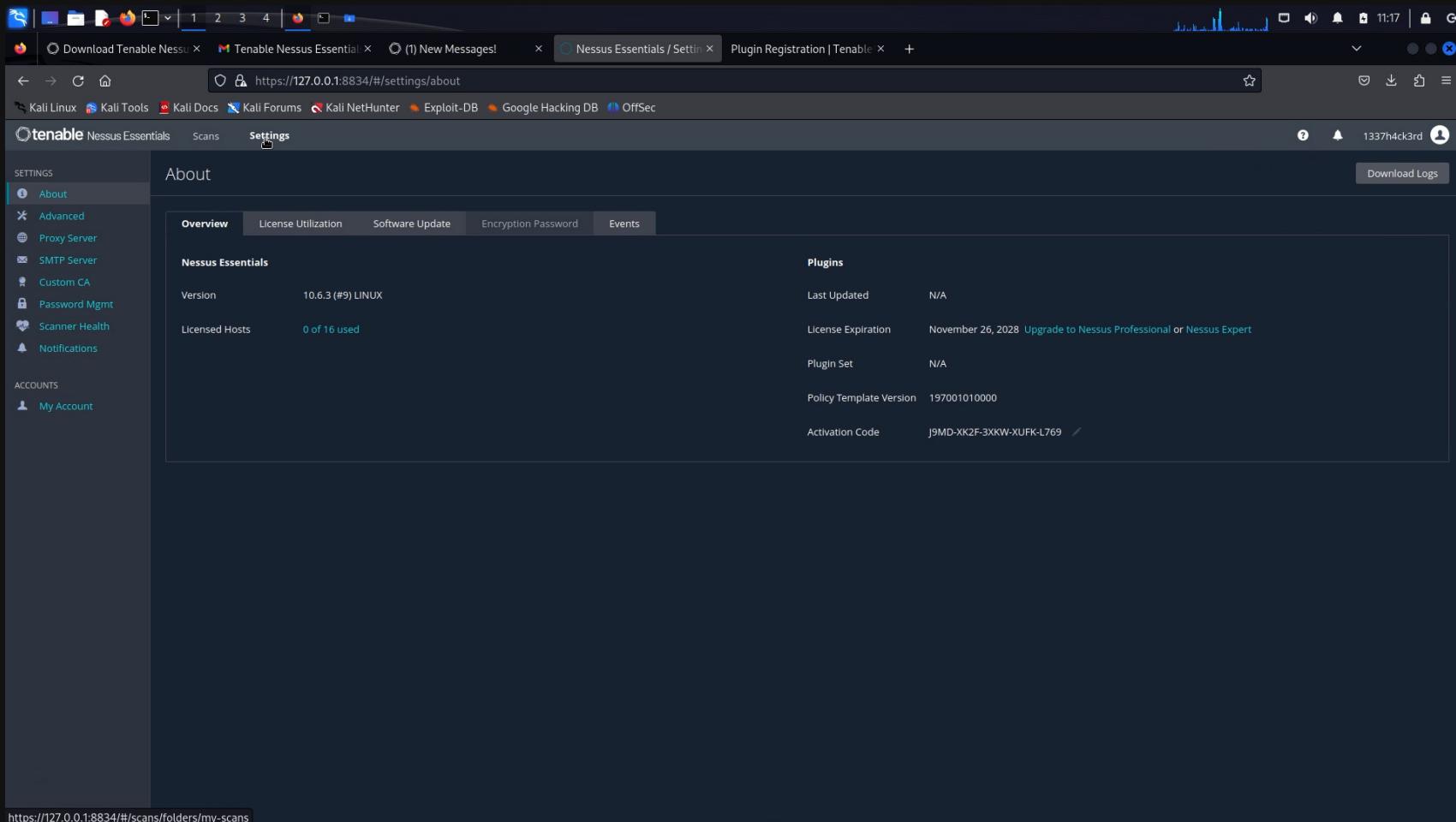
New way to install Nessus on Kali Linux

16. Nessus has started



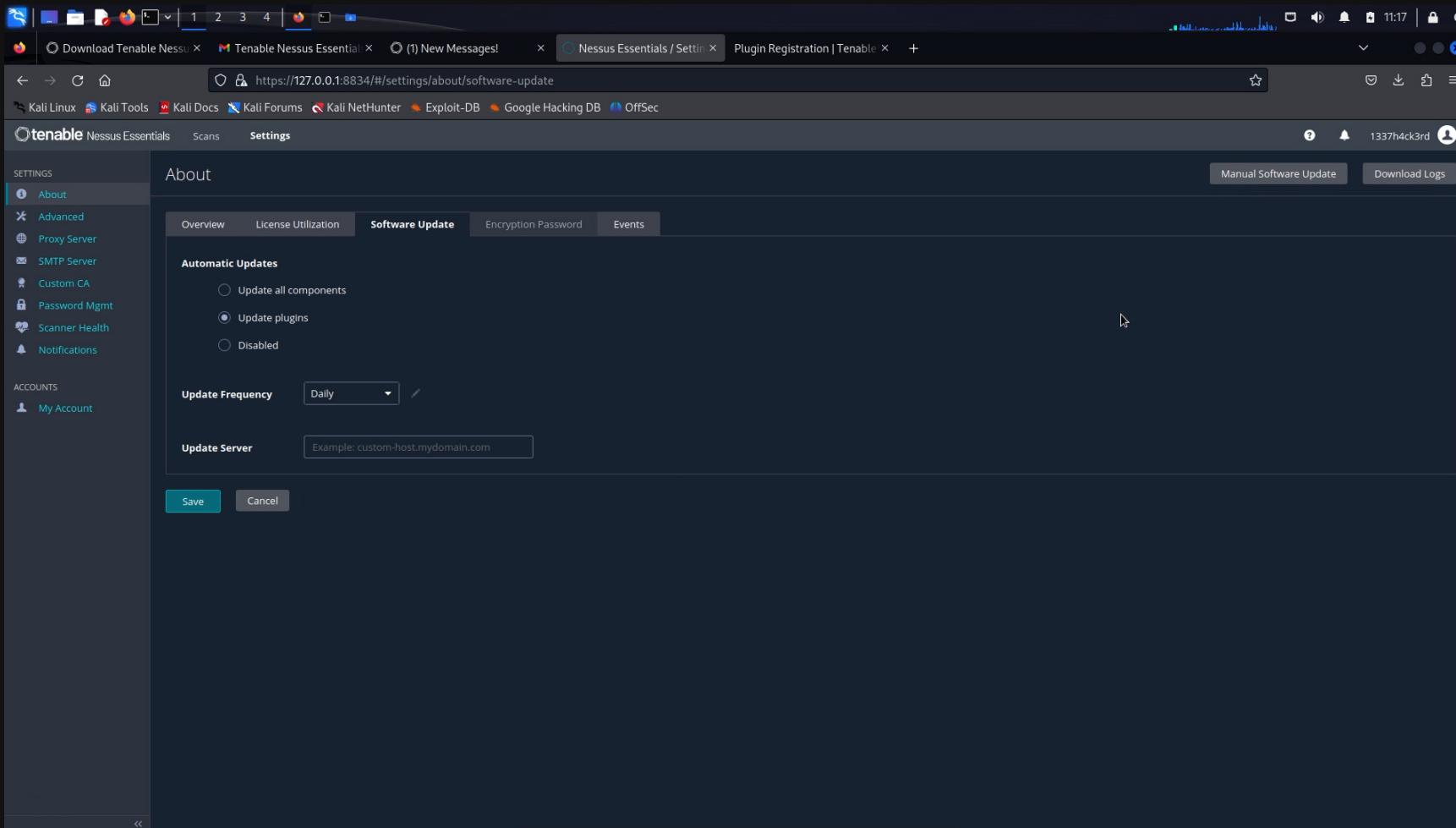
New way to install Nessus on Kali Linux

16. Go to settings



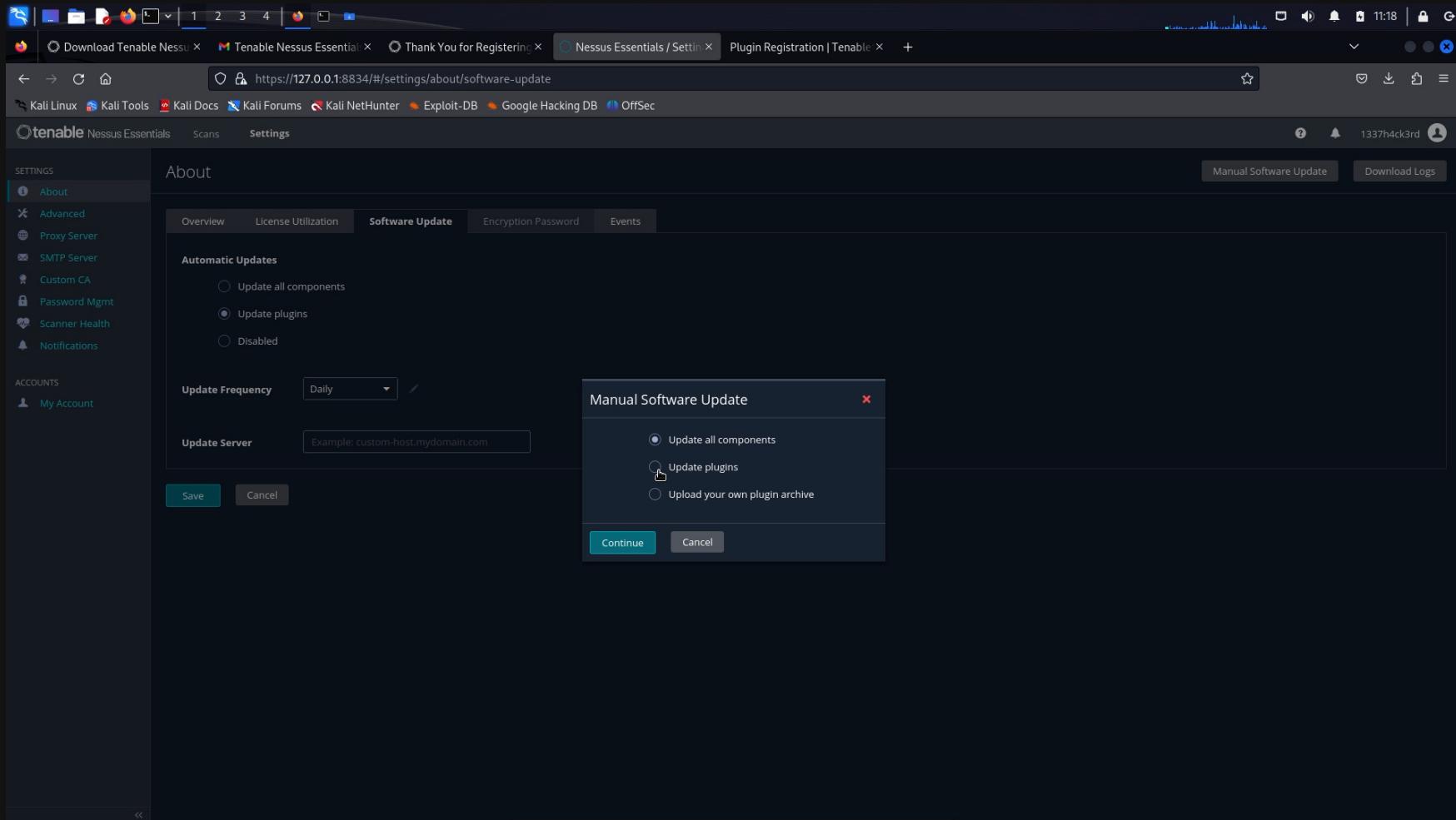
New way to install Nessus on Kali Linux

16. Select Software Update



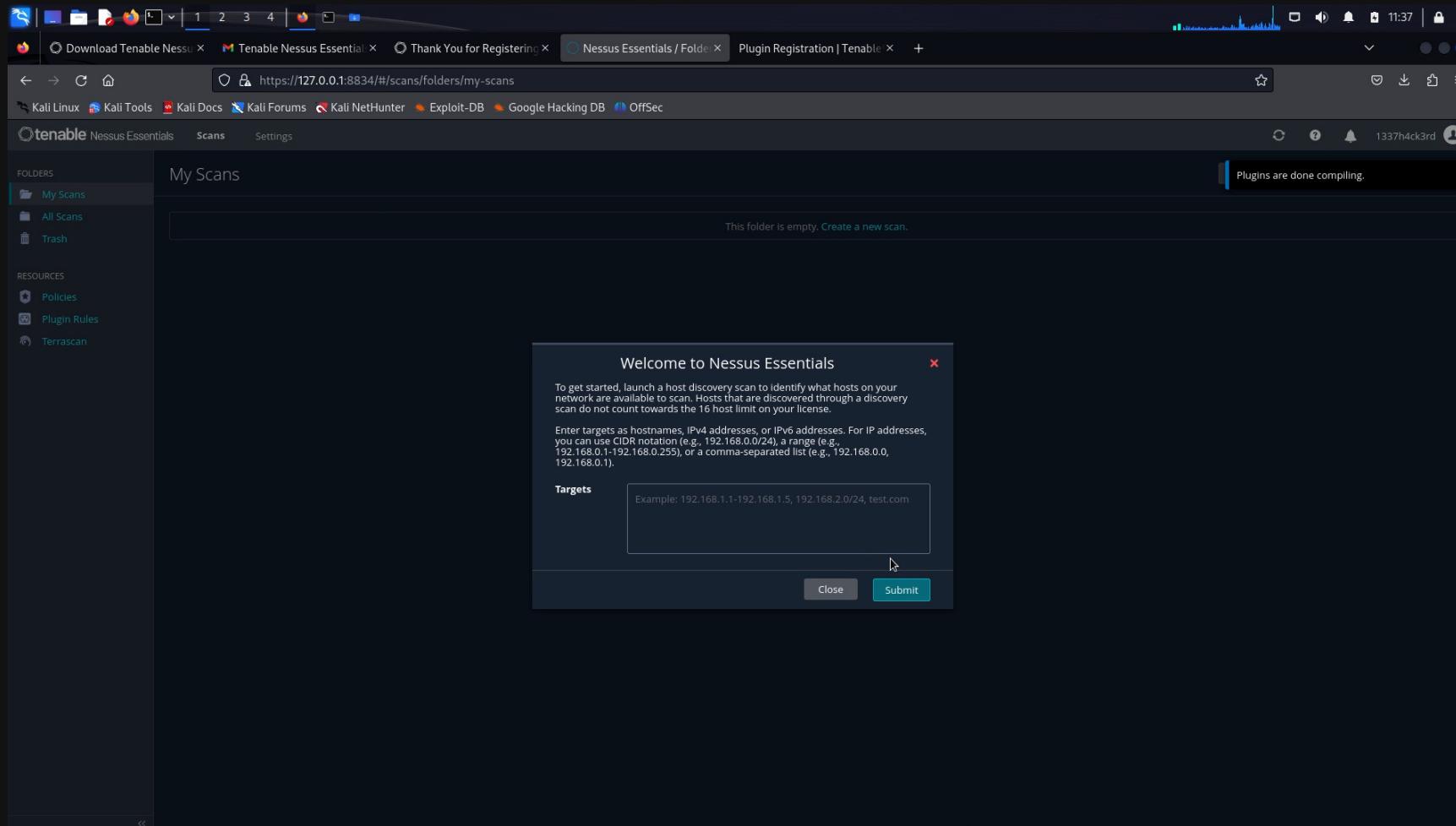
New way to install Nessus on Kali Linux

16. Paste it under Nessus License Key, and click continue



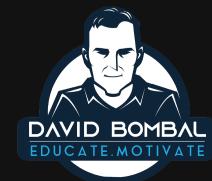
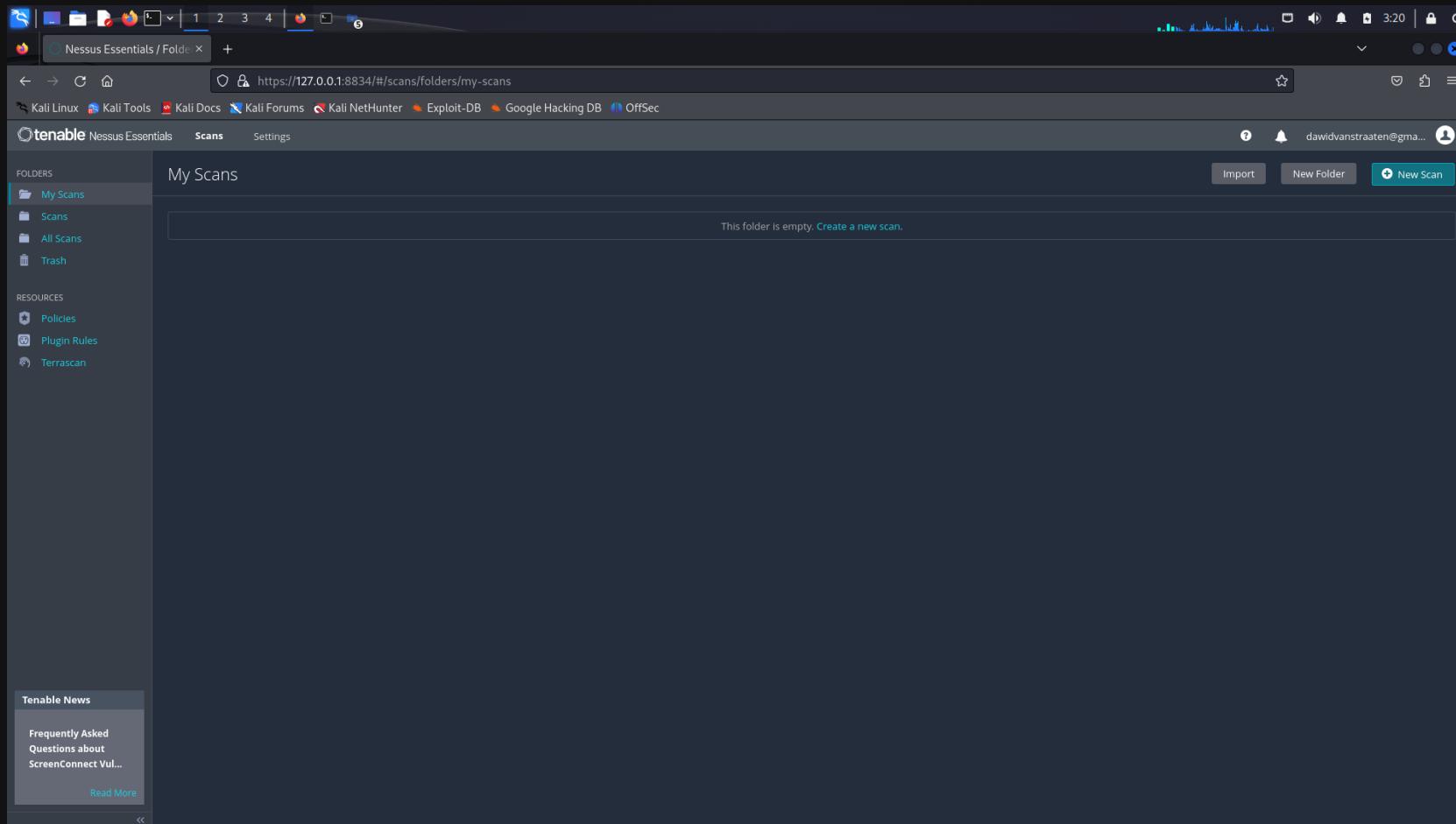
New way to install Nessus on Kali Linux

16. Paste it under Nessus License Key, and click continue



New way to install Nessus on Kali Linux

17. We can create a scan by Clicking on Create a new scan or the New Scan button.

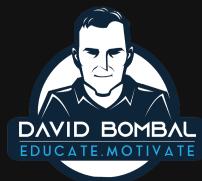


New way to install Nessus on Kali Linux

We'll run a Nessus scan on the MR-ROBOT:1 machine that's available on Vulnhub here:

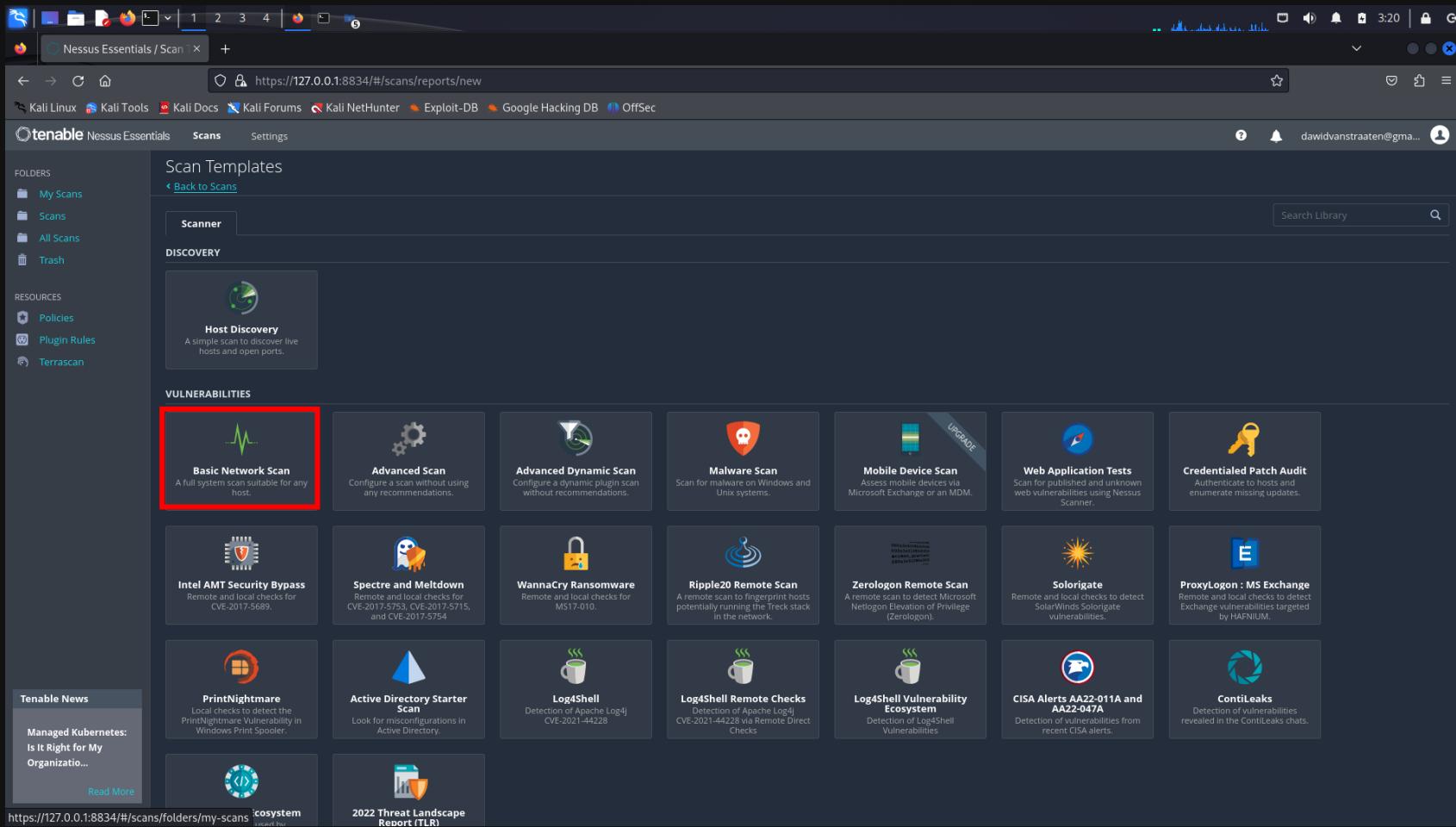
<https://www.vulnhub.com/entry/mr-robot-1,151/>

The screenshot shows the Vulnhub website interface. At the top, there is a navigation bar with links for VIRTUAL MACHINES, HELP, RESOURCES, ABOUT, SUBMIT MACHINE, and CONTACT US. Below the navigation bar, the page title is "MR-ROBOT: 1". On the left, there is a "Back" link and a list of machine details: Name: Mr-Robot: 1, Date release: 28 Jun 2016, Author: Leon Johnson, Series: Mr-Robot. On the right, there are links for About Release, Download, Description, Virtual Machine, Networking, Screenshot(s), Walkthrough(s), and social media sharing icons (Twitter, Facebook, Email). A "Back to the Top" link is located in the bottom right corner of each section. The "Download" section includes a note about the risks of running unknown VMs and provides a download link for "mrRobot.ova" (Size: 704MB) and a mirror link. The "Description" section also has a "Back to the Top" link.



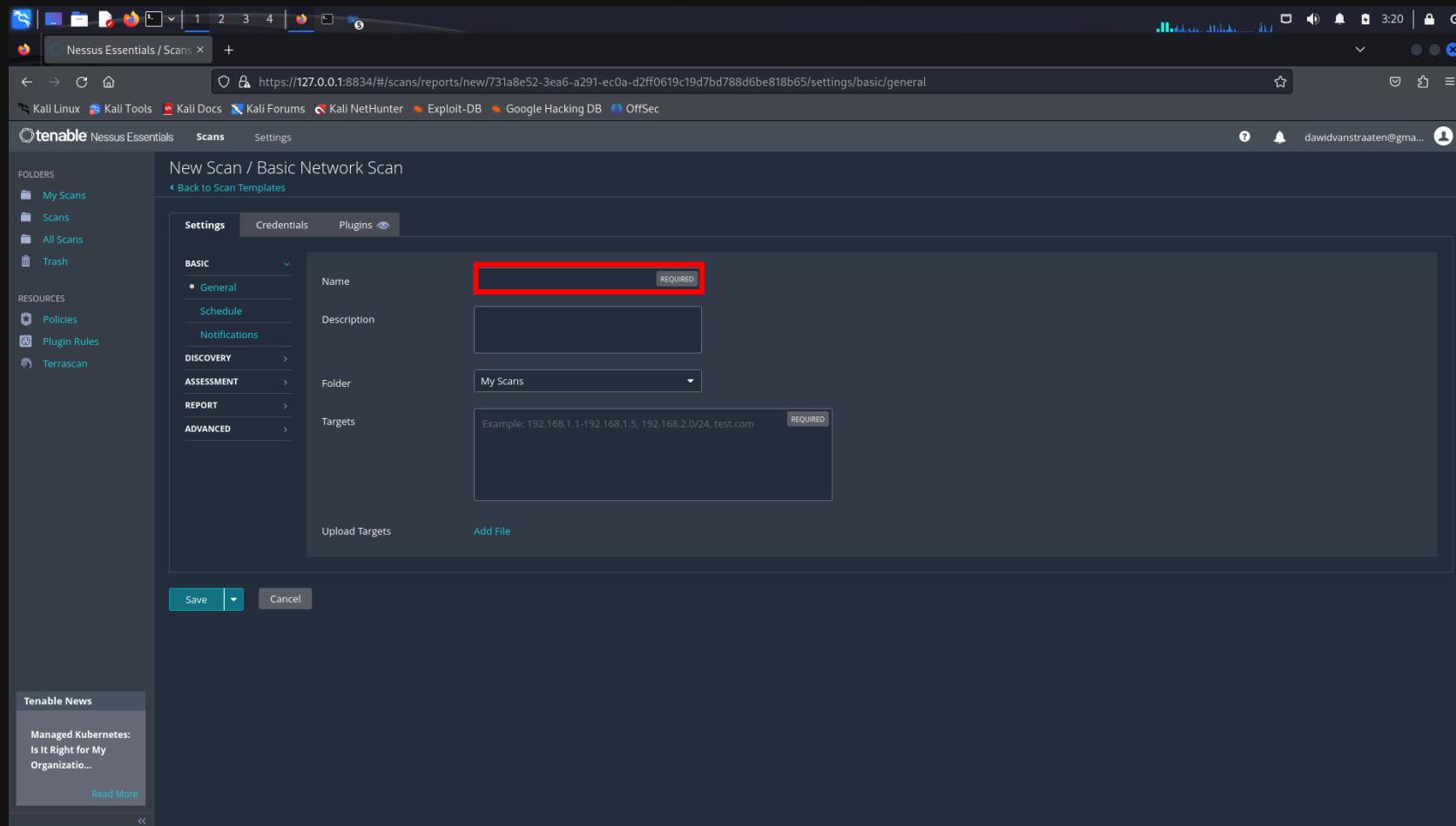
New way to install Nessus on Kali Linux

18. Click on Basic Network Scan.



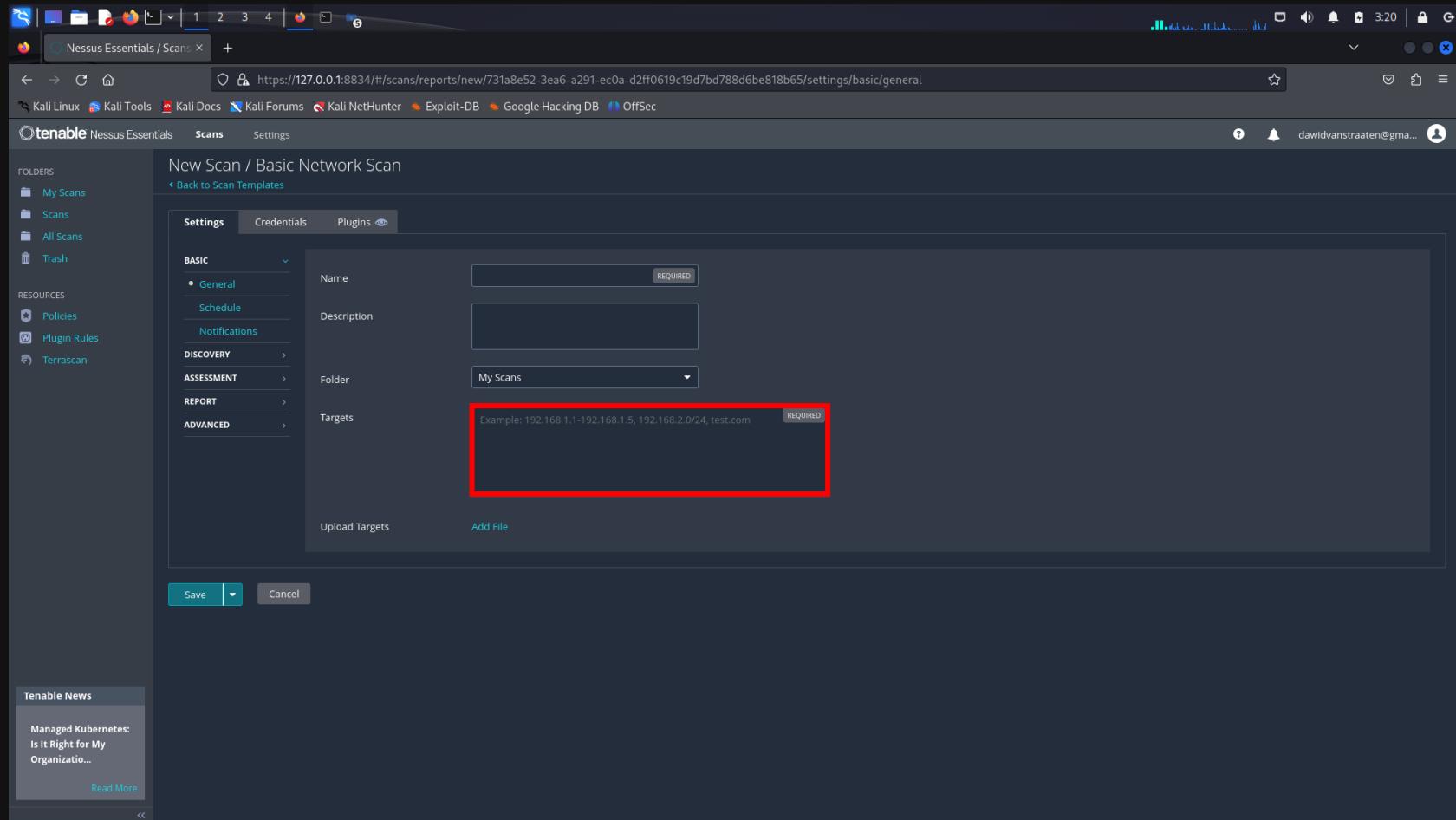
New way to install Nessus on Kali Linux

19. Enter a Name for your scan.



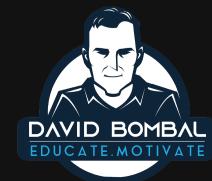
New way to install Nessus on Kali Linux

20. Enter the IP address/es for your scan.



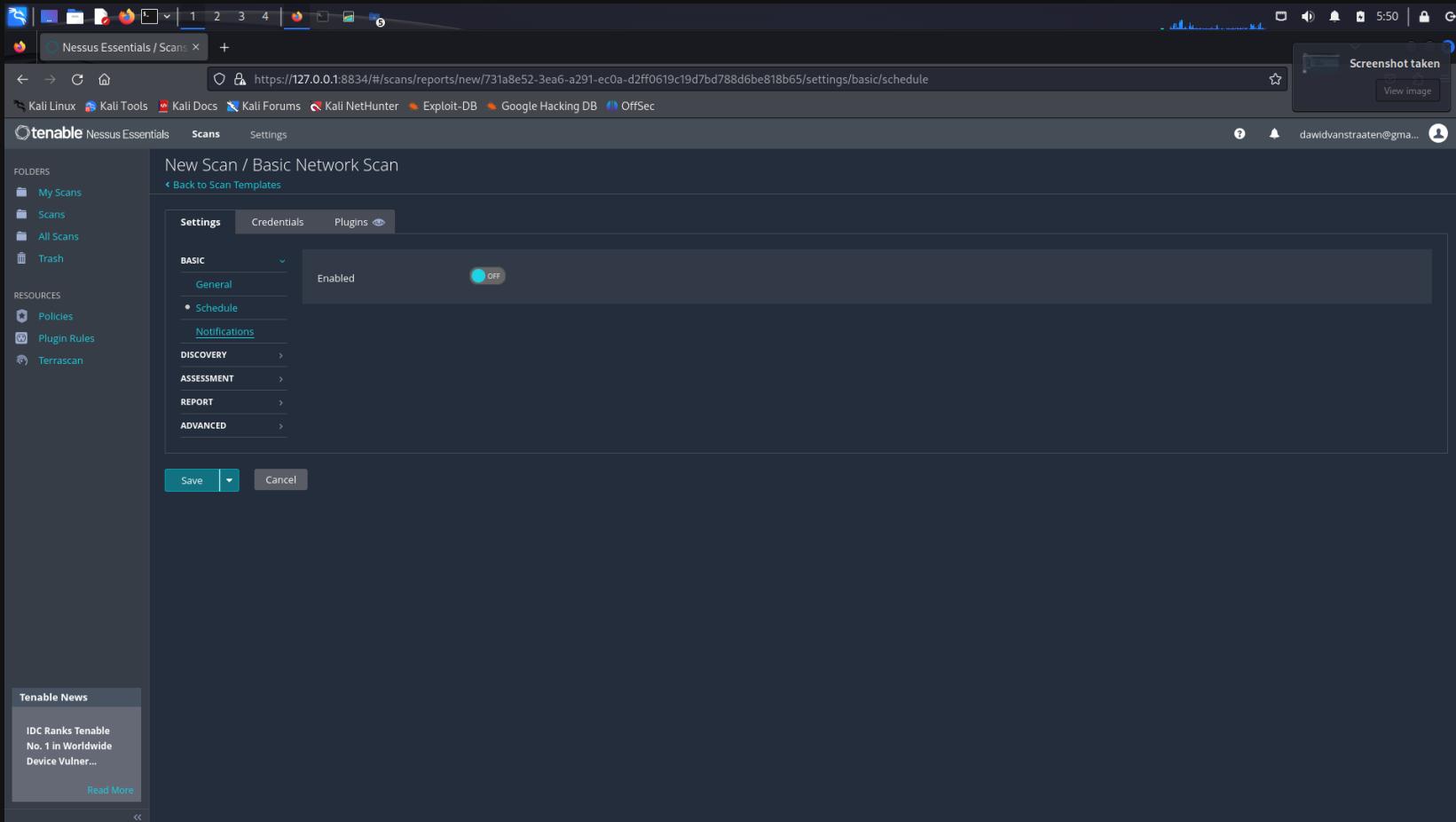
New way to install Nessus on Kali Linux

The screenshot shows the Tenable Nessus Essentials web interface. The URL in the browser is <https://127.0.0.1:8834/#/scans/reports/new/731a8e52-3ea6-a291-ec0a-d2ff0619c19d7bd788d6be818b65/settings/basic/general>. The page title is "New Scan / Basic Network Scan". The left sidebar includes links for "My Scans", "Scans", "All Scans", "Trash", "Policies", "Plugin Rules", and "Terrascan". The main form is titled "New Scan / Basic Network Scan" and contains tabs for "Settings", "Credentials", and "Plugins". The "Settings" tab is active, showing fields for "Name" (set to "Mr Robot - 1"), "Description" (empty), "Folder" (set to "My Scans"), and "Targets" (set to "192.168.0.121"). Below the targets field are buttons for "Upload Targets" and "Add File". At the bottom of the form are "Save" and "Cancel" buttons. A "Tenable News" sidebar on the left lists "IDC Ranks Tenable No. 1 in Worldwide Device Vulner..." with a "Read More" link.



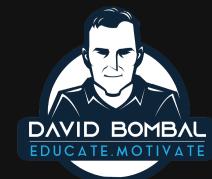
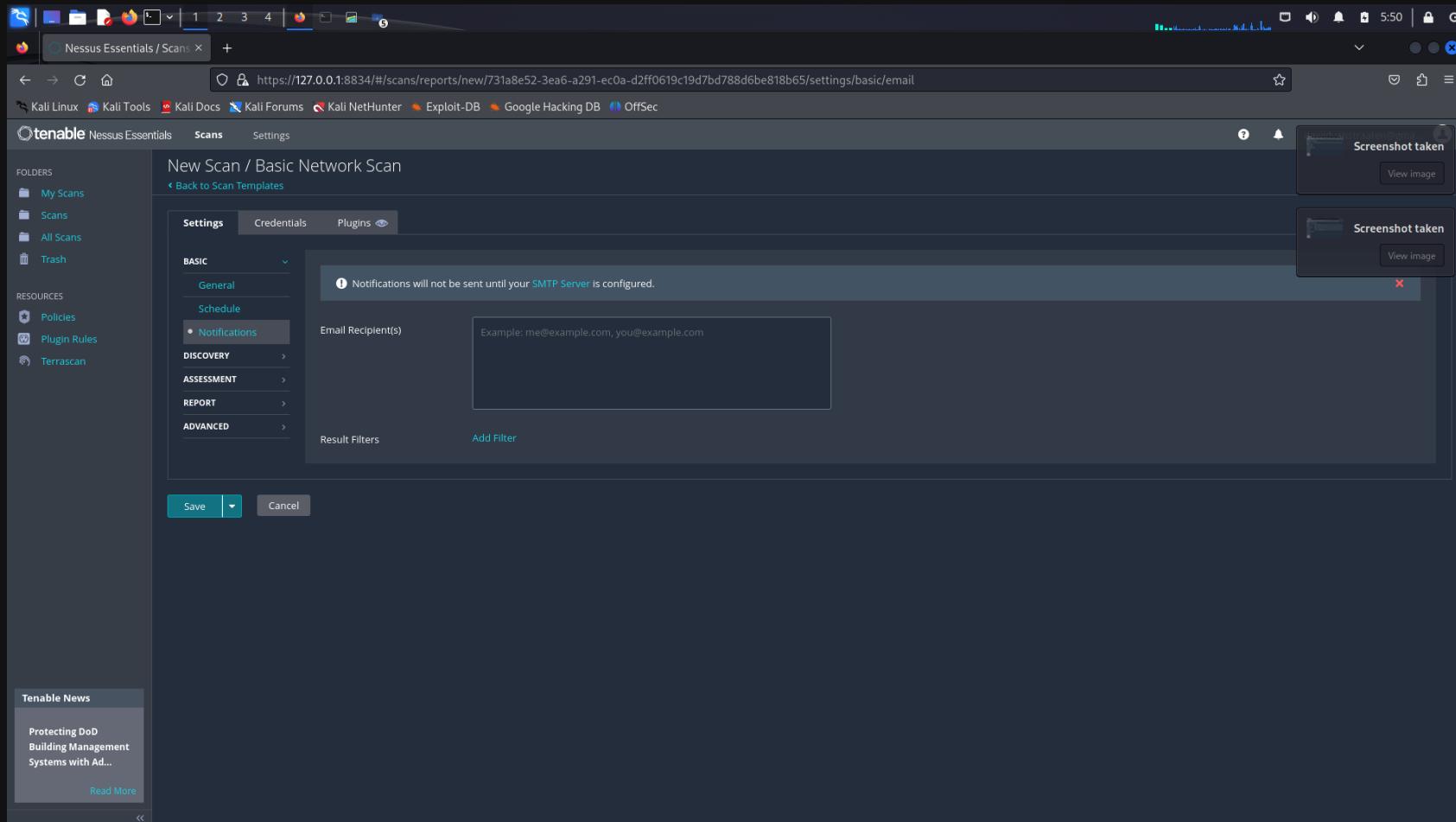
New way to install Nessus on Kali Linux

21. There are additional options. You could schedule a scan.



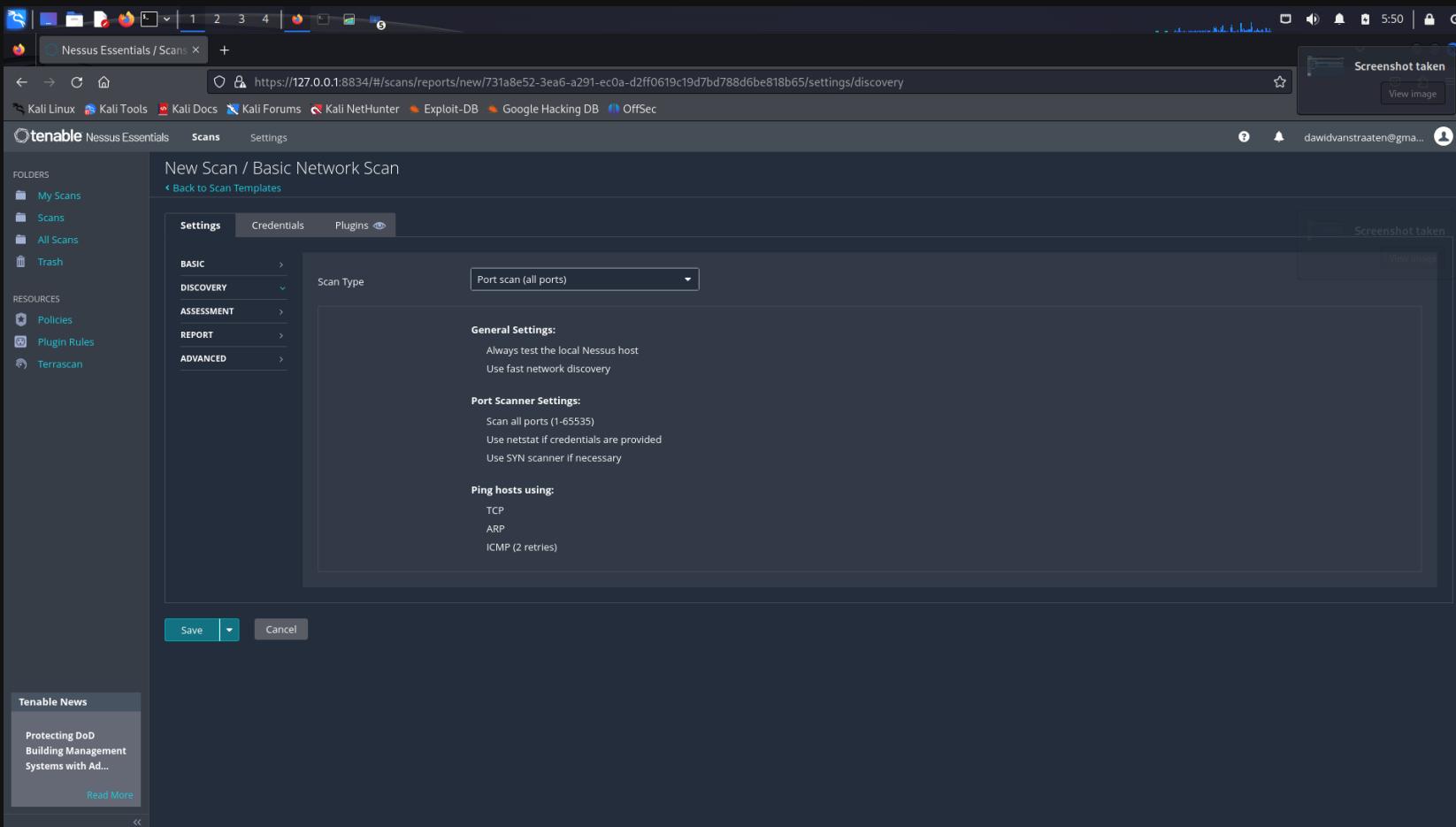
New way to install Nessus on Kali Linux

22. If you have an SMTP Server configured you can get the scan to be emailed to you.



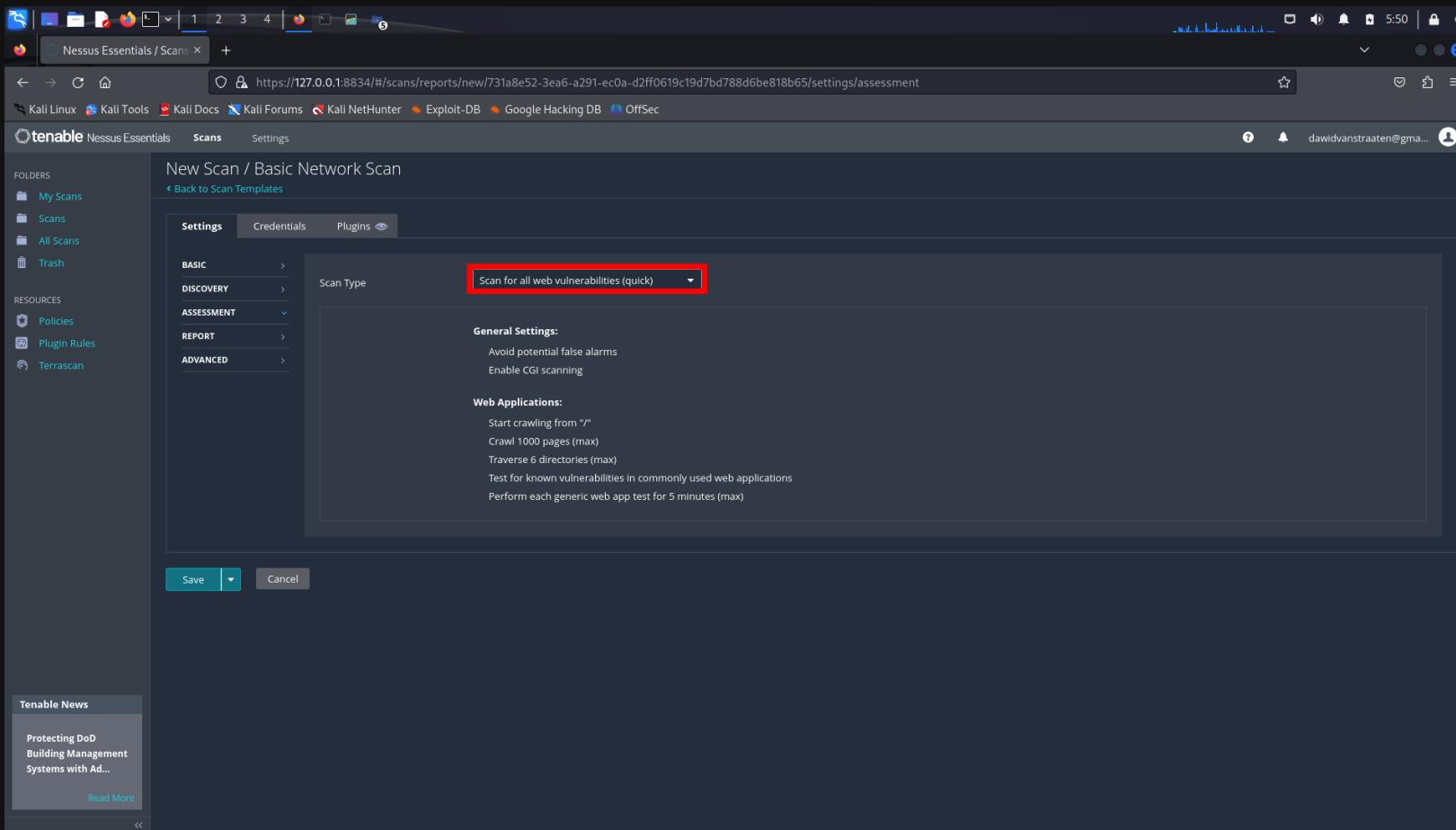
New way to install Nessus on Kali Linux

23. When you click on Discovery, you can see all the different scan types. We're scanning all ports.



New way to install Nessus on Kali Linux

24. When you click on Asessement, we will Scan for all web vulnerabilities (quick).



New way to install Nessus on Kali Linux

25. We're not going to make changes to any of the Report settings.

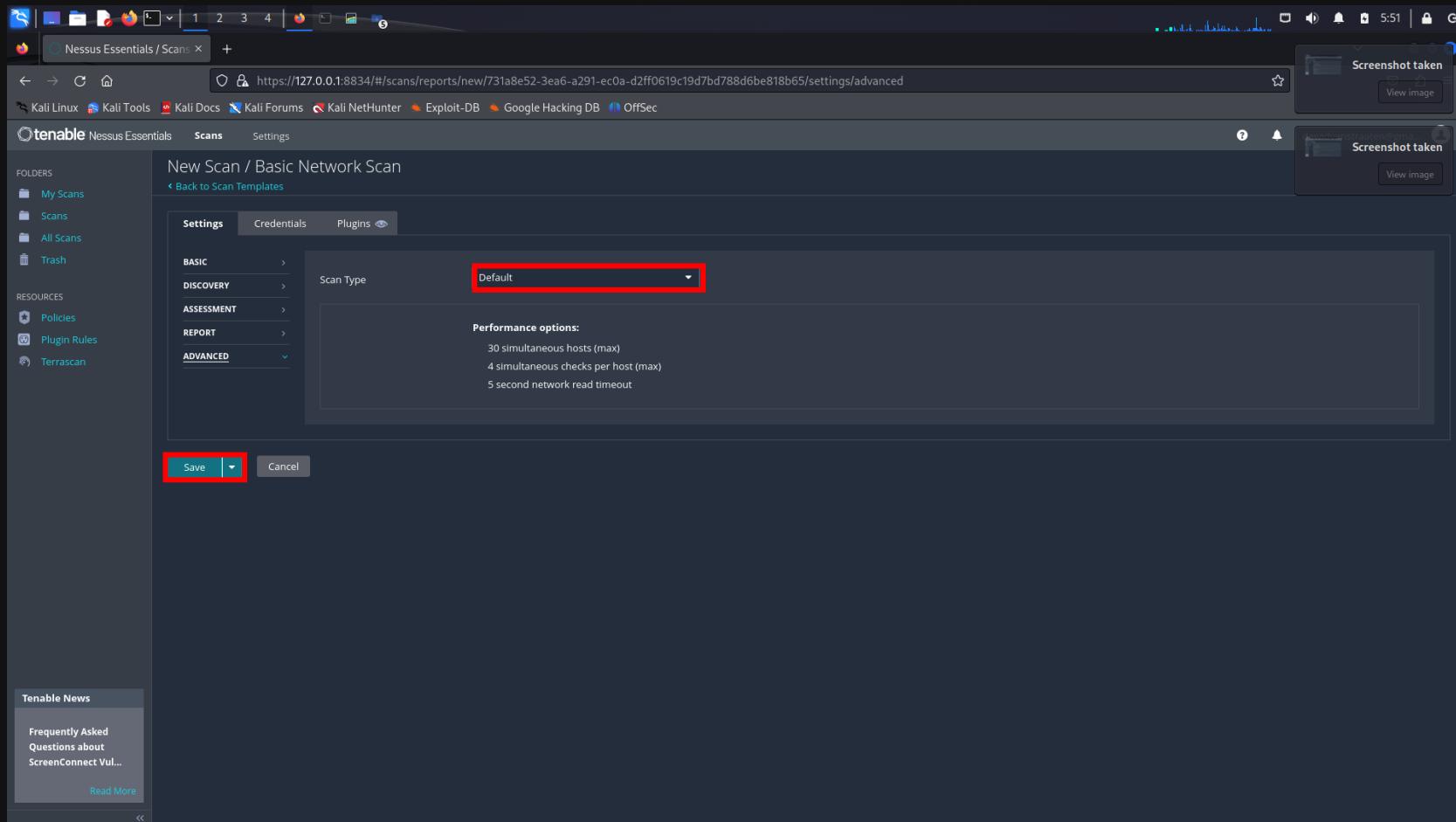
The screenshot shows the Tenable Nessus Essentials web interface. The URL in the browser is `https://127.0.0.1:8834/#/scans/reports/new/731a8e52-3ea6-a291-ec0a-d2ff0619c19d7bd788d6be818b65/settings/report`. The sidebar on the left has sections for FOLDERS (My Scans, Scans, All Scans, Trash), RESOURCES (Policies, Plugin Rules, Terrascan), and Tenable News. The main content area is titled "New Scan / Basic Network Scan" and shows the "Report" tab selected in the navigation bar. The configuration includes:

- Processing:**
 - Override normal verbosity
 - I have limited disk space. Report as little information as possible
 - Report as much information as possible
- Show missing patches that have been superseded
- Hide results from plugins initiated as a dependency
- Output:**
 - Allow users to edit scan results
 - Designate hosts by their DNS name
 - Display hosts that respond to ping
 - Display unreachable hosts
 - Display Unicode characters



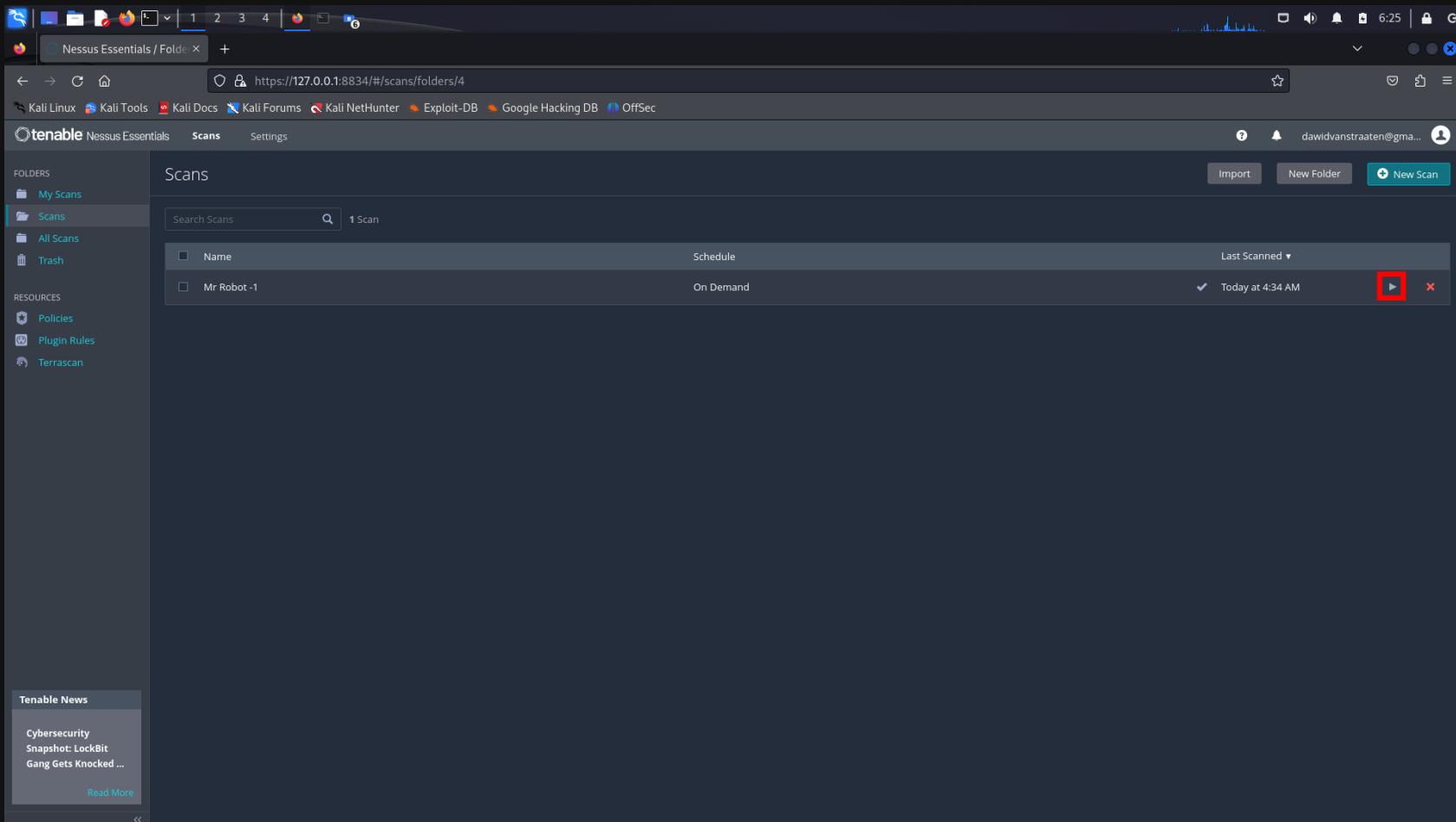
New way to install Nessus on Kali Linux

26. On Advanced you can keep the Scan Type to default, and click Save.



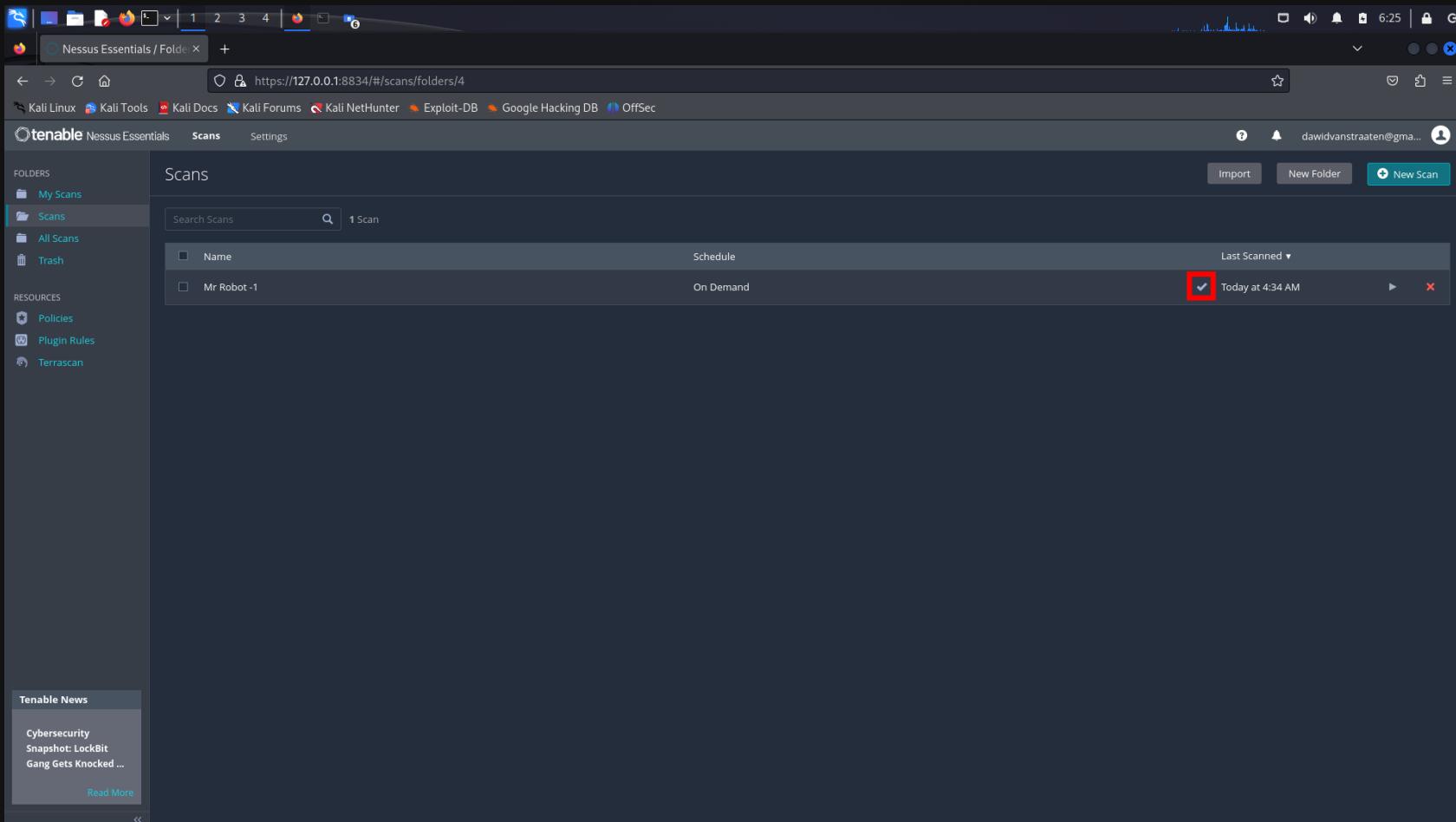
New way to install Nessus on Kali Linux

27. We click the play button to start the scan. We wait until the scan completes.



New way to install Nessus on Kali Linux

28. Once you see the checkmark the scan completed.



New way to install Nessus on Kali Linux

29. Click on the scan to see the results.

Name	Schedule	Last Scanned
Mr Robot -1	On Demand	✓ Today at 4:34 AM

New way to install Nessus on Kali Linux

30. It looks like this machine has quite a bit of vulnerabilities. We can click on vulnerabilities or the bar.

The screenshot shows the Tenable Nessus Essentials web interface. The URL is <https://127.0.0.1:8834/#/scans/reports/39/hosts>. The left sidebar shows 'My Scans' selected. The main content area is titled 'Mr Robot - 1' and shows a summary of the scan results. The 'Vulnerabilities' tab is selected, displaying 56 vulnerabilities across 1 host (192.168.0.121). The host table shows the following distribution of vulnerabilities:

Host	Vulnerabilities
192.168.0.121	16 Critical, 7 High, 7 Medium, 4 Low, 54 Info

On the right, the 'Scan Details' section provides the following information:

- Policy: Basic Network Scan
- Status: Completed
- Severity Base: CVSS v3.0
- Scanner: Local Scanner
- Start: Today at 4:05 AM
- End: Today at 4:34 AM
- Elapsed: 28 minutes

Below the table, a pie chart shows the distribution of vulnerabilities by severity: Critical (red), High (orange), Medium (yellow), Low (light blue), and Info (blue).

New way to install Nessus on Kali Linux

31. Here we can see all the possible CVEs. We can click on them to get more information.

The screenshot shows the Tenable Nessus Essentials web interface. The URL in the browser is <https://127.0.0.1:8834/#/scans/reports/39/hosts/2/vulnerabilities>. The main content area displays a table of vulnerabilities for the host "Mr Robot -1 / 192.168.0.121". The table has columns for Severity (Sev), CVSS, VPR, Name, Family, Count, and Action. There are 56 vulnerabilities listed, mostly critical (red) and high (orange). The "Family" column shows categories like "CGI abuses" and "General". The "Count" column indicates how many hosts are affected. On the right side, there is a "Host Details" panel showing the IP (192.168.0.121), OS (AIX 5.3), Start time (Today at 4:05 AM), End time (Today at 4:34 AM), Elapsed time (28 minutes), and KB (Download). Below that is a "Vulnerabilities" section with a donut chart showing the distribution of severity levels: Critical (red), High (orange), Medium (yellow), Low (light blue), and Info (blue).



New way to install Nessus on Kali Linux

32. We'll need to do some more research on the CVEs.

The screenshot shows a web browser window displaying the Tenable Nessus Essentials interface. The URL in the address bar is `https://127.0.0.1:8834/#/scans/reports/39/hosts/2/vulnerabilities/58987`. The main content area is titled "Mr Robot -1 / Plugin #58987" and displays a critical vulnerability for "PHP Unsupported Version Detection". The "Description" section states: "According to its version, the installation of PHP on the remote host is no longer supported. Lack of support implies that no new security patches for the product will be released by the vendor. As a result, it is likely to contain security vulnerabilities." The "Solution" section suggests: "Upgrade to a version of PHP that is currently supported." On the right side, there is a "Plugin Details" panel with the following information:

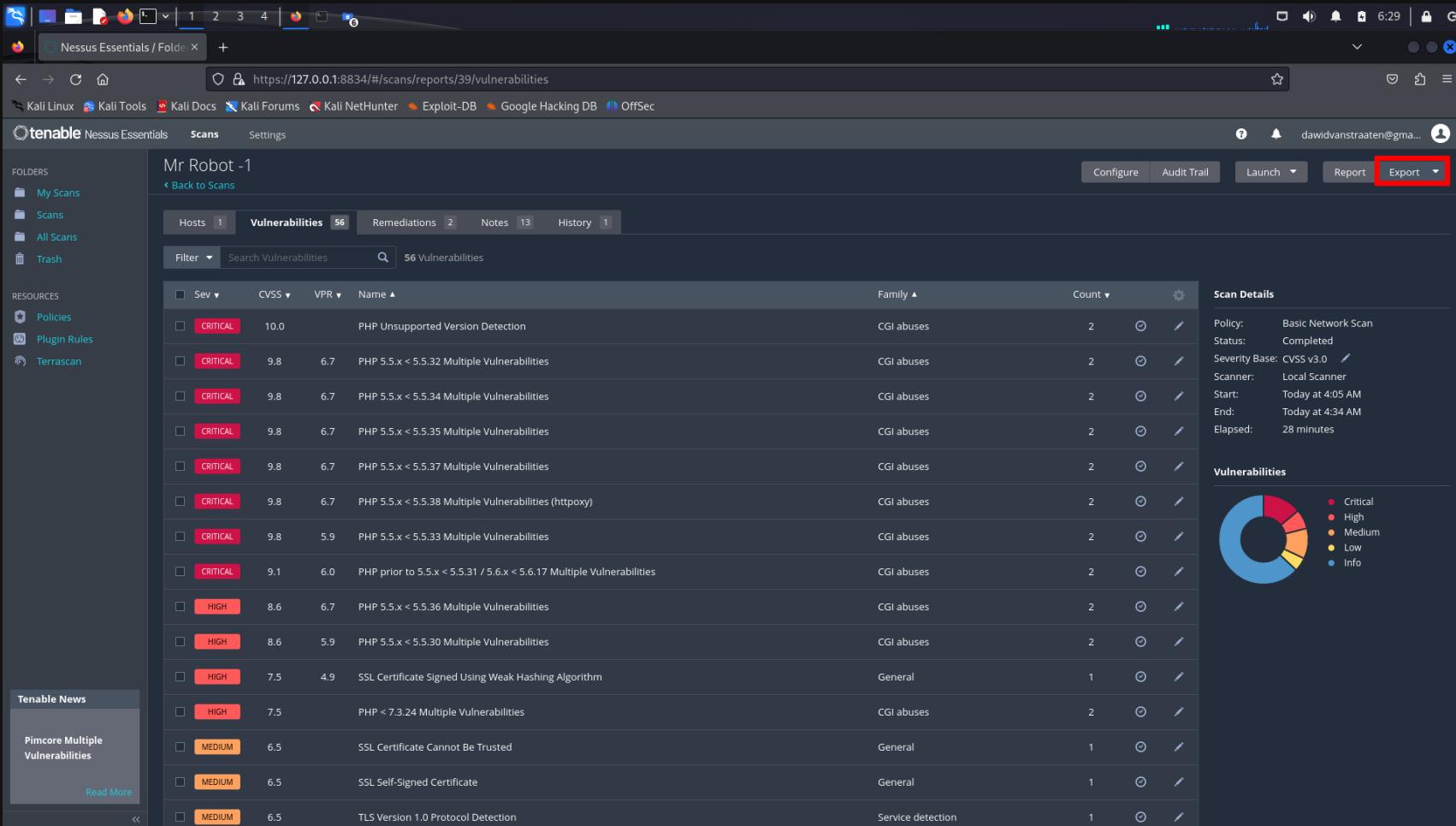
Severity:	Critical
ID:	58987
Version:	1.24
Type:	remote
Family:	CGI abuses
Published:	May 4, 2012
Modified:	December 7, 2022

Below the main content, there are sections for "Risk Information", "Vulnerability Information", and "Reference Information". The "Risk Information" section includes the risk factor (Critical), CVSS v3.0 Base Score (10.0), and CVSS v2.0 Base Score (10.0). The "Vulnerability Information" section lists the CPE (cpe:/a:php:php) and notes that it is unsupported by the vendor. The "Reference Information" section shows the IAVA number (0001-A-0581).



New way to install Nessus on Kali Linux

33. We can also export the a Nessus file with all the CVEs.



The screenshot shows the Tenable Nessus Essentials web interface. The main page displays a scan titled "Mr Robot -1" with 56 vulnerabilities found. The vulnerabilities are listed in a table with columns for Severity (Sev), CVSS, VPR, Name, Family, and Count. A "Scan Details" sidebar provides information about the scan, including the policy, status, and duration. A "Vulnerabilities" section includes a pie chart showing the distribution of severity levels: Critical (red), High (orange), Medium (yellow), Low (light blue), and Info (blue). The "Export" button in the top right corner is highlighted with a red box.



Get more information

1. Website: <https://www.youtube.com/davidbombal>
2. Website: <https://www.tenable.com/downloads/nessus?loginAttempted=true>
3. Website: <https://www.tenable.com/tenable-for-education/nessus-essentials>
4. Website: <https://www.vulnhub.com/entry/mr-robot-1,151/>

