

SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING

DIGITAL ASSIGNMENT 3 - WINTER SEMESTER 2023-24

Course: Information Security Management

Lab Marks: 10

Course Code: BCSE354E

Slot: L33+L34

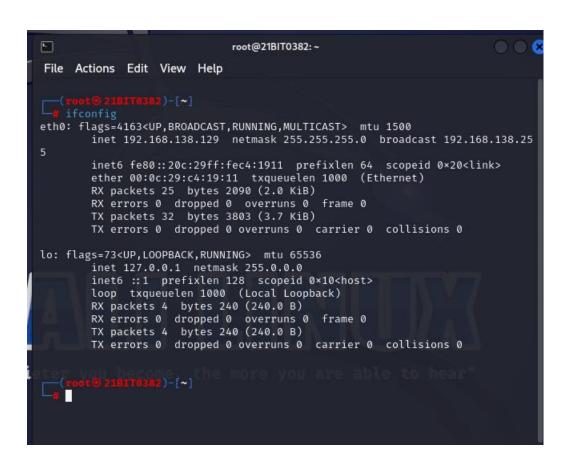
Give screenshot of System IP, Kali Linux IP and Metasploitable IP

EACH QUESTION CARRIES 5 MARKS

NAME: POLI VARDHINI REDDY

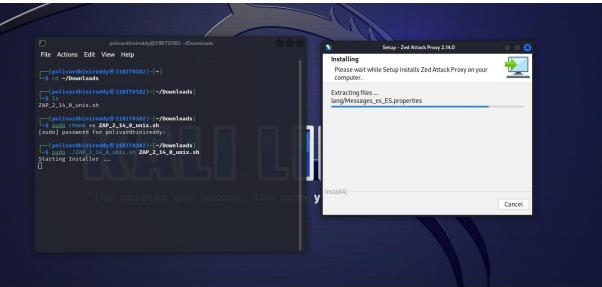
REGISTER NUMBER: 21BIT0382

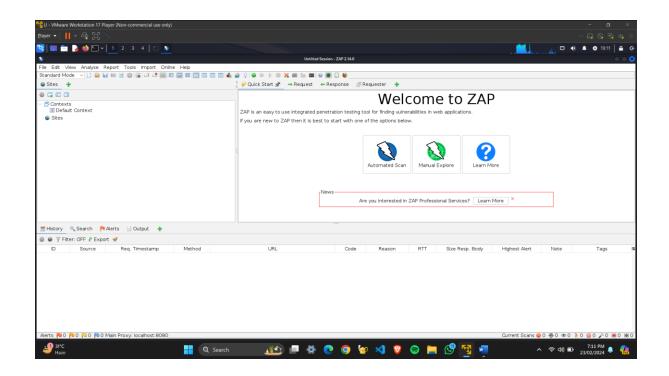
- 1. Using OWASP-ZAP perform penetration testing on the website http://googlegruyere.appspot.com/start . You can start an instance of Gruyere with a unique ID. Click Agree & Start.
 - Identify hidden, potentially forgotten, or unsecured pages
 - Identify the attack which gives high-risk alert

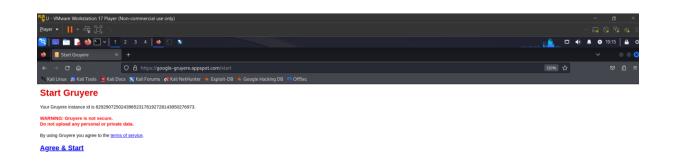




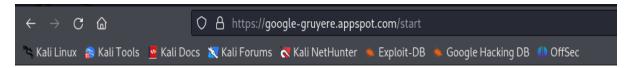












Start Gruyere

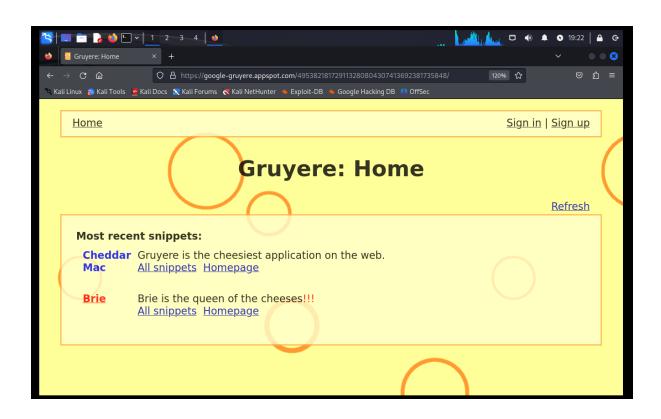
Your Gruyere instance id is 629290725024396523178192728143050276973.

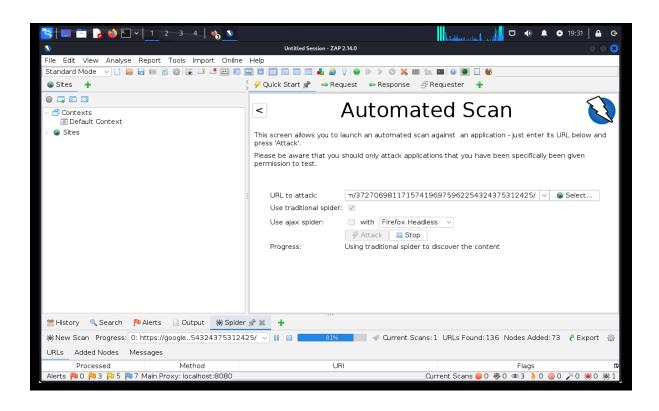
WARNING: Gruyere is not secure.

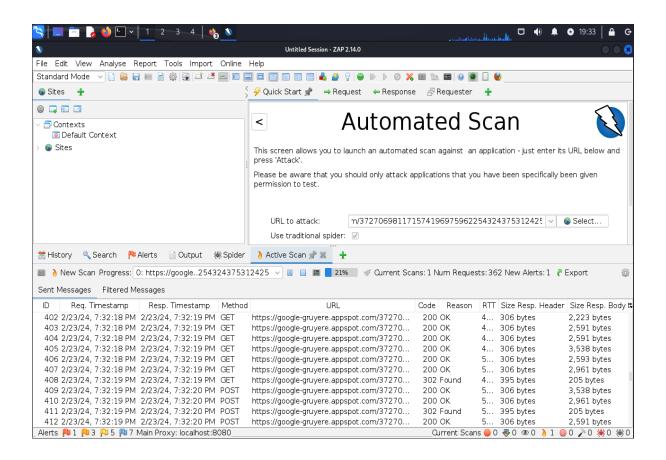
Do not upload any personal or private data.

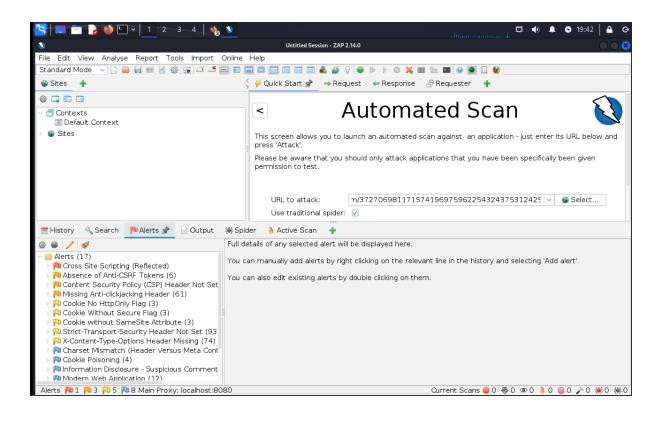
By using Gruyere you agree to the terms of service.

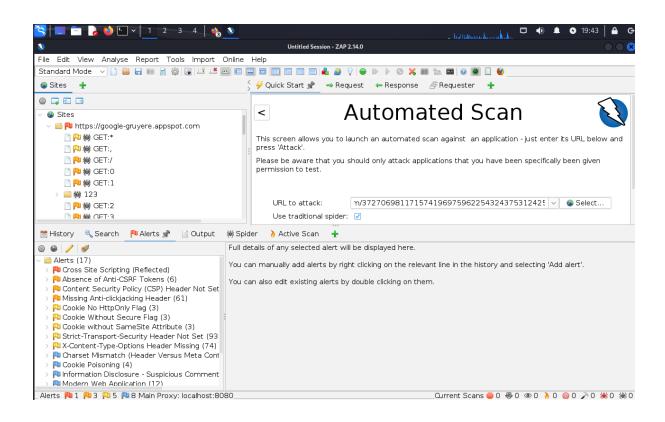
Agree & Start

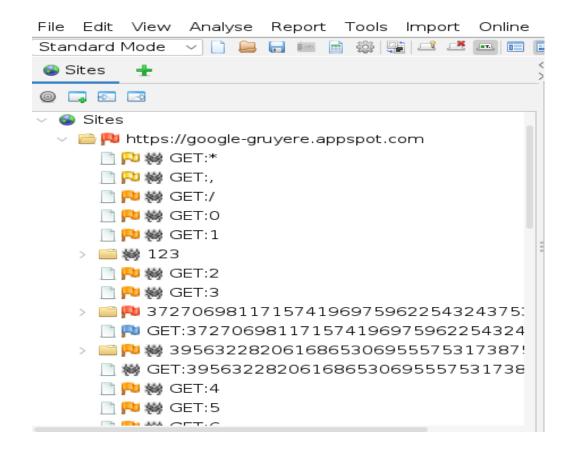


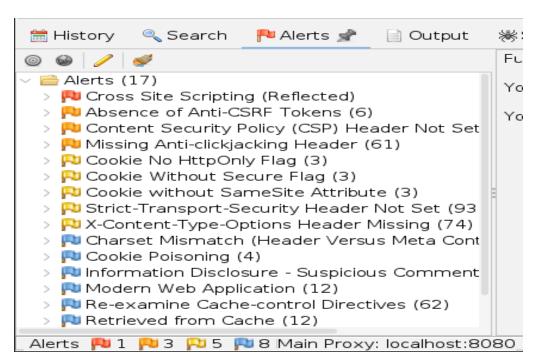


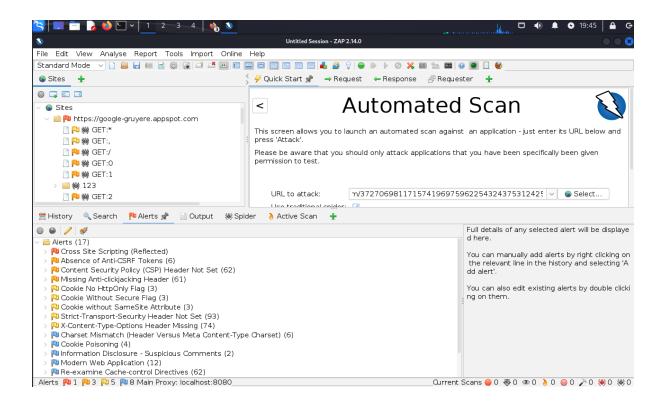


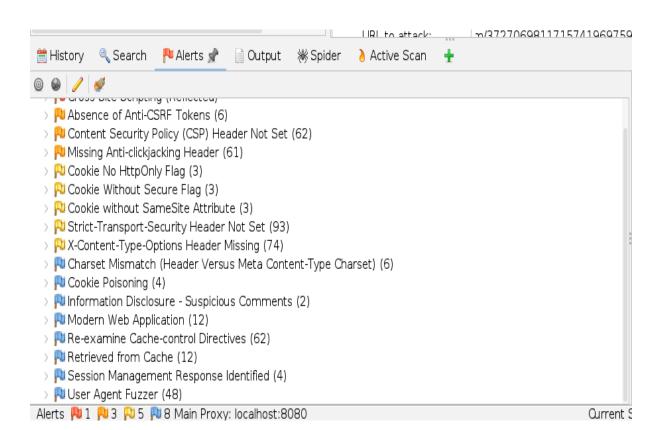


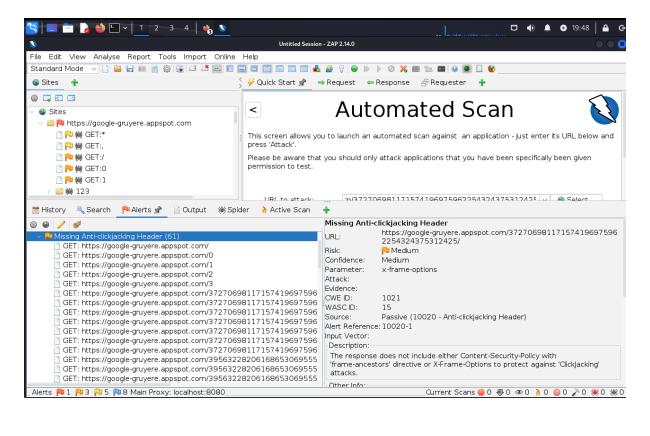


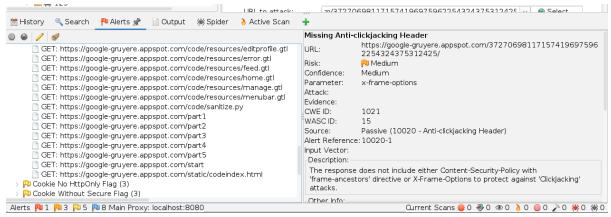




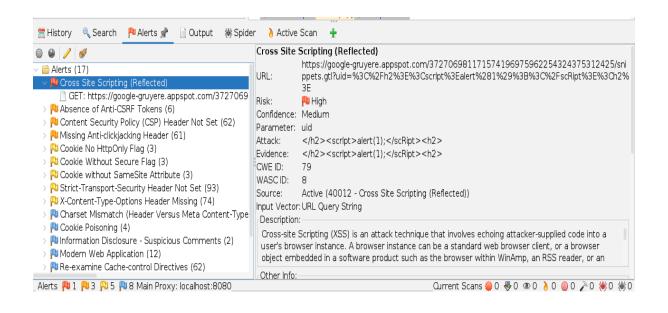






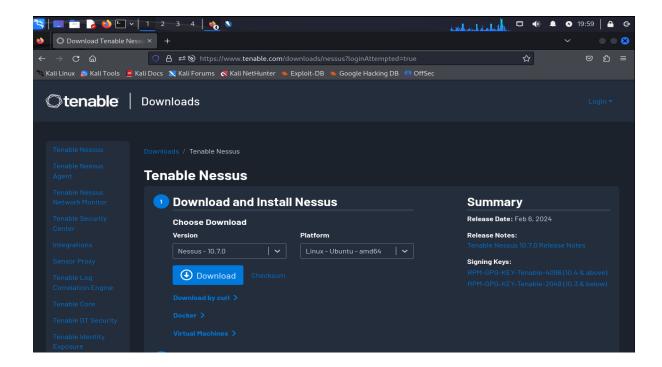








- 2. Perform a Nessus scan on your metasploitable IP. (5 Marks) List the vulnerabilities/ alerts identified in the scan. Export all the vulnerability report and put the file in a google drive link Give the following snapshots
 - Sign in snapshot of your user details
 - Date and time of scan started and completed
 - For any one vulnerability, show the CVSS score



```
polivardhinireddy@21BIT0382:-/Downloads

File Actions Edit View Help

(polivardhinireddy@21BIT0382)-[~]
$ cd ~/Downloads

(polivardhinireddy@21BIT0382)-[~/Downloads]
$ ls Nessus-10.7.0-debian10_amd64.deb ZAP_2_14_0_unix.sh

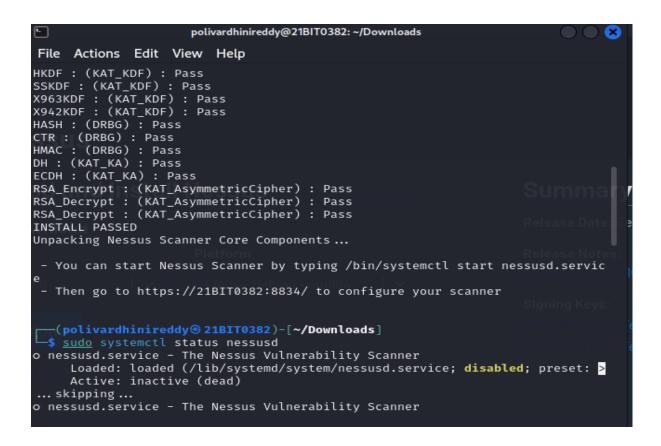
Massus-10.7.0-debian10_amd64.deb ZAP_2_14_0_unix.sh

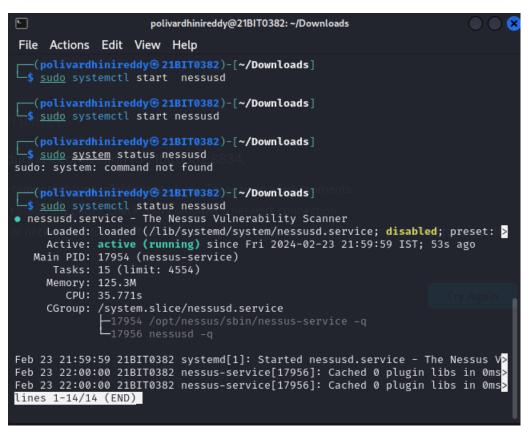
(polivardhinireddy@21BIT0382)-[~/Downloads]
$ sudo dpkg -i Nessus-10.7.0-debian10_amd64.deb
[sudo] password for polivardhinireddy:
Selecting previously unselected package nessus.
(Reading database ... 399426 files and directories currently installed.)

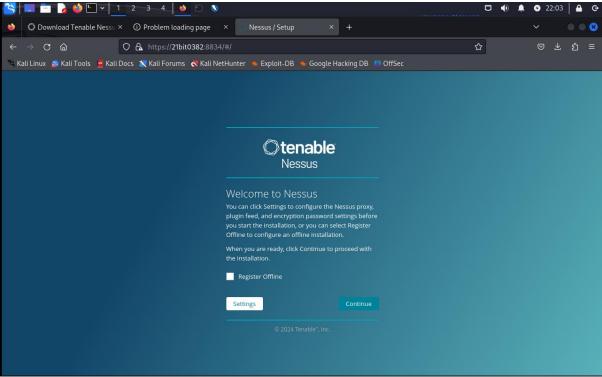
Preparing to unpack Nessus-10.7.0-debian10_amd64.deb ...

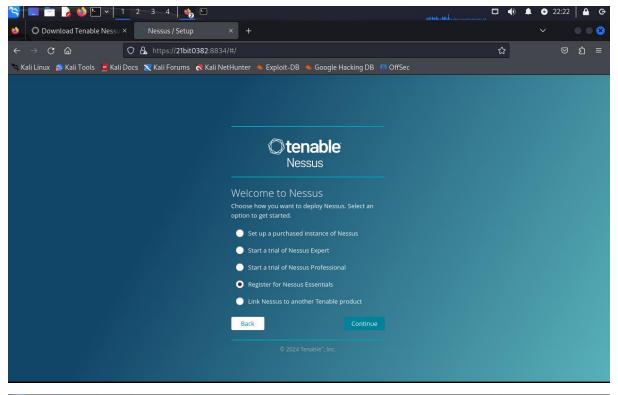
Unpacking nessus (10.7.0) ...
Setting up nessus (10.7.0) ...
HMAC: (Module_Integrity): Pass
SHA1: (KAT_Digest): Pass
SHA2: (KAT_Digest): Pass
SHA3: (KAT_Digest): Pass
SHA3: (KAT_Digest): Pass
SHA3: (KAT_Cipher): Pass
AES_ECM : (KAT_Cipher): Pass
AES_ECD_Decrypt: (KAT_Cipher): Pass
AES_ECD_Decrypt: (KAT_Cipher): Pass
RSA: (KAT_Signature): RNG: (Continuous_RNG_Test): Pass
ECDSA: (PCT_Signature): Pass
ECDSA: (PCT_Signature): Pass
```

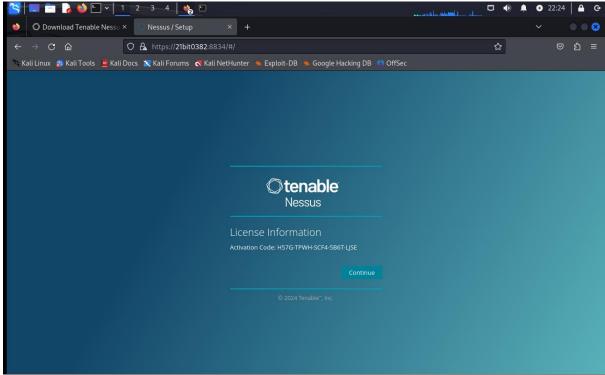
```
polivardhinireddy@21BIT0382: ~/Downloads
                                                                             File Actions Edit View Help
TLS13_KDF_EXPAND : (KAT_KDF) : Pass
TLS12_PRF : (KAT_KDF) : Pass
PBKDF2 : (KAT_KDF) : Pass
SSHKDF : (KAT_KDF) : Pass
KBKDF : (KAT_KDF) : Pass
HKDF : (KAT_KDF) : Pass
SSKDF : (KAT_KDF) : Pass
X963KDF : (KAT_KDF) : Pass
X942KDF : (KAT_KDF) : Pass
HASH : (DRBG) : Pass
CTR : (DRBG) : Pass
HMAC: (DRBG): Pass
DH : (KAT_KA) : Pass
ECDH : (KAT_KA) : Pass
RSA_Encrypt : (KAT_AsymmetricCipher) : Pass
RSA_Decrypt : (KAT_AsymmetricCipher) : Pass
RSA_Decrypt : (KAT_AsymmetricCipher) : Pass
INSTALL PASSED
Unpacking Nessus Scanner Core Components...
  You can start Nessus Scanner by typing /bin/systemctl start nessusd.servic
- Then go to https://21BIT0382:8834/ to configure your scanner
  -(polivardhinireddy&21BIT0382)-[~/Downloads]
```

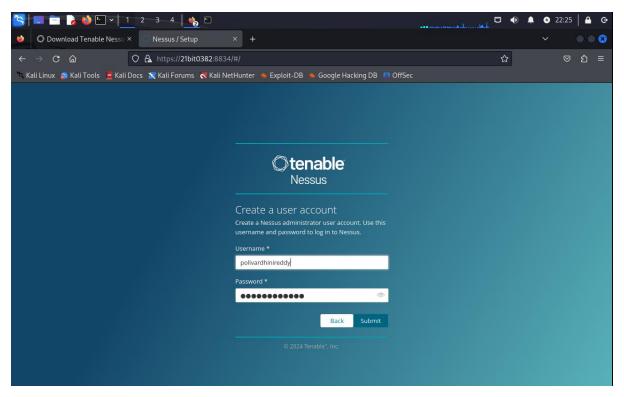


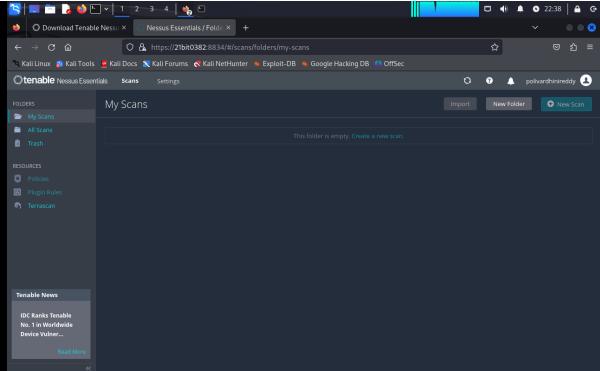


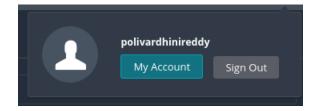


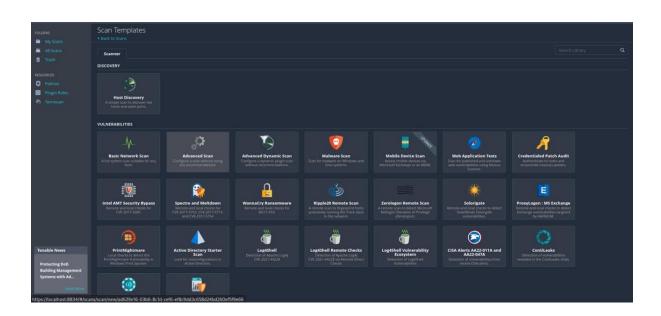


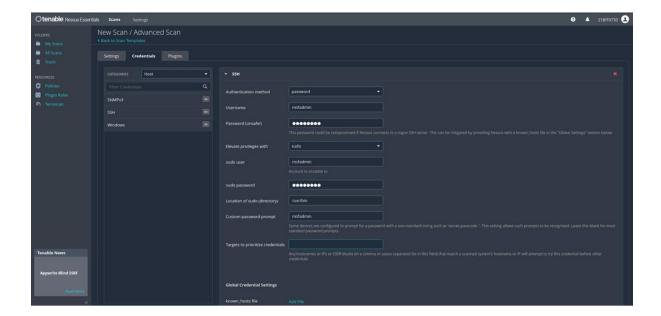


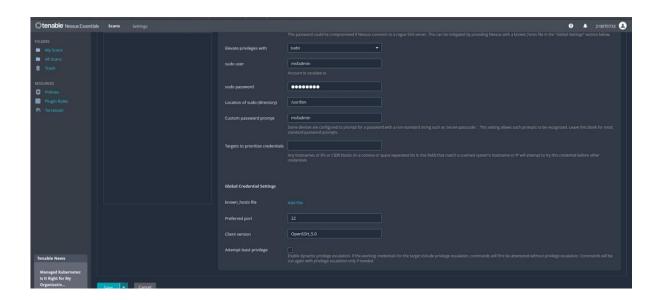


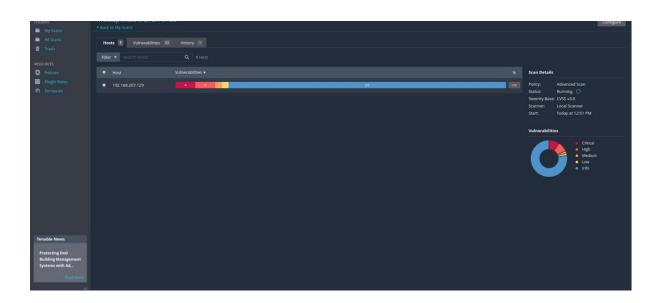




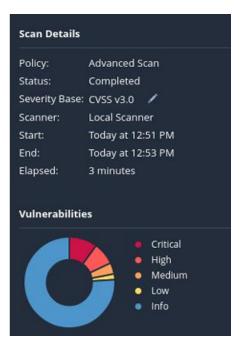




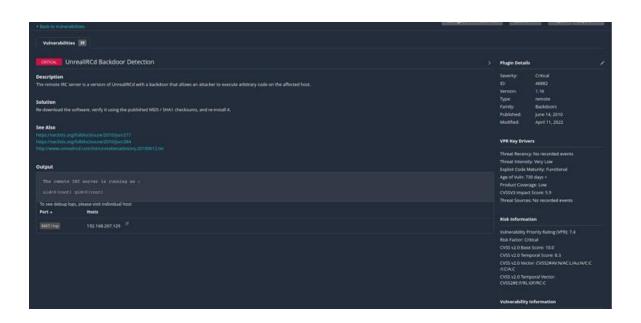












Plugin Details Severity: 46882 Version: Type: remote Backdoors Family: Published: June 14, 2010 Modified: April 11, 2022 **VPR Key Drivers** Threat Recency: No recorded events Threat Intensity: Very Low Exploit Code Maturity: Functional Age of Vuln: 730 days + Product Coverage: Low CVSSV3 Impact Score: 5.9 Threat Sources: No recorded events **Risk Information** Vulnerability Priority Rating (VPR): 7.4 Risk Factor: Critical CVSS v2.0 Base Score: 10.0 CVSS v2.0 Temporal Score: 8.3 CVSS v2.0 Vector: CVSS2#AV:N/AC:L/Au:N/C:C CVSS v2.0 Temporal Vector: CVSS2#E:F/RL:OF/RC:C

