**Week 6 Homework Submission File: Advanced Bash - Owning the System**

Please edit this file by adding the solution commands on the line below the prompt.

Save and submit the completed file for your homework submission.

**Step 1: Shadow People**

1. Create a secret user named sysd. Make sure this user doesn't have a home folder created:
   * Your solution command here

Text

Description automatically generatedd

1. Give your secret user a password:
   * Your solution command here

**SEE SCREENSHOT Above**

1. Give your secret user a system UID < 1000:





* + Your solution command here

1. Give your secret user the same GID:
   * Your solution command here

**SEE SCREENSHOT Above**

1. Give your secret user full sudo access without the need for a password:
   * Your solution command here

**sudo visudo**

Text

Description automatically generated

1. Test that sudo access works without your password:

Text

Description automatically generated

**Step 2: Smooth Sailing**

1. Edit the sshd\_config file:

nano sshd\_config

A picture containing text

Description automatically generated

**Step 3: Testing Your Configuration Update**

1. Restart the SSH service:
   * Your solution command here

Graphical user interface, text, application, email

Description automatically generated

1. Exit the root account:
   * Your solution command here

A picture containing background pattern

Description automatically generated

1. SSH to the target machine using your sysd account and port 2222:
   * Your solution command here

Text

Description automatically generated

1. Use sudo to switch to the root user:
   * Your solution command here

Text, letter

Description automatically generated

**Step 4: Crack All the Passwords**

1. SSH back to the system using your sysd account and port 2222:
   * Your solution command here

Text

Description automatically generated

1. Escalate your privileges to the root user. Use John to crack the entire /etc/shadow file:
   * Your solution command here

Text, letter

Description automatically generated

**I had executed john and my system crashed and I lost view of cracked passwords and I can’t crack them again. See below.**

Text

Description automatically generated



Text

Description automatically generated