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`

2. Give your secret user a password:

   - `Your solution command here`

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

   - `Your solution command here`

4. Give your secret user the same GID:

   - `Your solution command here`

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

   - `Your solution command here`

6. Test that `sudo` access works without your password:

   ```
   Your bash commands here
   ```

Step 2: Smooth Sailing

1. Edit the `sshd_config` file:

```
Your bash commands here
```

Step 3: Testing Your Configuration Update 1. Restart the SSH service: -

`Your solution command here`

1. Exit the `root` account:

   - `Your solution command here`

2. SSH to the target machine using your `sysd` account and port `2222`:

   - `Your solution command here`

3. Use `sudo` to switch to the root user:

   - `Your solution command here`

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`