

Task 6: Remote System Access

Objective:

Practice accessing a remote system and transferring files using SSH and SCP.

Prerequisites

- A local Linux machine or VM
- SSH server installed on remote system
- File: LinuxHistory.txt present on local machine

Step 1: Connect to Remote System using SSH

Command:

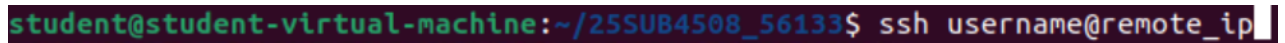
```
ssh username@remote_ip
```

Output:

Welcome to Ubuntu...

username@remote:~\$

Screenshot :

A terminal window showing the command 'ssh username@remote_ip' being executed. The prompt is 'student@student-virtual-machine:~/25SUB4508_56133\$'.

```
student@student-virtual-machine:~/25SUB4508_56133$ ssh username@remote_ip
```

Step 2: Copy File using SCP

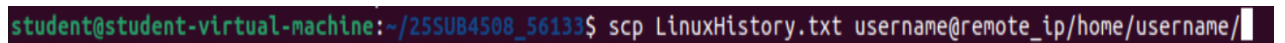
Command:

```
scp LinuxHistory.txt username@remote_ip:/home/username/
```

Output:

LinuxHistory.txt 100% 2KB 1.2MB/s 00:00

Screenshot :

A terminal window showing the command 'scp LinuxHistory.txt username@remote_ip:/home/username/' being executed. The prompt is 'student@student-virtual-machine:~/25SUB4508_56133\$'.

```
student@student-virtual-machine:~/25SUB4508_56133$ scp LinuxHistory.txt username@remote_ip:/home/username/
```

Step 3: Verify File on Remote System

Command:

```
ls
```

Output:

LinuxHistory.txt

External Tools Use

- OpenSSH (ssh, scp)
- Linux Terminal

- VirtualBox / VMware (if VM is used)
- Ubuntu Linux