

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 :

```
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 :

```
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