## TASK 5

## Secure File Transfer

**Task:** Configure SSH for secure remote access to a server. Using SCP, transfer a file from your local machine to the remote server. Document the steps involved, including setting up SSH keys for authentication and using SCP for the transfer.

## For Connecting to remote server:

1. Install openssh-client:

```
venis@venis-VirtualBox:~/DevOps$ sudo apt install openssh-client
[sudo] password for venis:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssh-client is already the newest version (1:8.9p1-3ubuntu0.6).
openssh-client set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 61 not upgraded.
```

2. Generate the ssh key:

3. Connect to the remote server:

venis@venis-VirtualBox:~/DevOps\$ sudo ssh venis@127.0.0.1
The authenticity of host '127.0.0.1 (127.0.0.1)' can't be established.
ED25519 key fingerprint is SHA256:J4sxH+sFYESexUiPxiG2xpcgVU1PijlEL7b1kBUWRDI.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '127.0.0.1' (ED25519) to the list of known hosts.
venis@127.0.0.1's password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 6.2.0-39-generic x86\_64)

\* Documentation: https://help.ubuntu.com
\* Management: https://landscape.canonical.com
\* Support: https://landscape.canonical.com

\* Support: https://ubuntu.com/advantage

Expanded Security Maintenance for Applications is not enabled.
61 updates can be applied immediately.
5 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

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the exact distribution terms for each program are described in the individual files in /usr/share/doc/\*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by

applicable law.