

Challenges - SSH, scp, rsync

How to solve these challenges:

- To be consistent with the filenames and paths run the commands on Ubuntu
- Write your solution **in a terminal** and **test it**.
- If your solution is not correct, then try to understand the error messages, watch the video again, rewrite the solution, and test it again. Repeat this step until you get the correct solution.
- **Save** the solution in a file for future reference or recap.

Challenge #1

- Start 2 Linux VMs with the network in bridged mode and check that they are reachable using **ping**.

Are you stuck? Do you want to see the solution to this challenge? Click [here](#).

Challenge #2

- Install OpenSSH on one Linux VM, check the service status, and then connect to it using the **ssh** client from the other Linux VM.

Are you stuck? Do you want to see the solution to this challenge? Click [here](#).

Challenge #3

- Secure the SSH Daemon:
- change the listening Port to **2266**
- allow only a single non-privileged user to connect to the SSH server.
- Disable root login entirely.

Are you stuck? Do you want to see the solution to this challenge? Click [here](#).

Challenge #4

- Create a directory and a file in the user's home directory.
- Using **scp**, copy both the file and the directory to the remote Linux VM where the SSH daemon is running.

Are you stuck? Do you want to see the solution to this challenge? Click [here](#).

Challenge #5

- Using **scp**, copy a file from the remote VM where the SSH daemon is running to the local machine, in the current directory.

Are you stuck? Do you want to see the solution to this challenge? Click [here](#).

Challenge #6

- Solve the last 2 challenges using **rsync** instead of **scp**.

Are you stuck? Do you want to see the solution to this challenge? Click [here](#).