# LUDD VM Simple Guide

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## 1 Generate SSH key on Windows

1. Open Windows Powershell

2. Enter the command `ssh-keygen` and follow the procedure to generate a new ssh key pair.

3. Enter the following command `cat ~/.ssh/id_rsa.pub` and copy the output to the clipboard.

## 2 How to allocate your Virtual Machine from LUDD

1. Goto the dashboard and login with your LTU credentials.

2. Navigate to the public key page for your account (public key).

3. Paste your public ssh key and save it.

4. Navigate to the join project page (join project).

5. Enter the code `kademlia4lyf` to join the course project.

6. Navigate to the project page (project).

7. Make sure you have selected the project Course-D7024E then hit the *Launch new Virtual Machine* button and follow the setup process.

You VM will get Ubuntu 18.04 as the OS, 8 vCPU cores, 8 GB of RAM and 64 GB of disk space. NOTE: if you change the name of the server during the setup process you will need to add the name to /etc/hosts in order to get the package manager to work.

# 3 How to assign a public IP to the Virtual Machine

- From the Dashboard, under the Actions tab choose assign public IP and choose random.

- By clicking on the name of your VM and then clicking the assign public IP button.

# 4 How to connect to your Virtual Machine

1. Navigate back to the dashboard

2. Click on the name of your VM

3. Copy the ssh command that appears on the machine page

4. Paste into Windows Powershell and your ssh session should start.