

1) Login into Azure portal with your Technion user (e.g. efrat.maimon@technion.ac.il) and password.

<https://portal.azure.com/#>

2) Choose the course subscription **IEM-097215**

Microsoft Azure

Search resources, services, and docs (G+)

Dashboard >

Virtual machines

Technion (technionmail.onmicrosoft.com)

+ Add Switch to classic Reservations Manage view Refresh Export to CSV

Filter for any field... Subscription == IEM - 097215 Resource group == all Location == all

Showing 1 to 49 of 49 records.

| Name | Subscription | Resource group | Location |
|---------------|--------------|---------------------------|----------|
| nlp2020s-0000 | IEM - 097215 | nlpcourse-lab-nlp2020s... | East US |
| nlp2020s-0001 | IEM - 097215 | nlpcourse-lab-nlp2020s... | East US |
| nlp2020s-0002 | IEM - 097215 | nlpcourse-lab-nlp2020s... | East US |
| nlp2020s-0003 | IEM - 097215 | nlpcourse-lab-nlp2020s... | East US |
| nlp2020s-0004 | IEM - 097215 | nlpcourse-lab-nlp2020s... | East US |

3) Click on your VM name and Start

nlp2020s-0000

Virtual machine

Search (Ctrl+)

Connect Start Restart Stop Capture Delete

Advisor (1 of 4): Disk encryption should be applied on virtual machines →

Essentials

Resource group (change) : nlpcourse-lab-nlp2020s-0000-765880

Status : Stopped (deallocated)

Location : East US

Subscription (change) : IEM - 097215

Subscription ID : 57831d45-fd8f-42ee-8077-5673a500b110

Tags (change) : [Click here to add tags](#)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

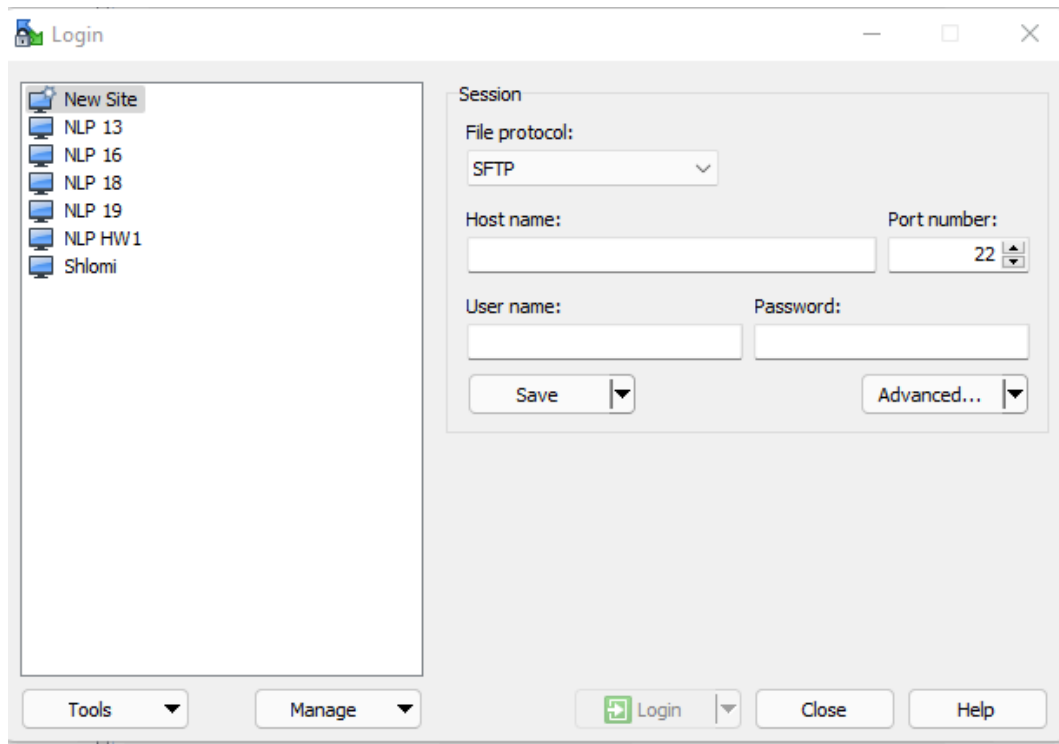
Networking

Connect

4) Copy the DNS name

| | |
|------------------------|--|
| Operating system | : Linux |
| Size | : Standard D4s v3 (4 vcpus, 16 GiB memory) |
| Public IP address | : nlp2021w-0000 |
| Virtual network/subnet | : DtlNlpcourse-lab/DtlNlpcourse-labSubnet |
| DNS name | : nlp2021w-0000.eastus.cloudapp.azure.com |

Open the WinSCP program: (go to <https://winscp.net/eng/download.php> to download it)



Copy the DNS to the Host name.

- User name: student
- Password: Technion2023!

And save.

Now you can upload files with the WinSCP program. To run code, click the open session in putty



5) If the VM has not CPU and RAM utilization for 30 minutes the VM will stop automatically. A broadcast message is sent to all sessions.

You can cancel the stop process with **cancel_shutdown** command.

```
student@nlp2020s-0000:~$ cancel_shutdown
```

7) After you finish your work, you must stop the VM (if not we will pay for the VM resources)

The screenshot shows the Azure portal interface for a virtual machine named 'nlp2020s-0000'. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, and Settings. The main content area displays the VM's status as 'Running'. The top toolbar includes buttons for Connect, Start, Restart, Stop (circled in red), Capture, Delete, and Refresh. An advisor message at the top states: 'Advisor (1 of 4): Internet-facing virtual machines should be protected with network security group'. The 'Essentials' section lists the following details:

- Resource group (change): nlpcourse-lab-nlp2020s-0000-765880
- Status: Running
- Location: East US
- Subscription (change): IEM - 097215
- Subscription ID: 57831d45-fd8f-42ee-8077-5673a500b110
- Tags (change): Click here to add tags

After that you should see the VM Status as **Stopped (deallocated)**.

The screenshot shows the Azure portal interface for the same virtual machine 'nlp2020s-0000'. The status is now 'Stopped (deallocated)', which is circled in red. The top toolbar shows the 'Stop' button as disabled. The advisor message at the top is: 'Advisor (1 of 4): Disk encryption should be applied on virtual machines →'. The 'Essentials' section lists the following details:

- Resource group (change): nlpcourse-lab-nlp2020s-0000-765880
- Status: Stopped (deallocated)
- Location: East US
- Subscription (change): IEM - 097215
- Subscription ID: 57831d45-fd8f-42ee-8077-5673a500b110
- Tags (change): Click here to add tags

Additional useful tips:

The screen command: <https://linuxize.com/post/how-to-use-linux-screen/>

Defining the machine as an interpreter in pycharm:

<https://www.jetbrains.com/help/pycharm/configuring-remote-interpreters-via-ssh.html#ssh>

You can use the DNS as the host instead of the IP address, which changes each time you turn on the machine.

You can also configure the remote host to allow you to upload files from the pycharm:

<https://www.jetbrains.com/help/pycharm/creating-a-remote-server-configuration.html#enable>