

Starting lab 2 in Azure

Please read fully before starting

Joining the lab and starting the machines

Mail - David Abramian - Outlook x +

outlook.office.com/mail/inbox/id/AAQkADU1MjFmYzYxLTliMDUtNDRIZi1iYWQyLTFkNDliNmJIZWE1MQAQAIHNW0sXhspCmm0tdZwjFtl...

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Register for Lab - TBMi26 2021

Microsoft Azure Tue 2021-01-19 5:13 PM To: David Abramian

Microsoft Azure

David Abramian invited you to the lab: TBMi26 2021

Register now to access the virtual machines in the lab.

[Register for the lab >](#)

f t y in

[Privacy Statement](#)

Microsoft Corporation, One Microsoft Way, Redmond, WA 98052

Microsoft

Reply Forward


Press to access your virtual machine.

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labs.azure.com/virtualmachines

Azure Lab Services

My virtual machines

TBMI26 2021 

0.4 / 4 hour(s) used

☒ Stopped  

Start the virtual machine.

Feedback


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☐ Starting...



It may take a few minutes.

Feedback


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Running



Once it's running, press to get your login command.

Feedback

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Running

Reset password

Enter a new password to be used when logging in.
Resetting the password may take several minutes.

Username
tbmi26

Password

Reset password Cancel

The first time you will be prompted to set your password. This will take a few minutes.

Feedback


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0.4 / 4 hour(s) used


☒ Running



Connect to your virtual machine

To connect to your Linux virtual machine using SSH, use the following command:

```
ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
```

 Copy

Done

This is your login command.
Copy it entirely.

Feedback

Logging in with Linux/Mac

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Name v	Modified v	Modified By v	Version v	Description v
azure_launch_jupyter.bat	16 minutes ago	David Abramian	1.0	
azure_launch_jupyter.sh	16 minutes ago	David Abramian	1.0	
lab_gpu.yml	17 minutes ago	David Abramian	1.0	
lab_macos.yml	17 minutes ago	David Abramian	1.0	
lab_nogpu.yml	17 minutes ago	David Abramian	1.0	

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davab27@ad-mac0558: ~

Open a terminal.


```
davab27@ad-mac0558: ~ bash Downloads/azure_launch_jupyter.sh ssh -p 63459 tbmi26  
@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
```

Input the following command:

- **bash**
- the path to the launch script
- the entire Azure login command

```
davab27 — ssh • bash Downloads/azure_launch_jupyter.sh ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.c...  
davab27@ad-mac0558: ~ bash Downloads/azure_launch_jupyter.sh ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com  
The authenticity of host '[ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com]:63459 ([51.124.10.211]:63459)' can't be established.  
ECDSA key fingerprint is SHA256:JIALBD7yf+MhNNEZGZ1A9+798AgafrKpBBc7ozHr400.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
```

You will get a warning about
accessing an unknown host. Say **yes**.

```
davab27 — ssh • bash Downloads/azure_launch_jupyter.sh ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.c...
davab27@ad-mac0558: ~ bash Downloads/azure_launch_jupyter.sh ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
The authenticity of host '[ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com]:63459 ([51.124.10.211]:63459)' can't be established.
ECDSA key fingerprint is SHA256:JIALBD7yf+MhNNEZGZ1A9+798AgafrKpBBc7ozHr400.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com]:63459,[51.124.10.211]:63459' (ECDSA) to the list of known hosts.
tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
's password: 
```

You will be prompted for your password (the one from slide 7). Note that **nothing will be printed** as you type!

```
davab27 — ssh • bash Downloads/azure_launch_jupyter.sh ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.c...
davab27@ad-mac0558: ~ bash Downloads/azure_launch_jupyter.sh ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
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Warning: Permanently added '[ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com]:63459,[51.124.10.211]:63459' (ECDSA) to the list of known hosts.
tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com's password:
[I 17:20:20.441 LabApp] JupyterLab extension loaded from /anaconda/envs/lab_test/lib/python3.8/site-packages/jupyterlab
[I 17:20:20.441 LabApp] JupyterLab application directory is /anaconda/envs/lab_test/share/jupyter/lab
[I 17:20:20.443 LabApp] Serving notebooks from local directory: /home/tbmi26/lab
[I 17:20:20.443 LabApp] Jupyter Notebook 6.1.5 is running at:
[I 17:20:20.443 LabApp] http://localhost:8888/
[I 17:20:20.443 LabApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
```

Once you log in, Jupyter will be launched automatically. This can take a little time.

Logging in with Windows 10

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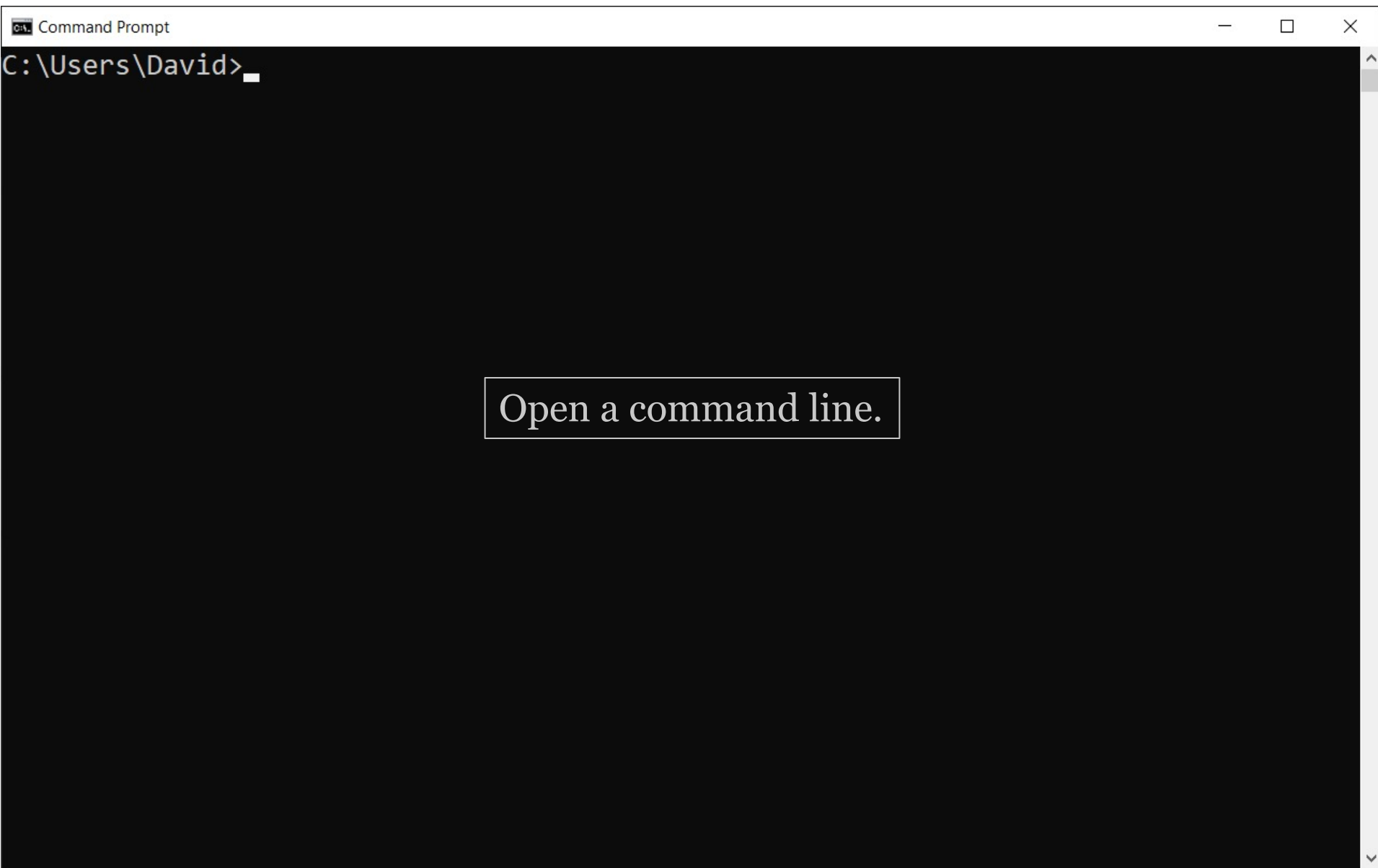
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+ New v Upload v Edit in grid view Share Copy link Sync ... All Documents v

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lab_macos.yml	17 minutes ago	David Abramian	1.0	
lab_nogpu.yml	17 minutes ago	David Abramian	1.0	

Go to Lisam and download this file. Note where it is saved.



Command Prompt

```
C:\Users\David>Downloads\azure_launch_jupyter.bat ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
```

Input the following command:

- the path to the launch script
- the entire Azure login command

```
Command Prompt - Downloads\azure_launch_jupyter.bat ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
C:\Users\David>Downloads\azure_launch_jupyter.bat ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
The authenticity of host '[ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com]:63459 ([51.124.10.211]:63459)' can't be established.
ECDSA key fingerprint is SHA256:JIALBD7yf+MhNNEZGZ1A9+798AgafrKpBBc7ozHr400.
Are you sure you want to continue connecting (yes/no)? yes
```

You will get a warning about
accessing an unknown host. Say **yes**.

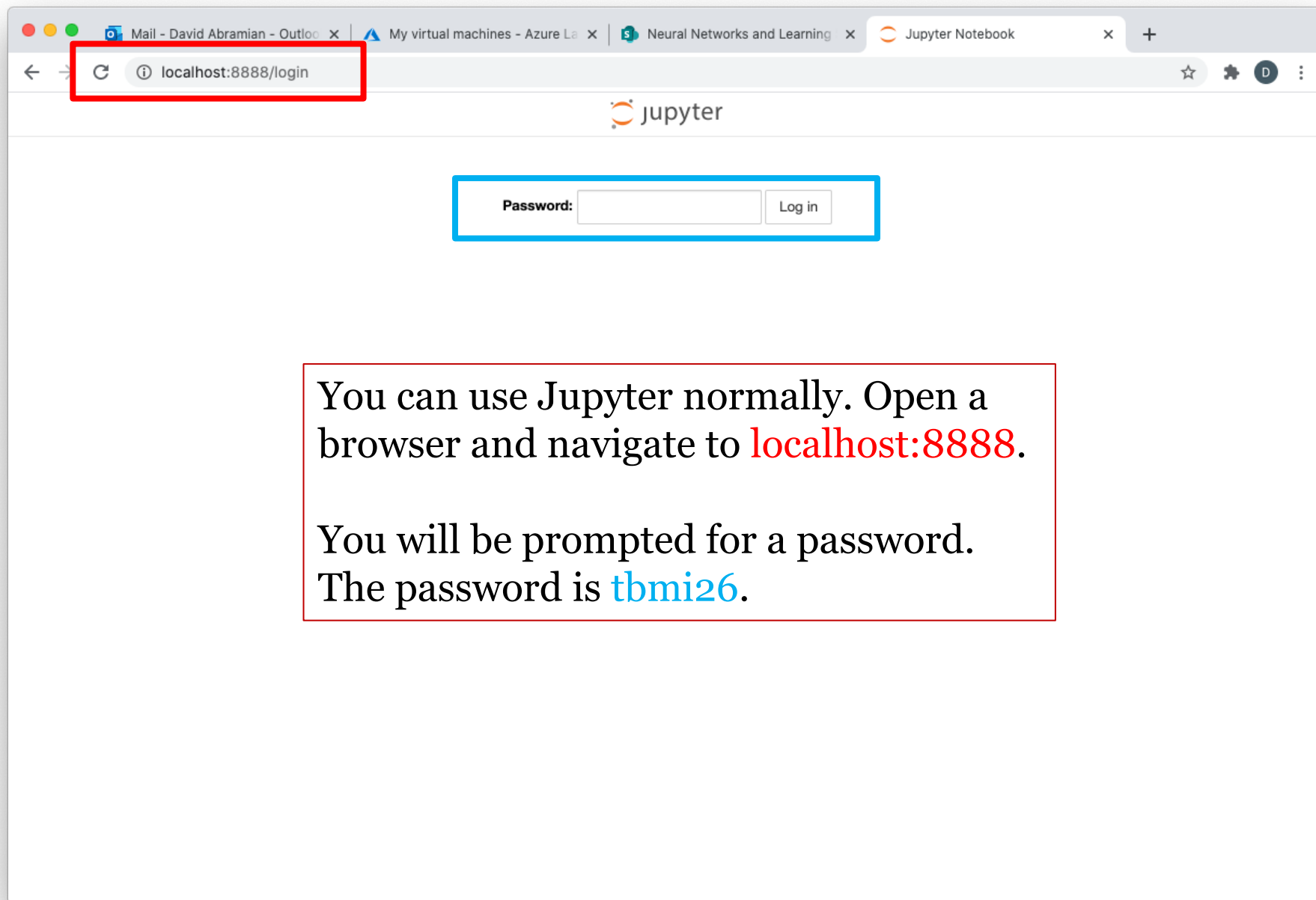
```
Command Prompt - Downloads\azure_launch_jupyter.bat ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
C:\Users\David>Downloads\azure_launch_jupyter.bat ssh -p 63459 tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
The authenticity of host '[ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com]:63459 ([51.124.10.211]:63459)' can't be established.
ECDSA key fingerprint is SHA256:JIALBD7yf+MhNNEZGZ1A9+798AgafrKpBBc7ozHr400.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '[ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com]:63459,[51.124.10.211]:63459' (ECDSA) to the list of known hosts.
tbmi26@ml-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com's password: _
```

You will be prompted for your password (the one from slide 7). Note that **nothing will be printed** as you type!


```
OpenSSH SSH client
C:\Users\David>Downloads\azure_launch_jupyter.bat ssh -p 63459 tbmi26@m1-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com
The authenticity of host '[m1-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com]:63459 ([51.124.10.211]:63459)' can't be established.
ECDSA key fingerprint is SHA256:JIALBD7yf+MhNNEZGZ1A9+798AgafrKpBBc7ozHr400.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '[m1-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com]:63459,[51.124.10.211]:63459' (ECDSA) to the list of known hosts.
tbmi26@m1-lab-47c4597b-3725-457f-bf9c-0038ff934f32.westeurope.cloudapp.azure.com's password:
[I 17:41:38.501 LabApp] JupyterLab extension loaded from /anaconda/envs/lab_test/lib/python3.8/site-packages/jupyterlab
[I 17:41:38.502 LabApp] JupyterLab application directory is /anaconda/envs/lab_test/share/jupyter/lab
[I 17:41:38.504 LabApp] Serving notebooks from local directory: /home/tbmi26/lab
[I 17:41:38.504 LabApp] Jupyter Notebook 6.1.5 is running at:
[I 17:41:38.504 LabApp] http://localhost:8888/
[I 17:41:38.504 LabApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
```

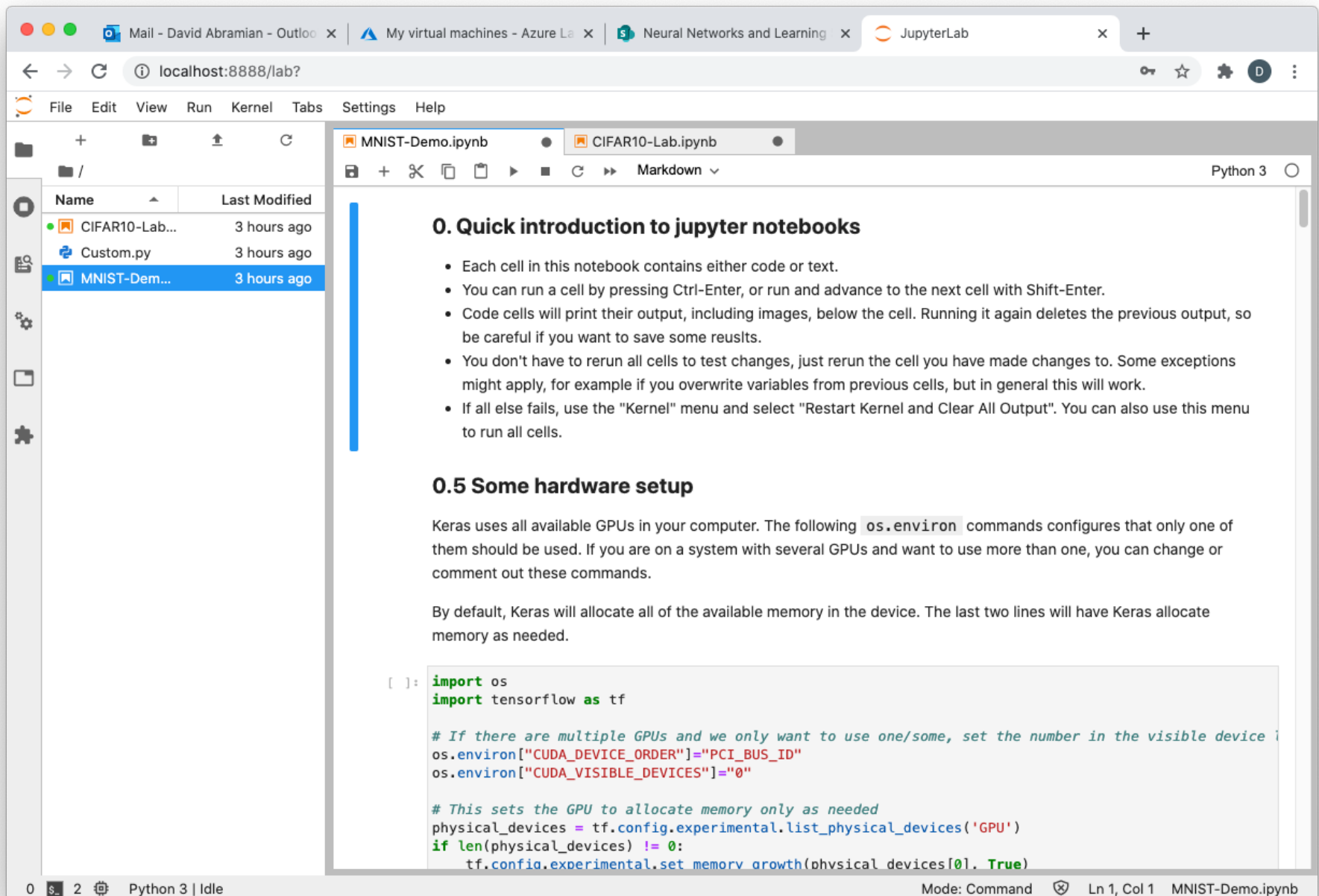
Once you log in, Jupyter will be launched automatically. This can take a little time.

Running the lab



You can use Jupyter normally. Open a browser and navigate to **localhost:8888**.

You will be prompted for a password. The password is **tbmi26**.



When you are done

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My virtual machines

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☐ Stopping...

Remember to shut down the virtual machine! Your time is used as long as it is on.

Feedback