

Azure Lab Services

labs.azure.com

Azure Lab Services


Bejelentkezés

Üdvözli az Azure Lab Services

Az Azure Lab Services-zel könnyedén tarthat tanórát, beállíthat egy képzési tesztkörnyezetet, vagy Hackathon versenyt tarthat a felhőben, amelyet a diákok és a felhasználók bármikor, bárholnan elérhetnek.

Nyissa meg az Azure Lab Services weboldalát a böngészőjében.


Már felhasználó? [Bejelentkezés](#)




Most kezdi meg az Azure Lab Services használatát?

Kövesse az alábbi lépéseket a kezdéshez.


1 Azure-előfizetés igénylése

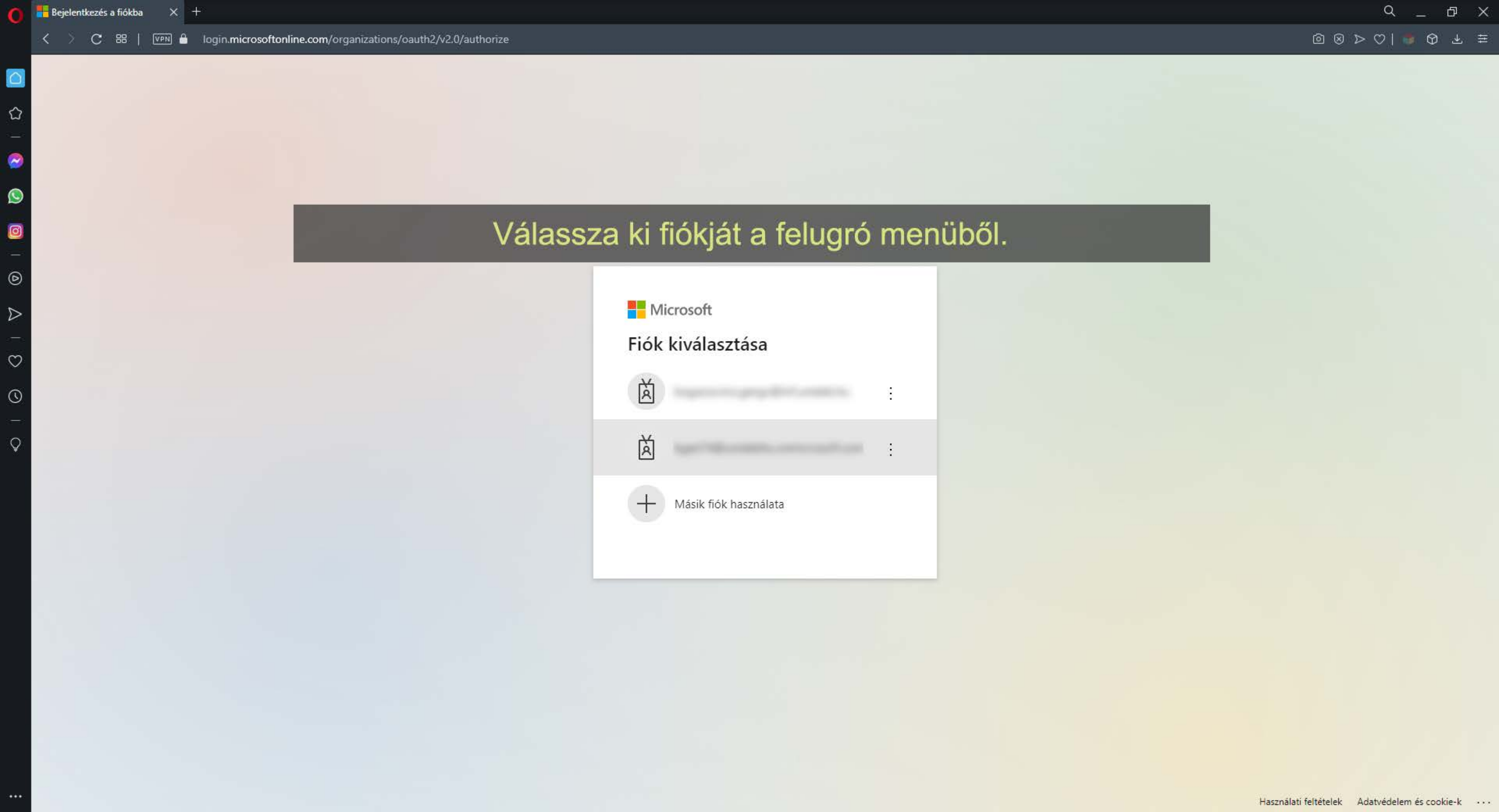


2 Tesztkörnyezeti fiók hozzáadása



3 Az első tesztkörnyezet létrehozása

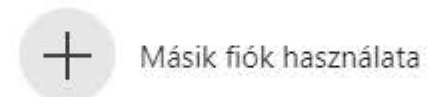




Válassza ki fiókját a felugró menüből.



Fiók kiválasztása



Saját virtuális gépek – Azure

labs.azure.com/virtualmachines

Azure Lab Services

Saját virtuális gépek

TestLab

0 / 1 óra felhasználva

Beállítva

Válassza ki a használni kívánt virtuális gépet és indítsa el.

Visszajelzés

Saját virtuális gépek – Azure

labs.azure.com/virtualmachines

Azure Lab Services

Saját virtuális gépek

TestLab

0 / 1 óra felhasználva

A virtuális gép leállításához kattintson ide.

Futtatás

Kattintson a „Csatlakozás a virtuális géphez” ikonra.

Visszajelzés

Saját virtuális gépek – Azure

labs.azure.com/virtualmachines

Azure Lab Services

Saját virtuális gépek

TestLab

0 / 1 óra felhasználva

Futtatás

Jelszó beállítása

Adja meg a bejelentkezéskor használandó új jelszót. A jelszó beállítása több percet is igénybe vehet.

Felhasználónév

username

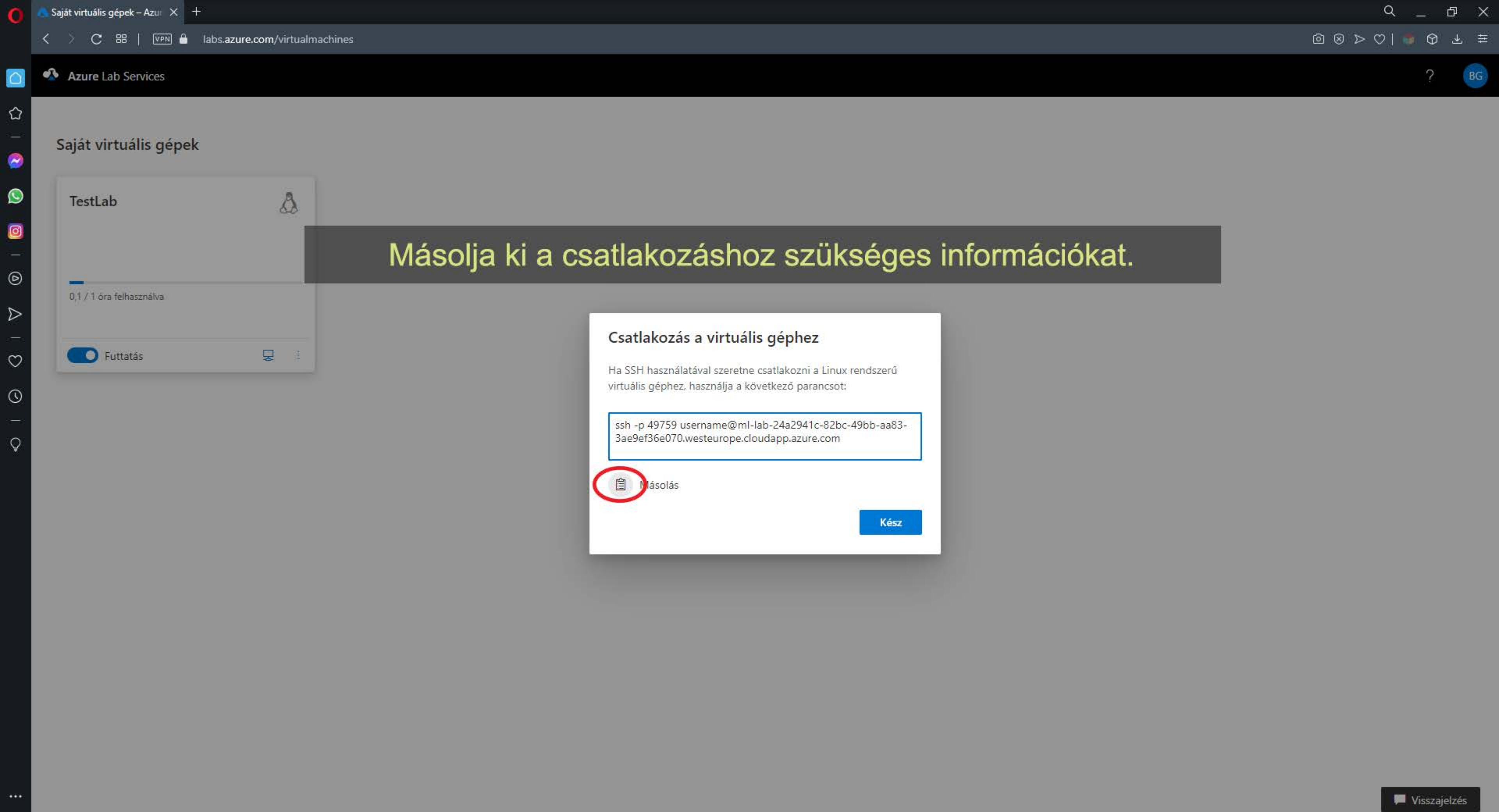
Jelszó

Jelszó beállítása

Mégse

Adja meg az Ön által használni tervezett, saját jelszavát.

Visszajelzés



Másolja ki a csatlakozáshoz szükséges információkat.

Csatlakozás a virtuális géphez

Ha SSH használatával szeretne csatlakozni a Linux rendszerű virtuális géphez, használja a következő parancsot:

```
ssh -p 49759 username@ml-lab-24a2941c-82bc-49bb-aa83-3ae9ef36e070.westeurope.cloudapp.azure.com
```

 Másolás

Kész

FileEditSelectionViewGoRunTerminalHelp

EXTENSIONS: MAR...

ssh

Remote - SSH0.64.0

Open any folder on a remote machine ...

Microsoft

SSH FS1.19.4

File system, terminal and task provider ...

Kelvin Schoofs

Remote - SSH: Editing Config...0.65.1

Edit SSH configuration files

Microsoft

Remote - SSH (Nightly)2021.3.13860

Open any folder on a remote machine ...

Microsoft

Remote X11 (SSH)1.5.0

Enables X11 forwarding with the Remot...

Joel Spadin

SSH Client1.8.1

SSH Client for vscode

cweijan

SSH Tools1.0.16

SSH Tools for vscode

XPLOTT

SSH Tooling0.0.4

Edit SSH config and launch host config...

Christof Marti

SSH Terminal0.0.4

SSH Terminal

cooper

Terminal SSH0.2.1

Terminal SSH

sailhenz

Google Cloud Platform SSH1.0.0

Connect to Google Cloud VM instances...

Andrew Dircks

upload-files-ssh0.5.0

Carregar arquivos para o servidor utiliz...

Ricardo B. Macedo

Extension: Remote - SSH X

Remote - SSHms-vscode-remote.remote-sshPreview

Microsoft | 2 982 288 | ★★★★★ | Repository | License | v0.64.0

Open any folder on a remote machine using SSH and take advantage of VS Code's full feature set.

Disable

Uninstall

This extension is enabled globally.

Details

Feature Contributions

Telepítse a Remote - SSH Visual Studio Code kiegészítőt.

Extension Pack (1)

Remote - SSH: Editing Config...Edit SSH configuration filesMicrosoft

Visual Studio Code Remote - SSH

The Remote - SSH extension lets you use any remote machine with a SSH server as your development environment. This can greatly simplify development and troubleshooting in a wide variety of situations. You can:

Develop on the same operating system you deploy to or use larger, faster, or more specialized hardware than your local machine.

Quickly swap between different, remote development environments and safely make updates without worrying about impacting your local machine.

Access an existing development environment from multiple machines or locations.

Debug an application running somewhere else such as a customer site or in the cloud.

No source code needs to be on your local machine to gain these benefits since the extension runs commands and other extensions directly on the remote machine. You can open any folder on the remote machine and work with it just as you would if the folder were on your own machine.

SSH Host Requirements

You can connect to a running SSH server on the following platforms.

00

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REMOTE EXPLORER

SSH TARGETS

+ 🔧 ↻

> ml-lab-24a2941c-82bc-49bb... +

> HELP AND FEEDBACK

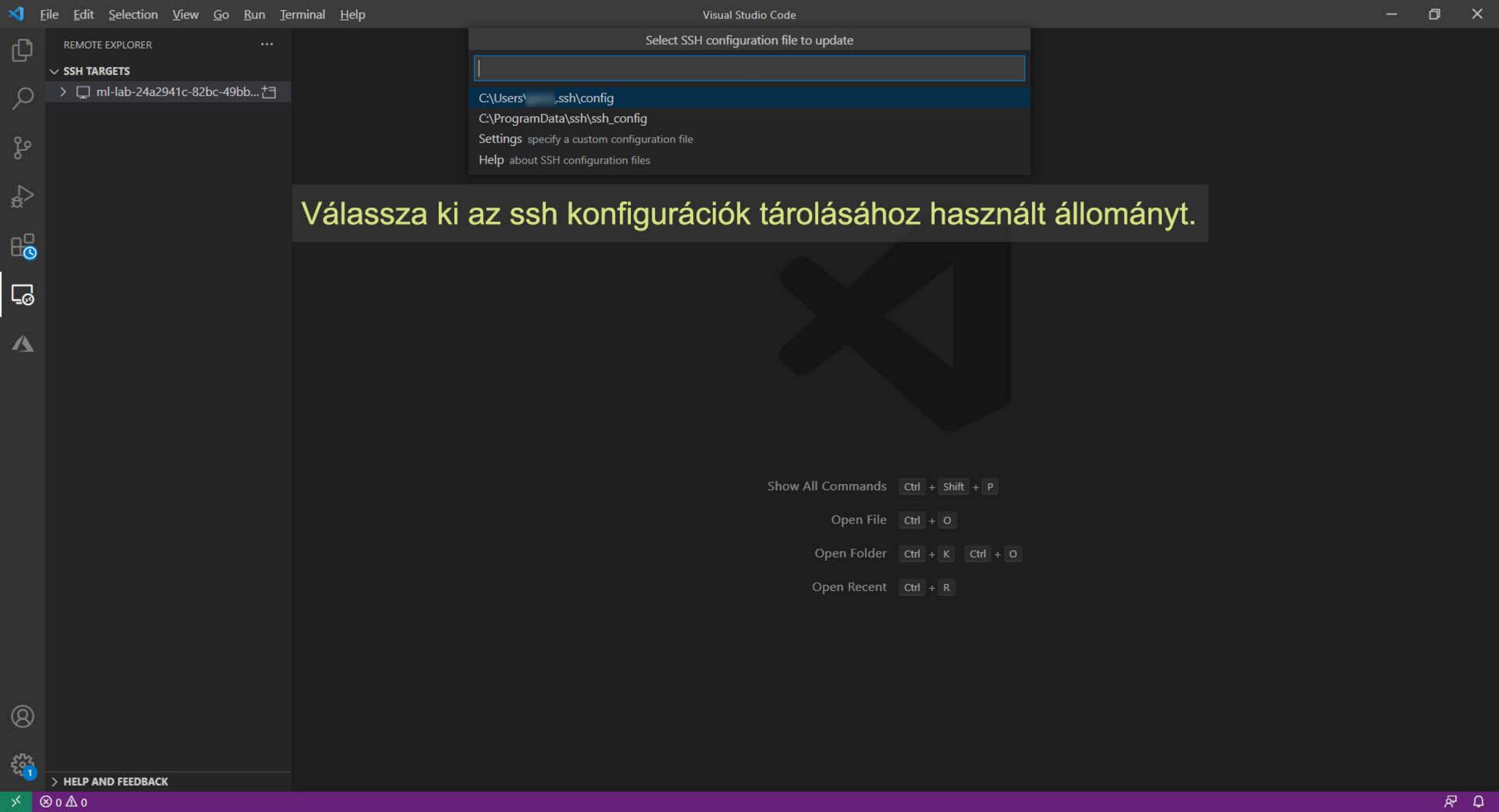
Enter SSH Connection Command

```
49759 username@ml-lab-24a2941c-82bc-49bb-aa83-3ae9ef36e070.westeurope.cloudapp.azure.com
```

Press 'Enter' to confirm your input or 'Escape' to cancel

Hozzon létre új távoli kapcsolatot az információk beillesztésével.

Show All Commands **Ctrl** + **Shift** + **P**Open File **Ctrl** + **O**Open Folder **Ctrl** + **K** **Ctrl** + **O**Open Recent **Ctrl** + **R**



Select SSH configuration file to update

C:\Users\...\.ssh\config

C:\ProgramData\ssh\ssh_config

Settings specify a custom configuration file

Help about SSH configuration files

Válassza ki az ssh konfigurációk tárolásához használt állományt.

Show All Commands **Ctrl** + **Shift** + **P**

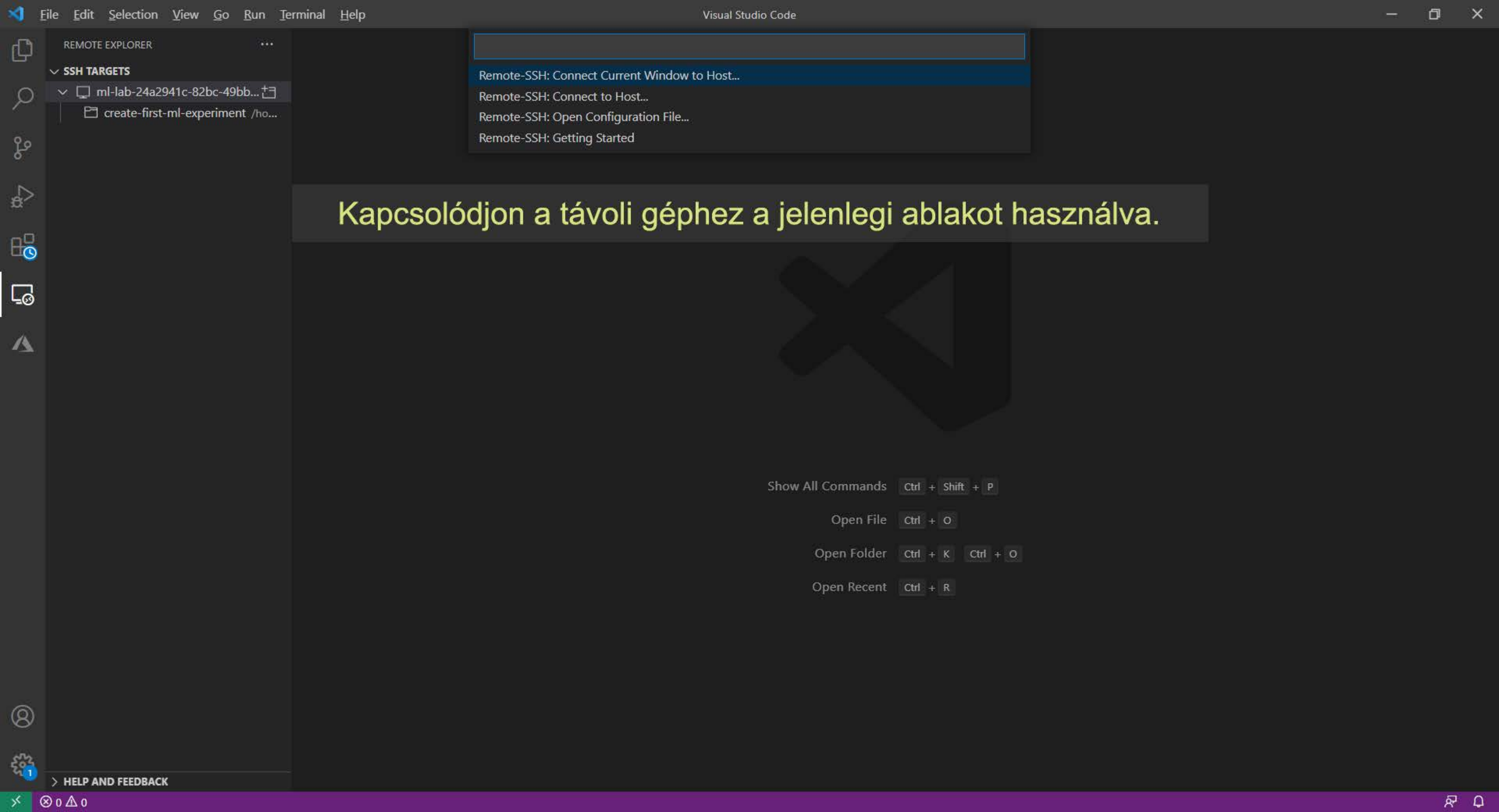
Open File **Ctrl** + **O**

Open Folder **Ctrl** + **K** **Ctrl** + **O**

Open Recent **Ctrl** + **R**

> HELP AND FEEDBACK

0 0



Kapcsolódjon a távoli géphez a jelenlegi ablakot használva.

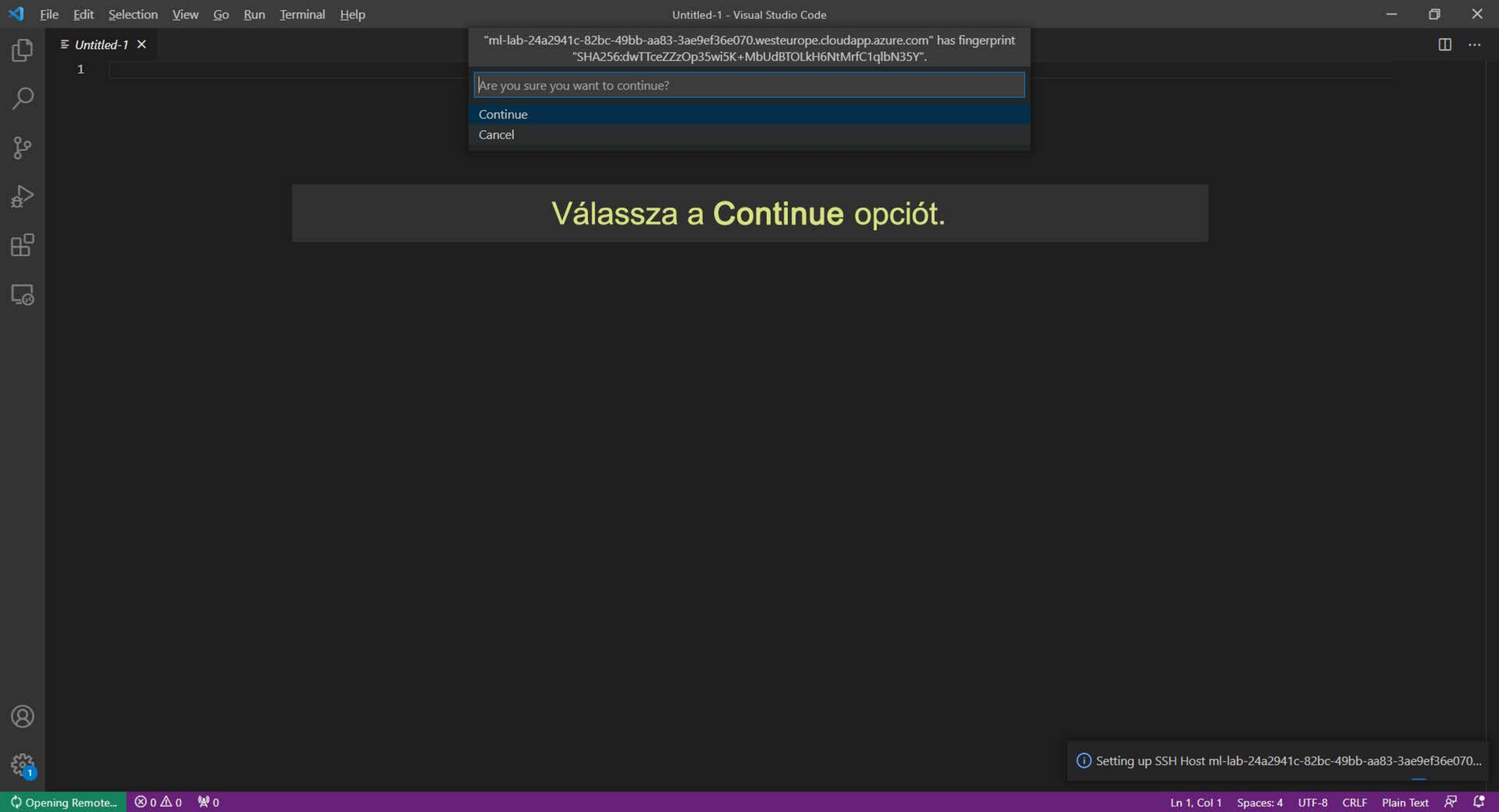
Show All Commands **Ctrl** + **Shift** + **P**

Open File **Ctrl** + **O**

Open Folder **Ctrl** + **K** **Ctrl** + **O**

Open Recent **Ctrl** + **R**

> HELP AND FEEDBACK



"ml-lab-24a2941c-82bc-49bb-aa83-3ae9ef36e070.westeurope.cloudapp.azure.com" has fingerprint
"SHA256:dwTTceZZzOp35wi5K+MbUdBTOLkH6NtMrFC1qlbN35Y".

Are you sure you want to continue?

Continue

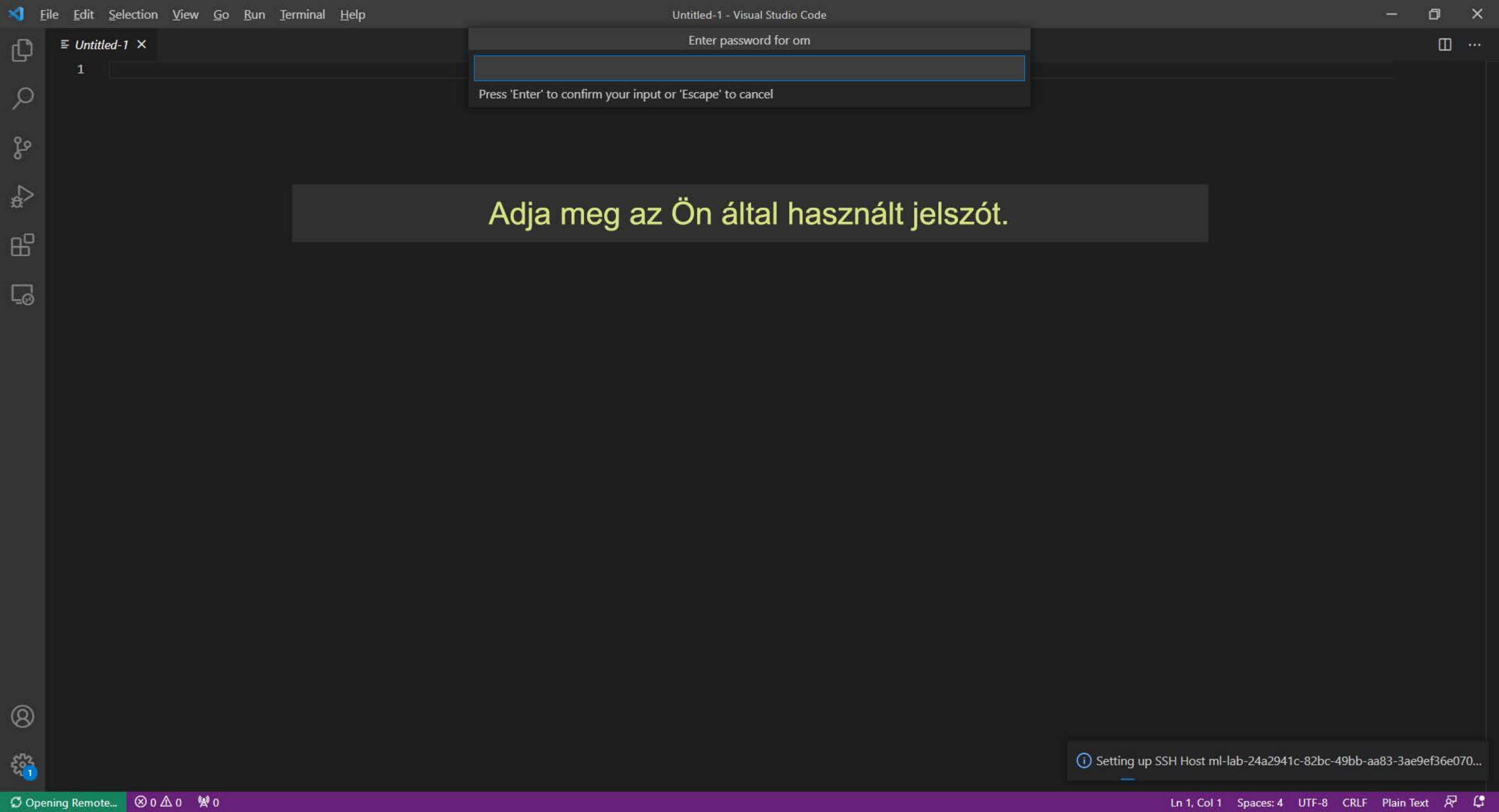
Cancel

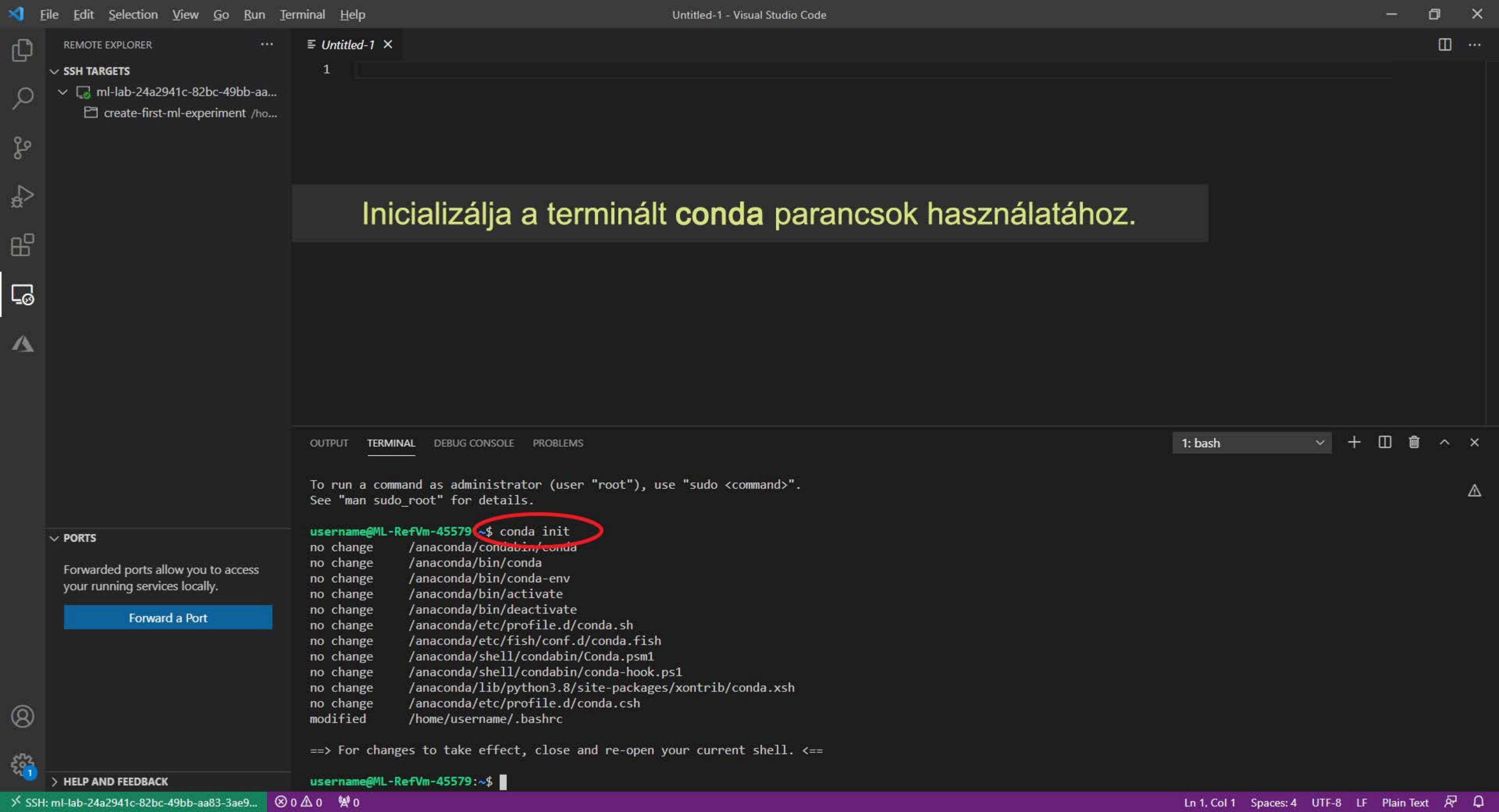
Válassza a Continue opciót.

Setting up SSH Host ml-lab-24a2941c-82bc-49bb-aa83-3ae9ef36e070...

Opening Remote...

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Plain Text





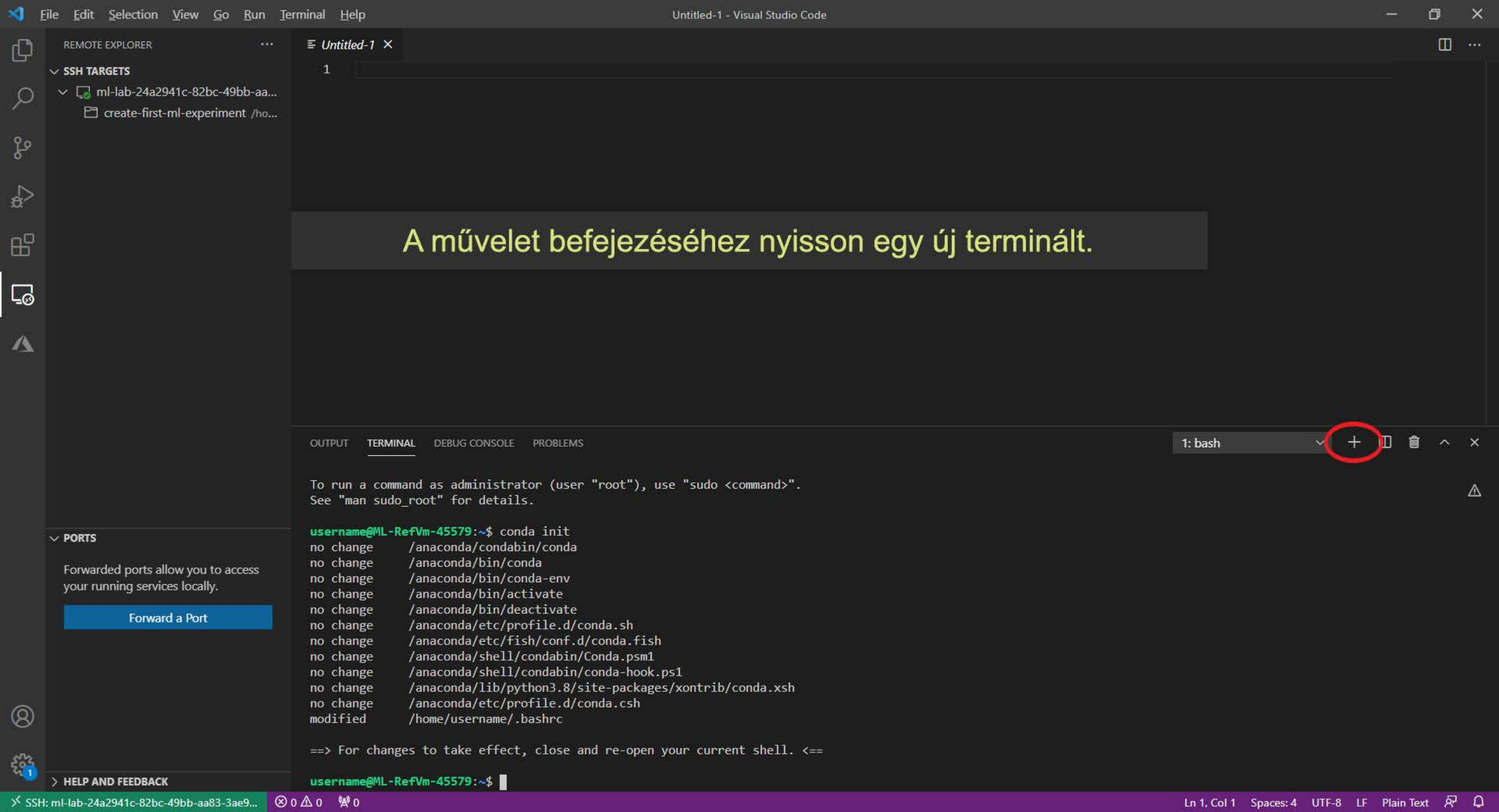
Inicializálja a terminált conda parancsok használatához.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
username@ML-RefVm-45579:~$ conda init
no change      /anaconda/condabin/conda
no change      /anaconda/bin/conda
no change      /anaconda/bin/conda-env
no change      /anaconda/bin/activate
no change      /anaconda/bin/deactivate
no change      /anaconda/etc/profile.d/conda.sh
no change      /anaconda/etc/fish/conf.d/conda.fish
no change      /anaconda/shell/condabin/Conda.psm1
no change      /anaconda/shell/condabin/conda-hook.ps1
no change      /anaconda/lib/python3.8/site-packages/xontrib/conda.xsh
no change      /anaconda/etc/profile.d/conda.csh
modified       /home/username/.bashrc
```

==> For changes to take effect, close and re-open your current shell. <==

```
username@ML-RefVm-45579:~$
```



A művelet befejezéséhez nyisson egy új terminált.

OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS

1: bash

+

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
username@ML-RefVm-45579:~$ conda init
no change      /anaconda/condabin/conda
no change      /anaconda/bin/conda
no change      /anaconda/bin/conda-env
no change      /anaconda/bin/activate
no change      /anaconda/bin/deactivate
no change      /anaconda/etc/profile.d/conda.sh
no change      /anaconda/etc/fish/conf.d/conda.fish
no change      /anaconda/shell/condabin/Conda.psm1
no change      /anaconda/shell/condabin/conda-hook.ps1
no change      /anaconda/lib/python3.8/site-packages/xontrib/conda.xsh
no change      /anaconda/etc/profile.d/conda.csh
modified       /home/username/.bashrc
```

==> For changes to take effect, close and re-open your current shell. <==

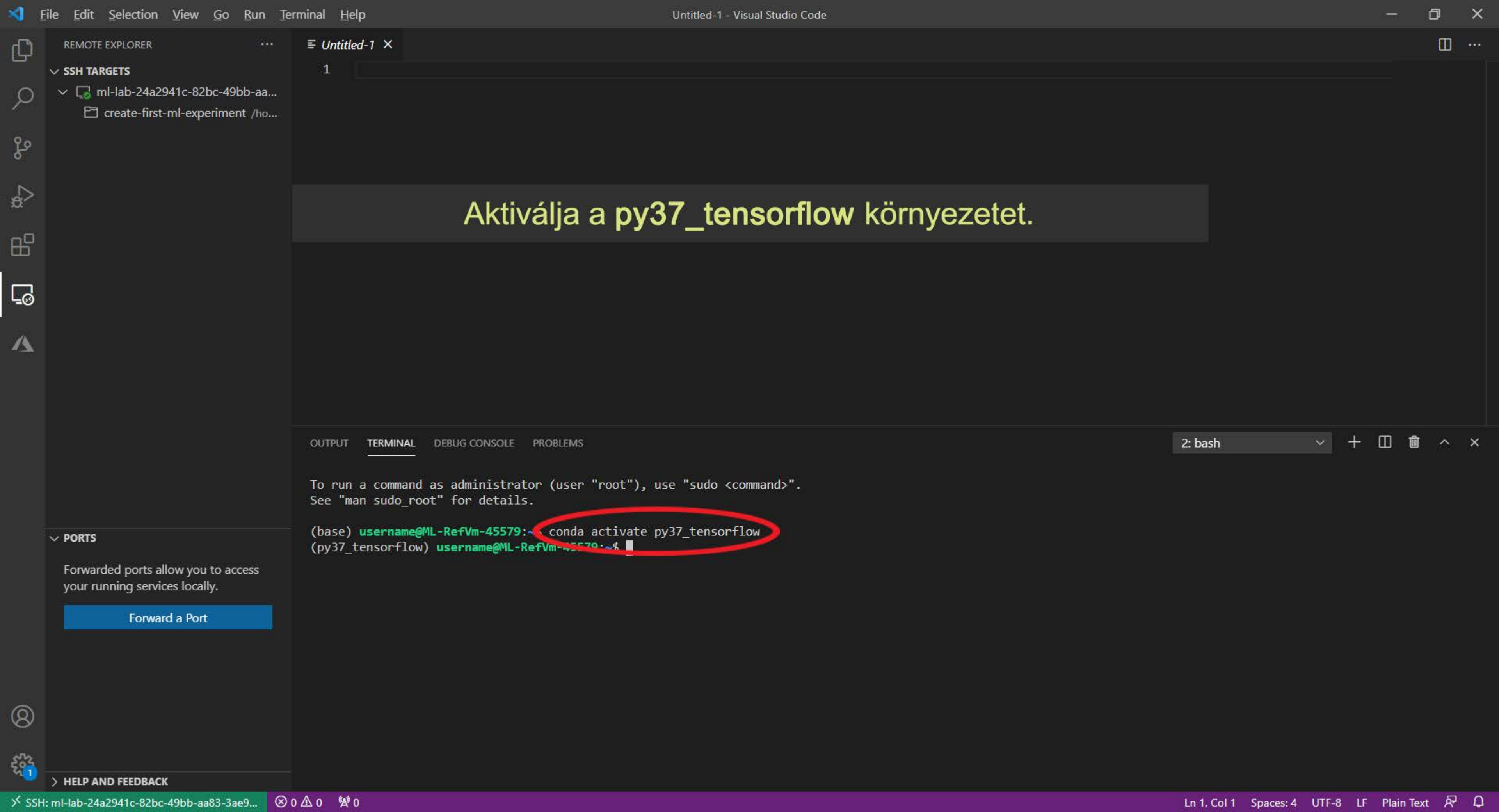
```
username@ML-RefVm-45579:~$
```

SSH: ml-lab-24a2941c-82bc-49bb-aa83-3ae9...

0 0 0

Ln 1, Col 1 Spaces: 4 UTF-8 LF Plain Text

1



Aktiválja a py37_tensorflow környezetet.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

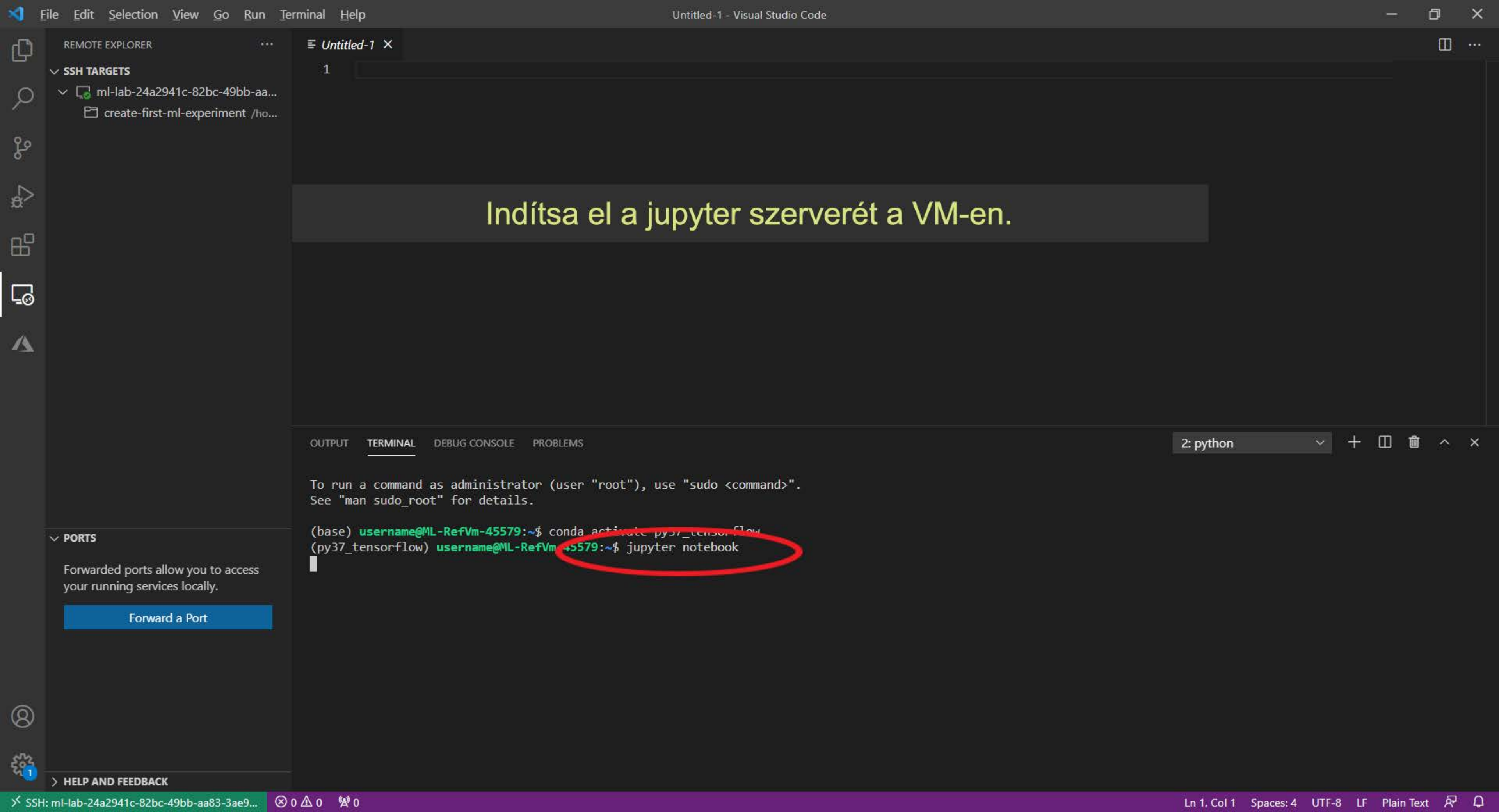
(base) username@ML-RefVm-45579:~\$ conda activate py37_tensorflow
(py37_tensorflow) username@ML-RefVm-45579:~\$

Forwarded ports allow you to access
your running services locally.

Forward a Port

> HELP AND FEEDBACK

Ln 1, Col 1 Spaces: 4 UTF-8 LF Plain Text

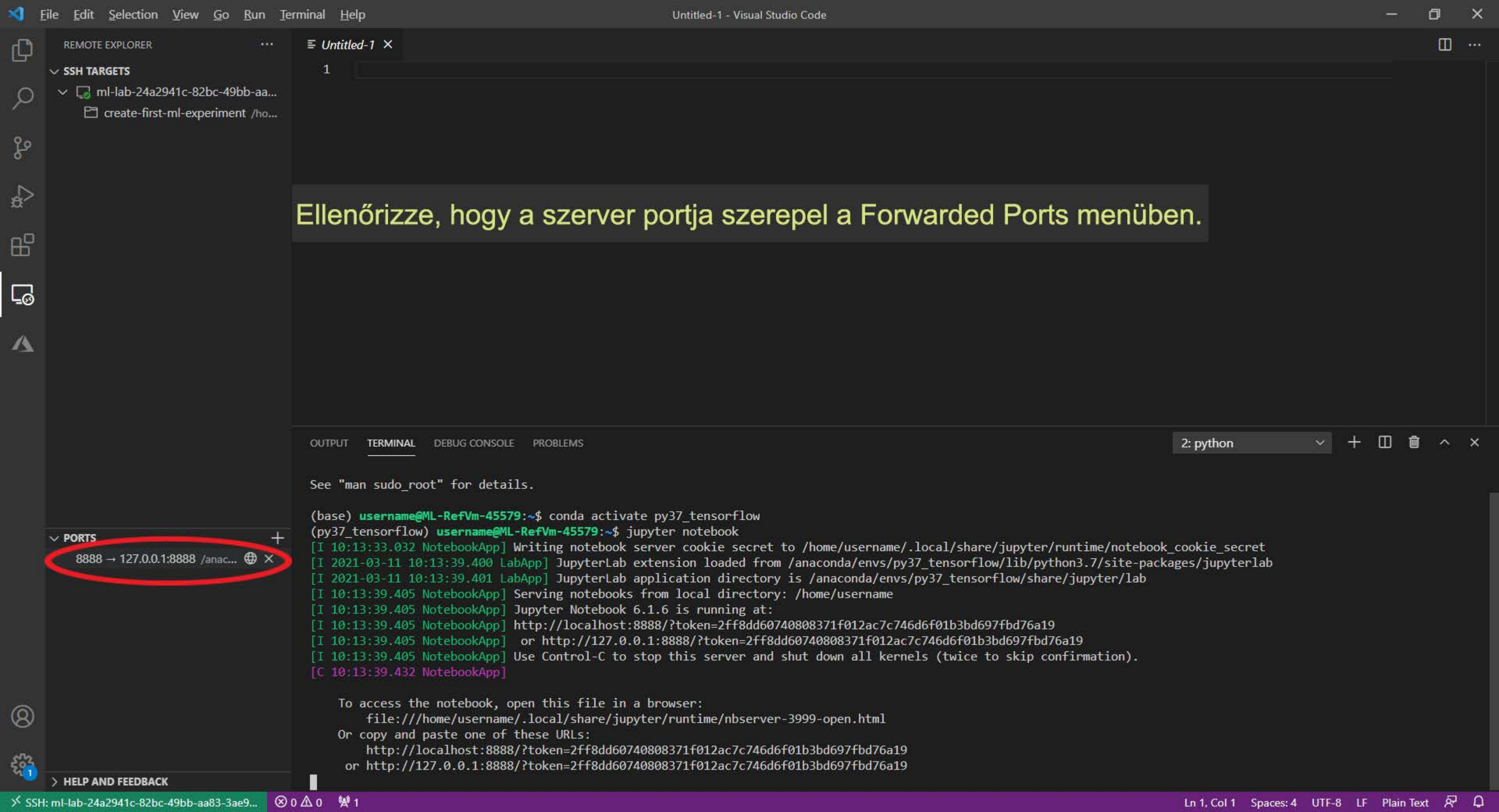


Indítsa el a jupyter szerverét a VM-en.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
(base) username@ML-RefVm-45579:~$ conda activate py37_tensorflow
(py37_tensorflow) username@ML-RefVm-45579:~$ jupyter notebook
```

Forward a Port

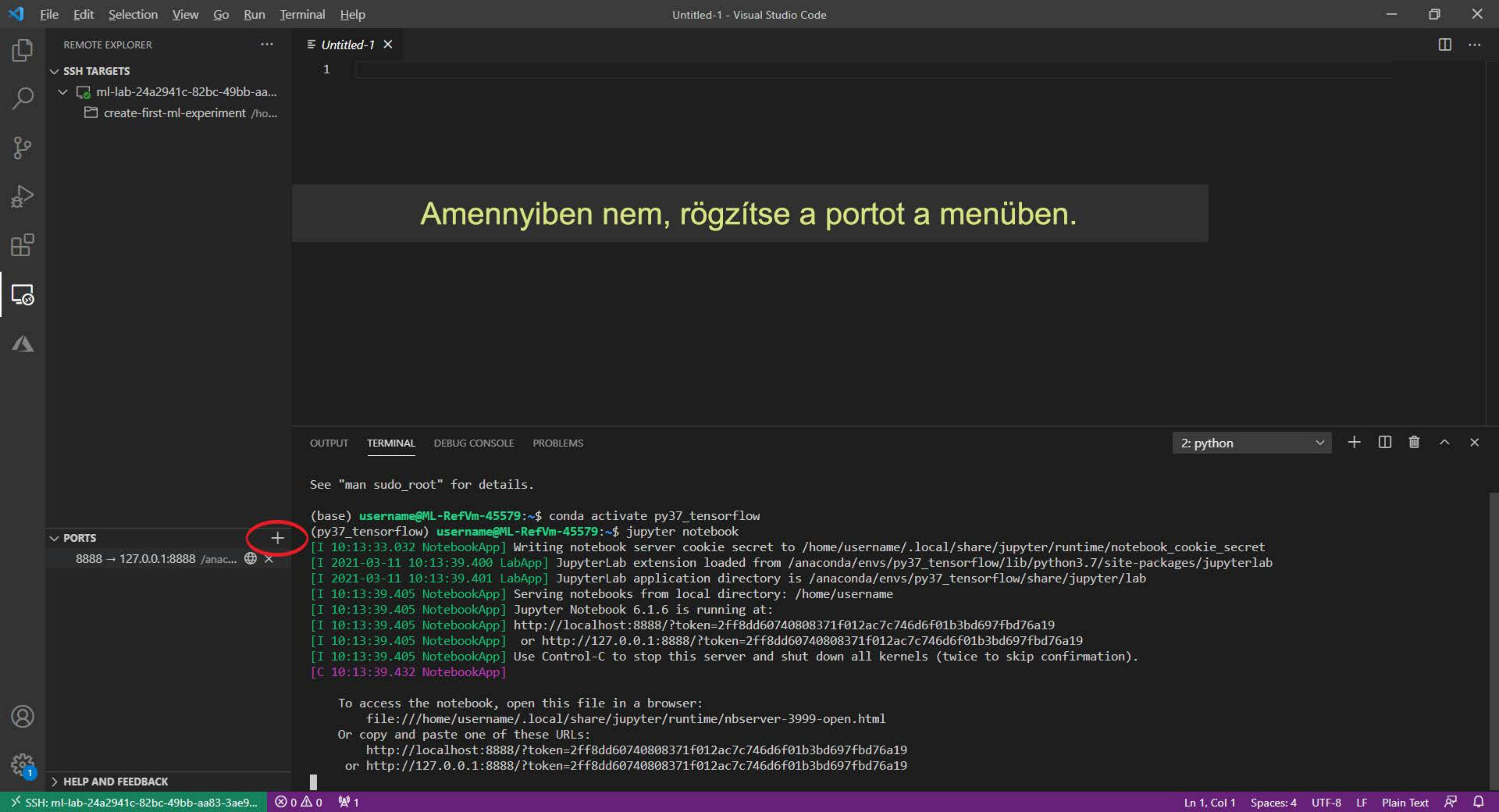


Ellenőrizze, hogy a szerver portja szerepel a Forwarded Ports menüben.

See "man sudo_root" for details.

```
(base) username@ML-RefVm-45579:~$ conda activate py37_tensorflow
(py37_tensorflow) username@ML-RefVm-45579:~$ jupyter notebook
[I 10:13:33.032 NotebookApp] Writing notebook server cookie secret to /home/username/.local/share/jupyter/runtime/notebook_cookie_secret
[I 2021-03-11 10:13:39.400 LabApp] JupyterLab extension loaded from /anaconda/envs/py37_tensorflow/lib/python3.7/site-packages/jupyterlab
[I 2021-03-11 10:13:39.401 LabApp] JupyterLab application directory is /anaconda/envs/py37_tensorflow/share/jupyter/lab
[I 10:13:39.405 NotebookApp] Serving notebooks from local directory: /home/username
[I 10:13:39.405 NotebookApp] Jupyter Notebook 6.1.6 is running at:
[I 10:13:39.405 NotebookApp] http://localhost:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19
[I 10:13:39.405 NotebookApp] or http://127.0.0.1:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19
[I 10:13:39.405 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 10:13:39.432 NotebookApp]
```

To access the notebook, open this file in a browser:
file:///home/username/.local/share/jupyter/runtime/nbserver-3999-open.html
Or copy and paste one of these URLs:
http://localhost:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19
or http://127.0.0.1:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19



Amennyiben nem, rögzítse a portot a menüben.

See "man sudo_root" for details.

(base) **username@ML-RefVm-45579**:~\$ conda activate py37_tensorflow

(py37_tensorflow) **username@ML-RefVm-45579**:~\$ jupyter notebook

[I 10:13:33.032 NotebookApp] Writing notebook server cookie secret to /home/username/.local/share/jupyter/runtime/notebook_cookie_secret

[I 2021-03-11 10:13:39.400 LabApp] JupyterLab extension loaded from /anaconda/envs/py37_tensorflow/lib/python3.7/site-packages/jupyterlab

[I 2021-03-11 10:13:39.401 LabApp] JupyterLab application directory is /anaconda/envs/py37_tensorflow/share/jupyter/lab

[I 10:13:39.405 NotebookApp] Serving notebooks from local directory: /home/username

[I 10:13:39.405 NotebookApp] Jupyter Notebook 6.1.6 is running at:

[I 10:13:39.405 NotebookApp] http://localhost:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19

[I 10:13:39.405 NotebookApp] or http://127.0.0.1:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19

[I 10:13:39.405 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).

[C 10:13:39.432 NotebookApp]

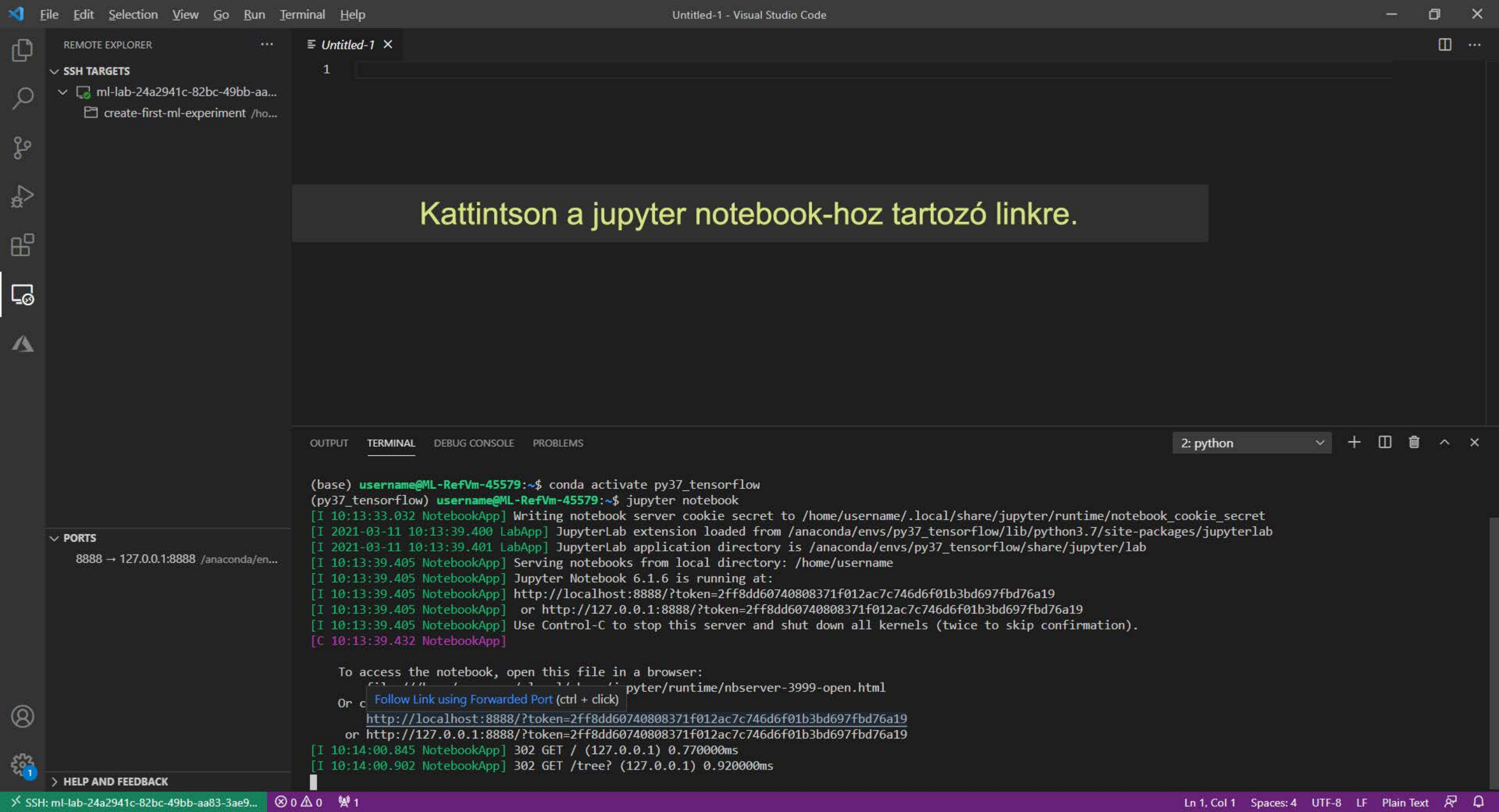
To access the notebook, open this file in a browser:

file:///home/username/.local/share/jupyter/runtime/nbserver-3999-open.html

Or copy and paste one of these URLs:

http://localhost:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19

or http://127.0.0.1:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19

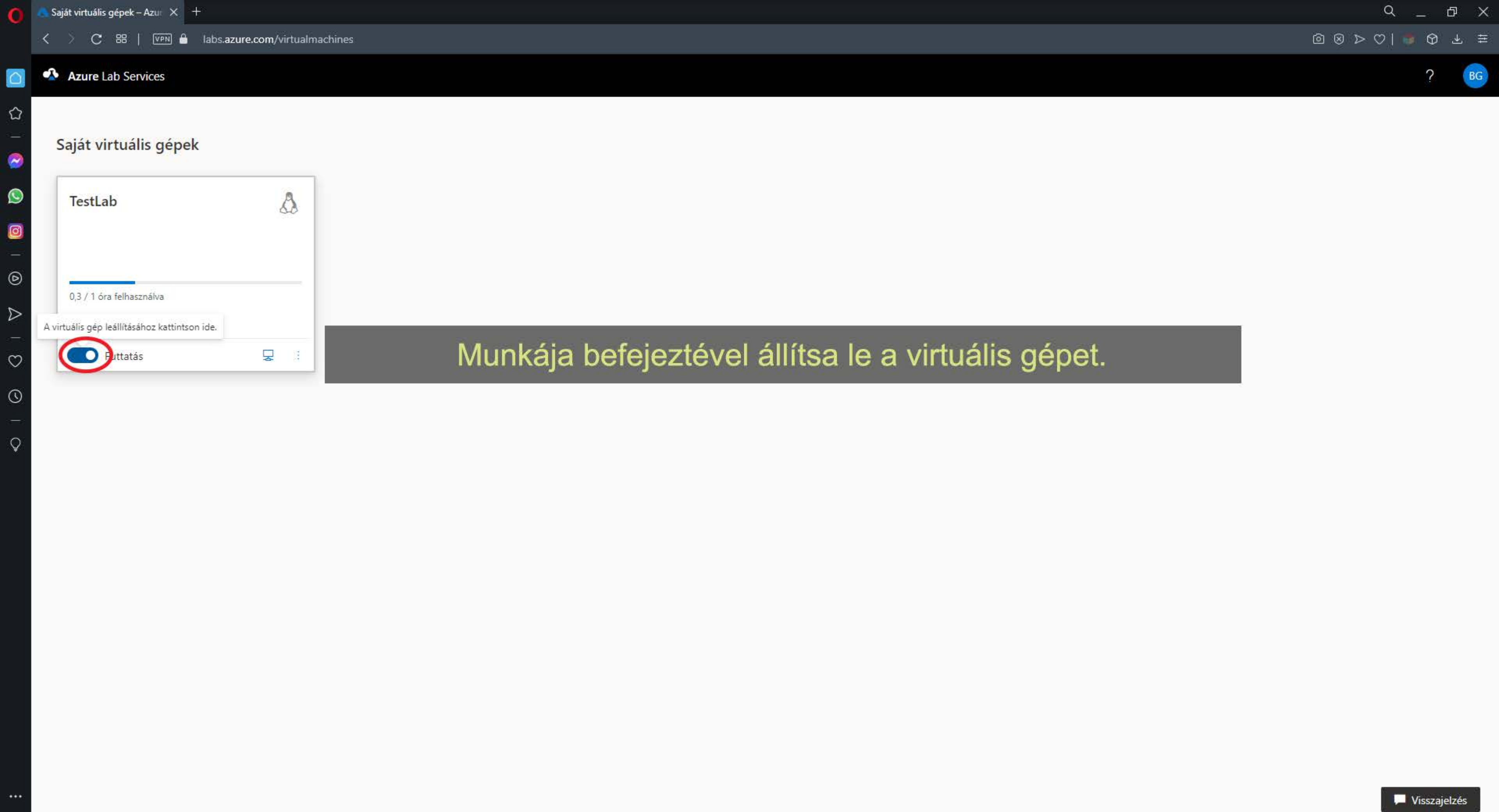


Kattintson a jupyter notebook-hoz tartozó linkre.

```
(base) username@ML-RefVm-45579:~$ conda activate py37_tensorflow
(py37_tensorflow) username@ML-RefVm-45579:~$ jupyter notebook
[I 10:13:33.032 NotebookApp] Writing notebook server cookie secret to /home/username/.local/share/jupyter/runtime/notebook_cookie_secret
[I 2021-03-11 10:13:39.400 LabApp] JupyterLab extension loaded from /anaconda/envs/py37_tensorflow/lib/python3.7/site-packages/jupyterlab
[I 2021-03-11 10:13:39.401 LabApp] JupyterLab application directory is /anaconda/envs/py37_tensorflow/share/jupyter/lab
[I 10:13:39.405 NotebookApp] Serving notebooks from local directory: /home/username
[I 10:13:39.405 NotebookApp] Jupyter Notebook 6.1.6 is running at:
[I 10:13:39.405 NotebookApp] http://localhost:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19
[I 10:13:39.405 NotebookApp] or http://127.0.0.1:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19
[I 10:13:39.405 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 10:13:39.432 NotebookApp]

To access the notebook, open this file in a browser:
    file:///home/username/.local/share/jupyter/runtime/nbserver-3999-open.html
Or c
http://localhost:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19
or http://127.0.0.1:8888/?token=2ff8dd60740808371f012ac7c746d6f01b3bd697fbd76a19
[I 10:14:00.845 NotebookApp] 302 GET / (127.0.0.1) 0.770000ms
[I 10:14:00.902 NotebookApp] 302 GET /tree? (127.0.0.1) 0.920000ms
```

0 /		Name ↓	Last Modified	File size
<input type="checkbox"/>	Desktop		2 hónapja	
<input type="checkbox"/>	notebooks		2 hónapja	



Munkája befejeztével állítsa le a virtuális gépet.