

The easiest way to connect to CADE: ssh

```
tsung-weis-mbp:slides twhuang$ ssh u6024634@lab2-10.eng.utah.edu
The authenticity of host 'lab2-10.eng.utah.edu (155.98.111.112)' can't be e
stablished.
RSA key fingerprint is SHA256:50J1qrhqecr8EFSbv/Ph0xiK0VddS0TzpBvvzfHhrKc.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'lab2-10.eng.utah.edu,155.98.111.112' (RSA) to t
he list of known hosts.
u6024634@lab2-10.eng.utah.edu's password:
Last failed login: Thu Jan  9 13:59:11 MST 2020 from ecelab02.ece.utah.edu
on ssh:notty
There were 2 failed login attempts since the last successful login.

#####
#                Welcome to CADE                #
#                                                  #
#                No Scheduled Downtime            #
#####

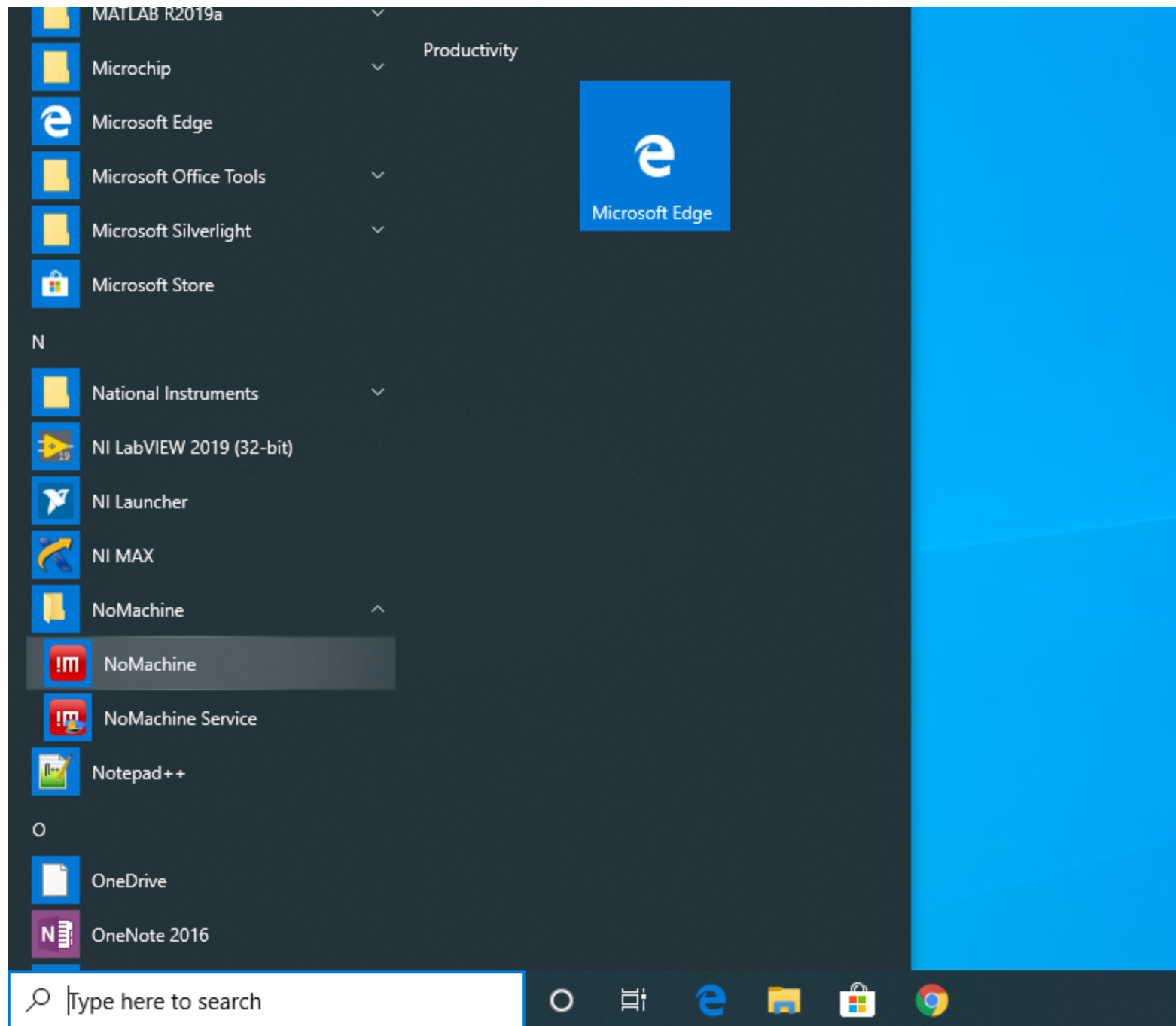
[u6024634@lab2-10 ~]$
```

Your password

Host-format: labx-y.eng.utah.edu
Replace x with 1-4 and y with 1-20 to avoid traffic

The second way from Windows: NoMachine





Welcome to NoMachine

NOMACHINE

Insert the service URL or IP of the computer and press Enter

Find a user or a desktop

New Open Edit

Let others use an IP from this list to connect to this desktop

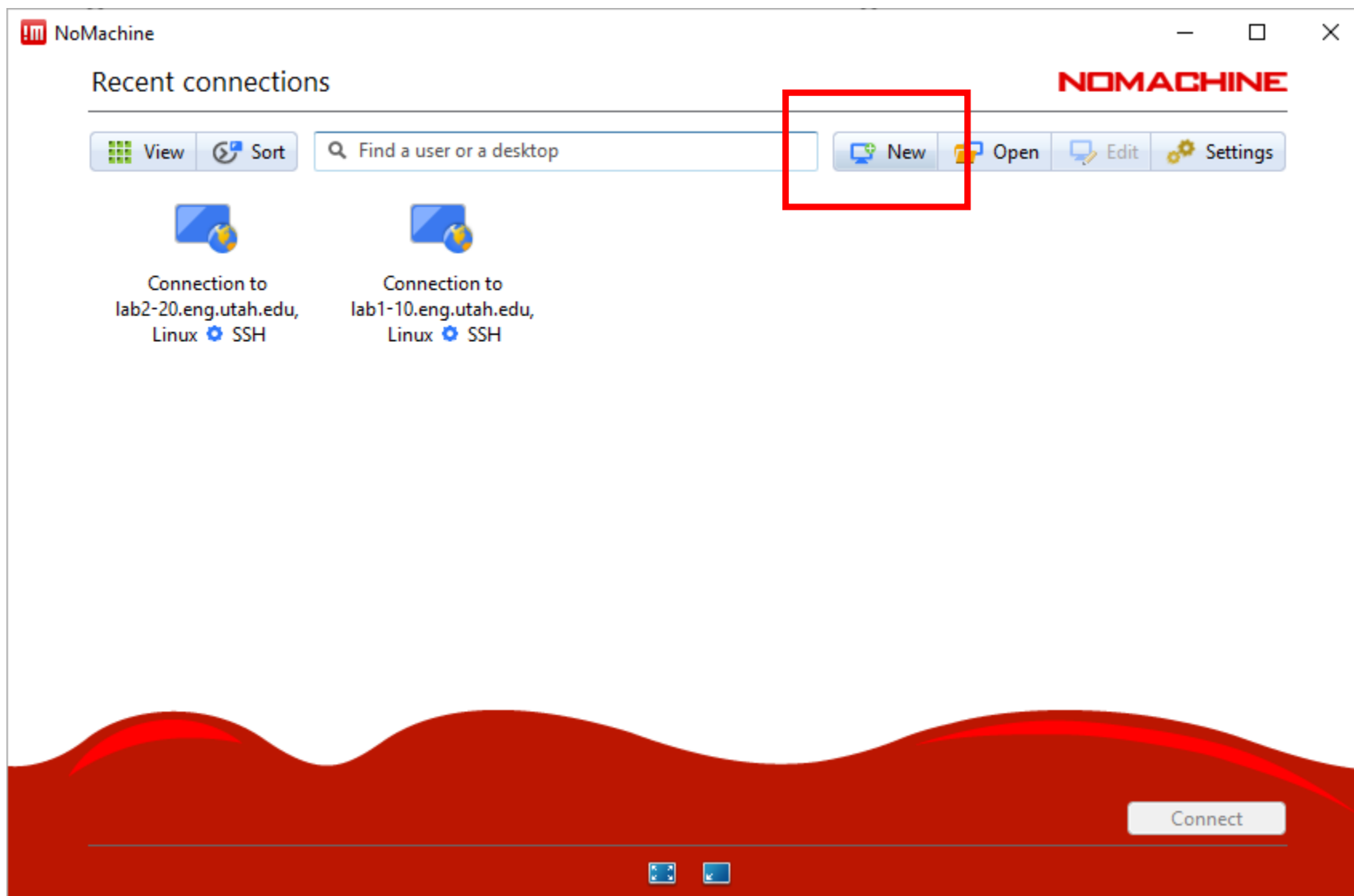
`nx://155.98.24.72`

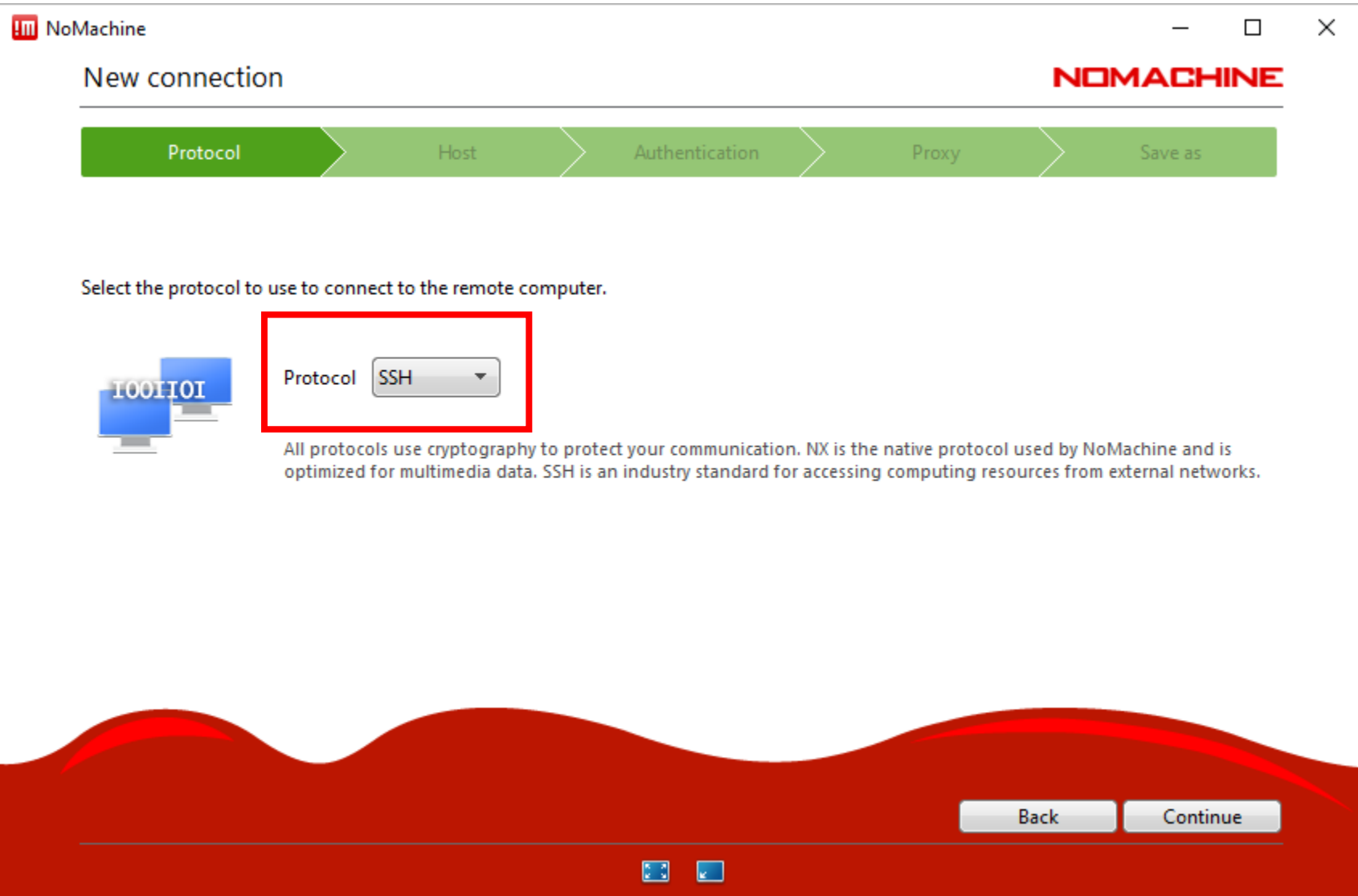
Click New or Edit to customize a connection


☐ Don't show this message again

Continue








 NoMachine

New connection

Insert the hostname or IP and port where you want to connect.



Host

lab2-15.eng.utah.edu

Port

22

The port was chosen automatically based on the default for the protocol. If the remote computer was configured to listen on a different port, please insert it above.

Host-format: labx-y.eng.utah.edu
Replace x with 1-4 and y with 1-20 to avoid traffic

Back

Continue

New connection

NOMACHINE

Protocol

Host

Authentication

Proxy

Save as

Choose which authentication method you want to use.

**Password**

Use password authentication.

**Private key**

Use key-based authentication with a key you provide.

**Authentication agent**

Use key-based authentication with a key provided by a SSH agent.

**Smart card**

Use key-based authentication with a key stored on a PKCS11 smart card.

**Kerberos**

Use Kerberos ticket-based authentication.

Back

Continue



New connection

NOMACHINE

Protocol

Host

Authentication

Proxy

Save as

Use a proxy for the network connection.



Don't use a proxy

Choose this if you are connecting to a computer on your same LAN or if you are on a residential broadband connection.



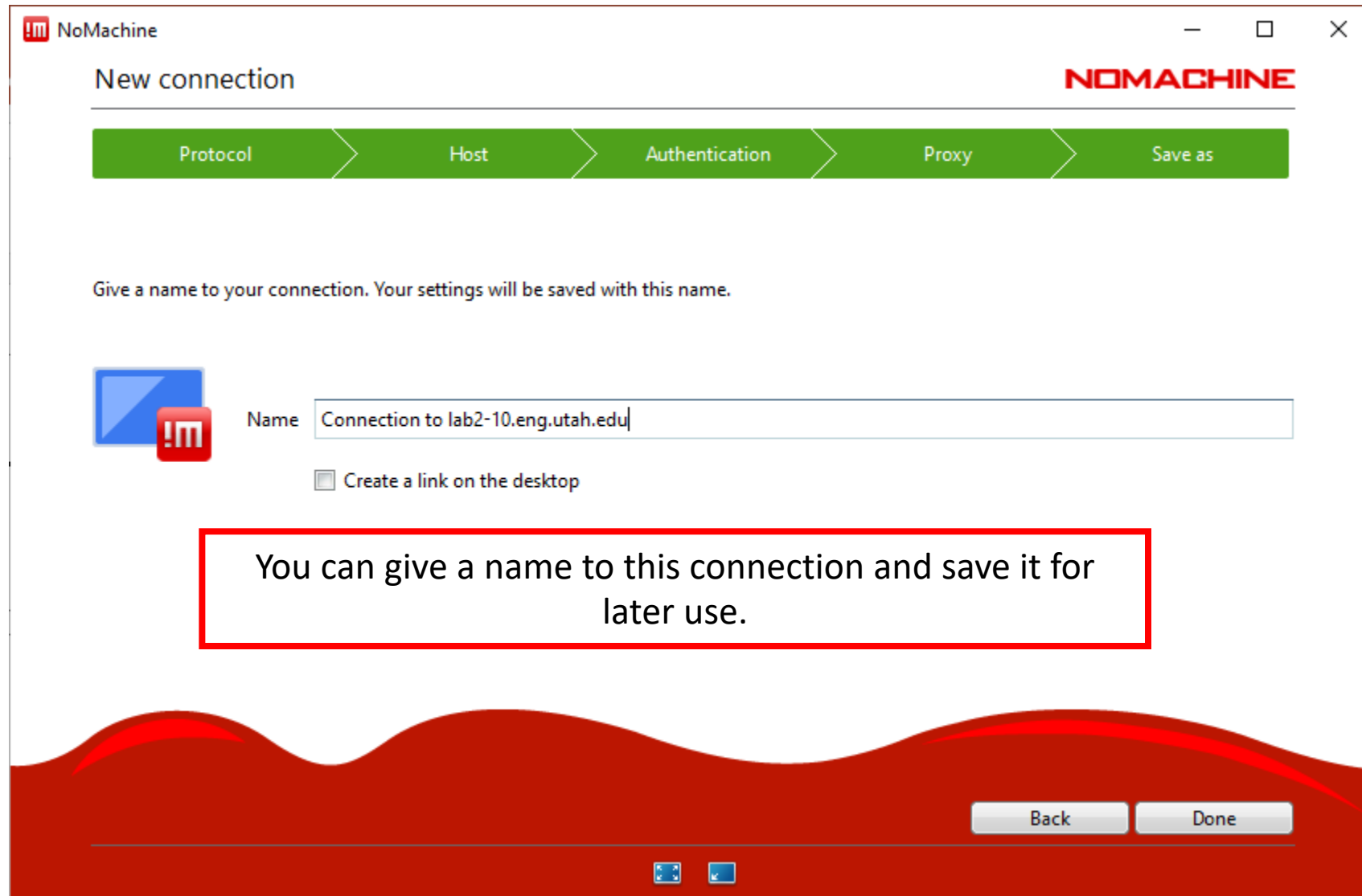
Connect using a proxy

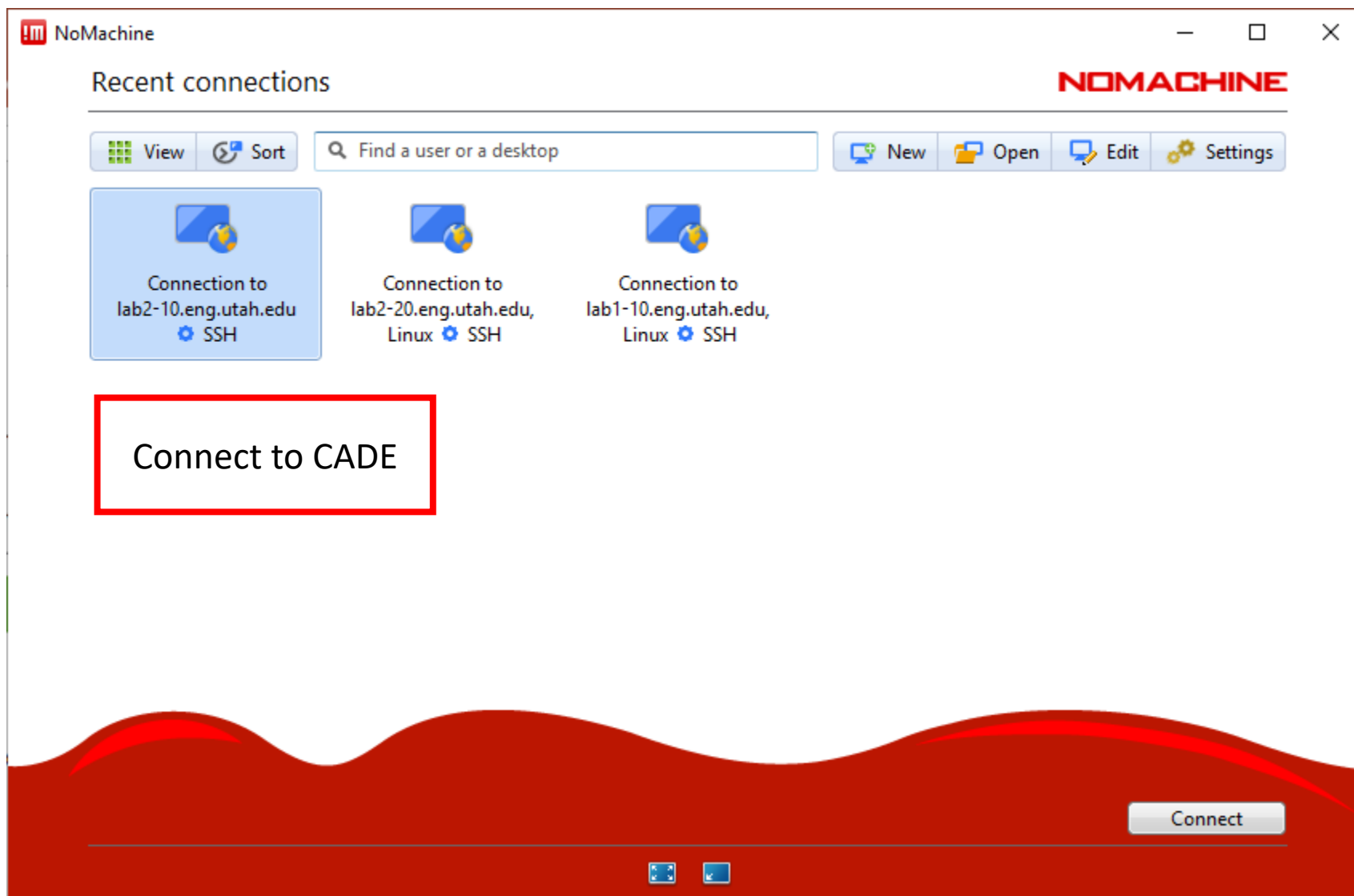
Use a proxy if you are connecting to a computer outside your LAN from a corporate network where external access is protected by a firewall.

Back

Continue










NoMachine - Connection to lab2-10.eng.utah.edu

Connection to lab2-10.eng.utah.edu

NOMACHINE

Please type your username and password to login.



Username

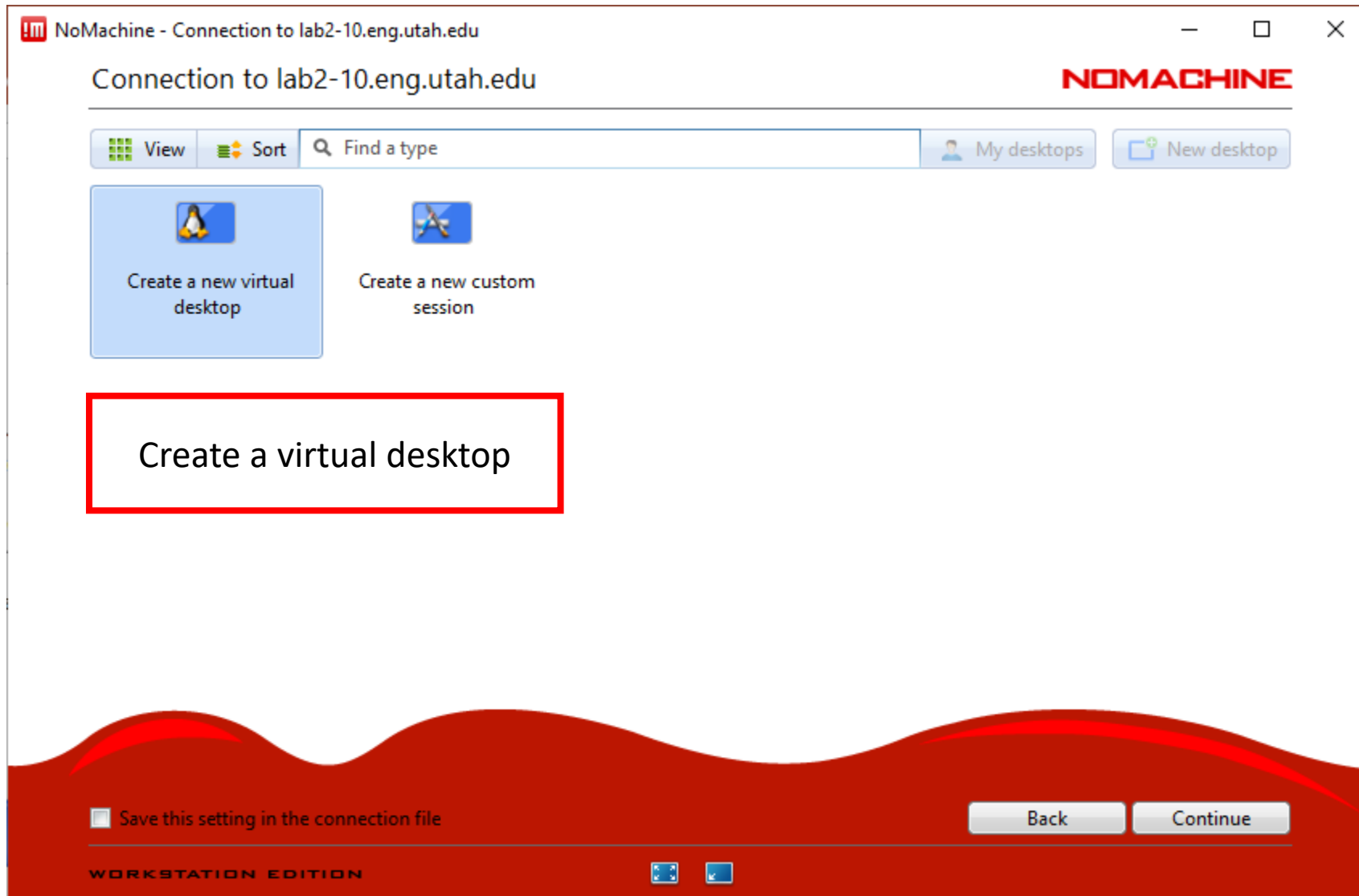
Password

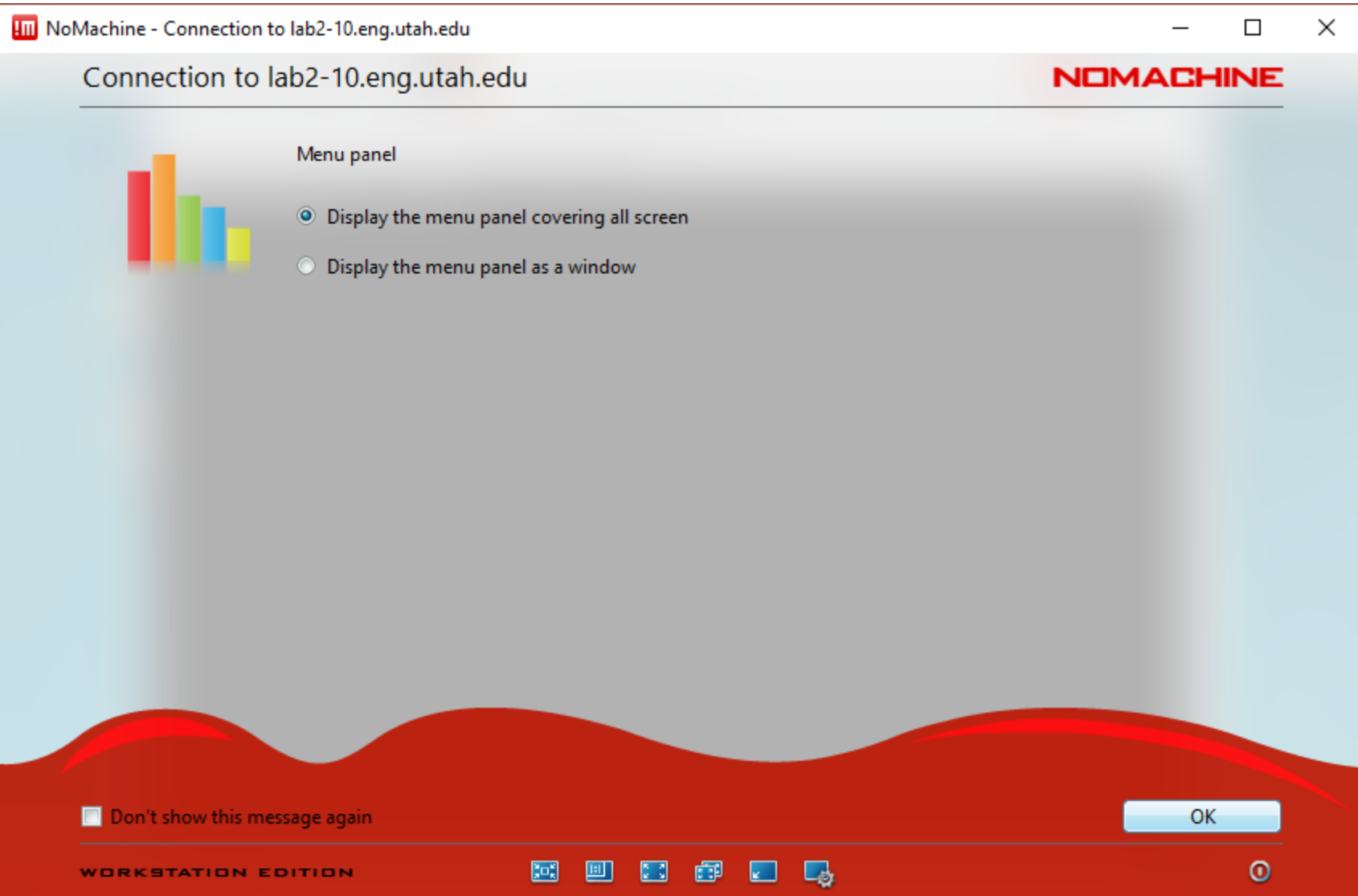
☐ Save this password in the connection file

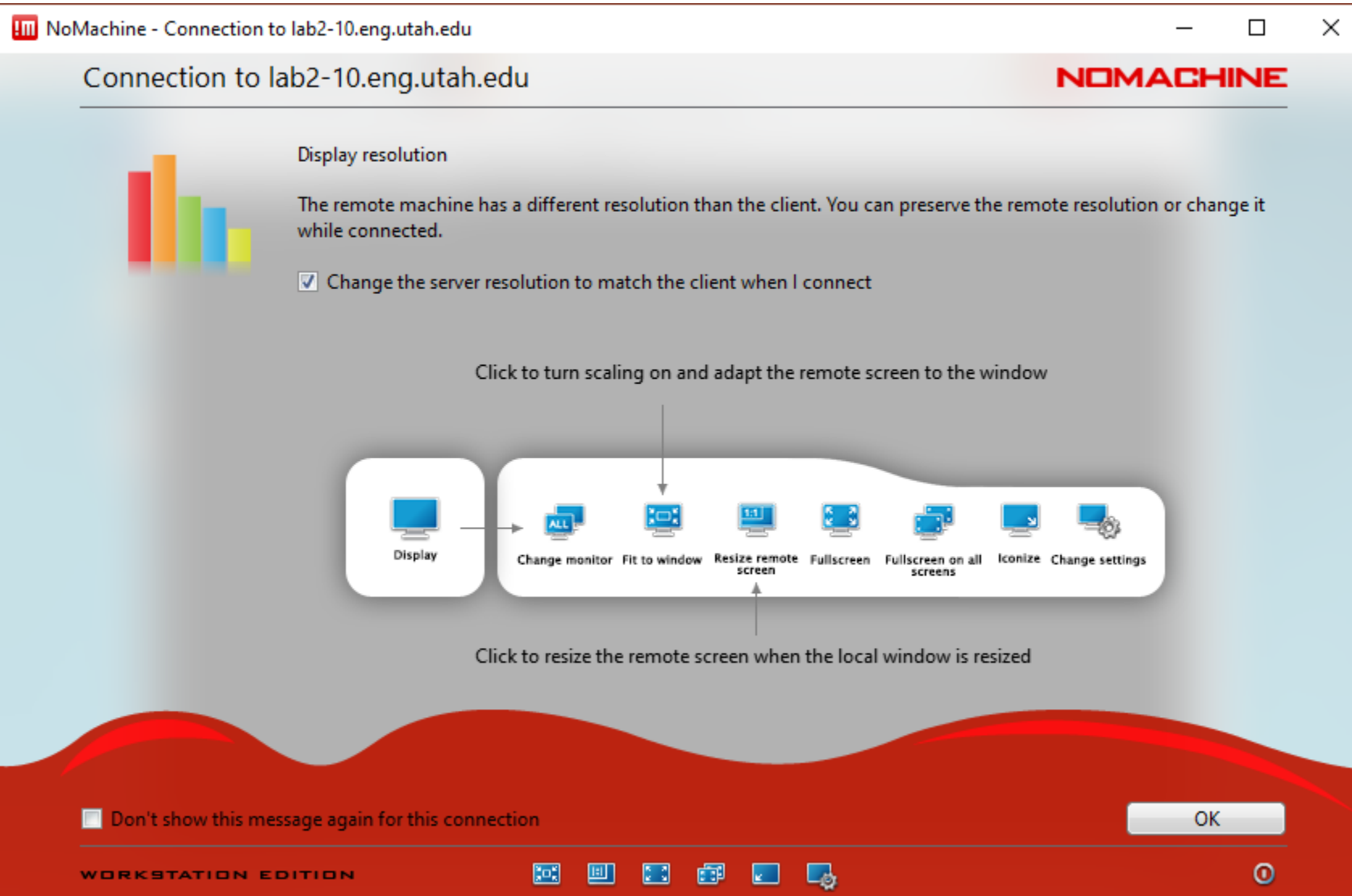
Type in your uid and password

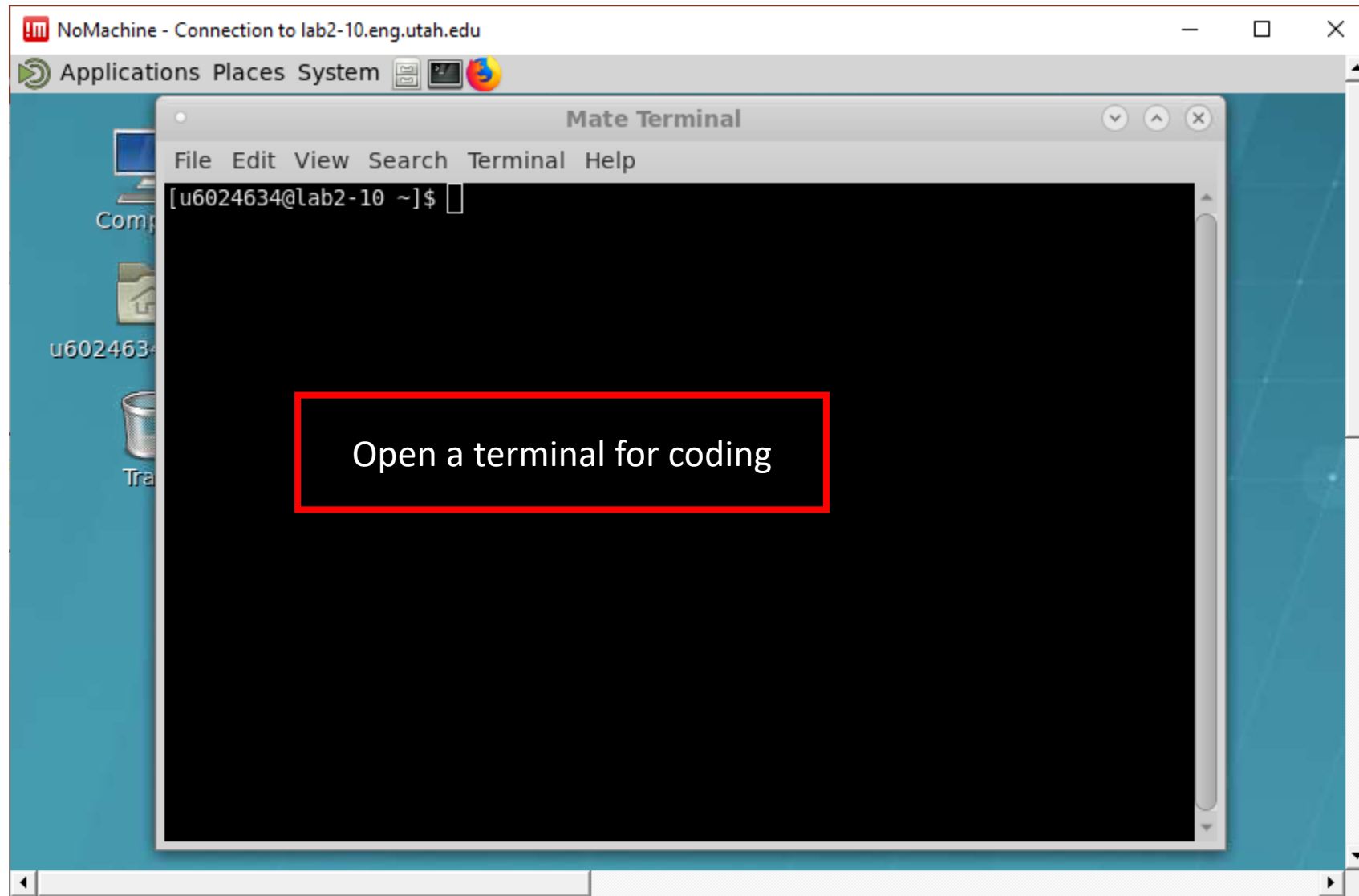
Back

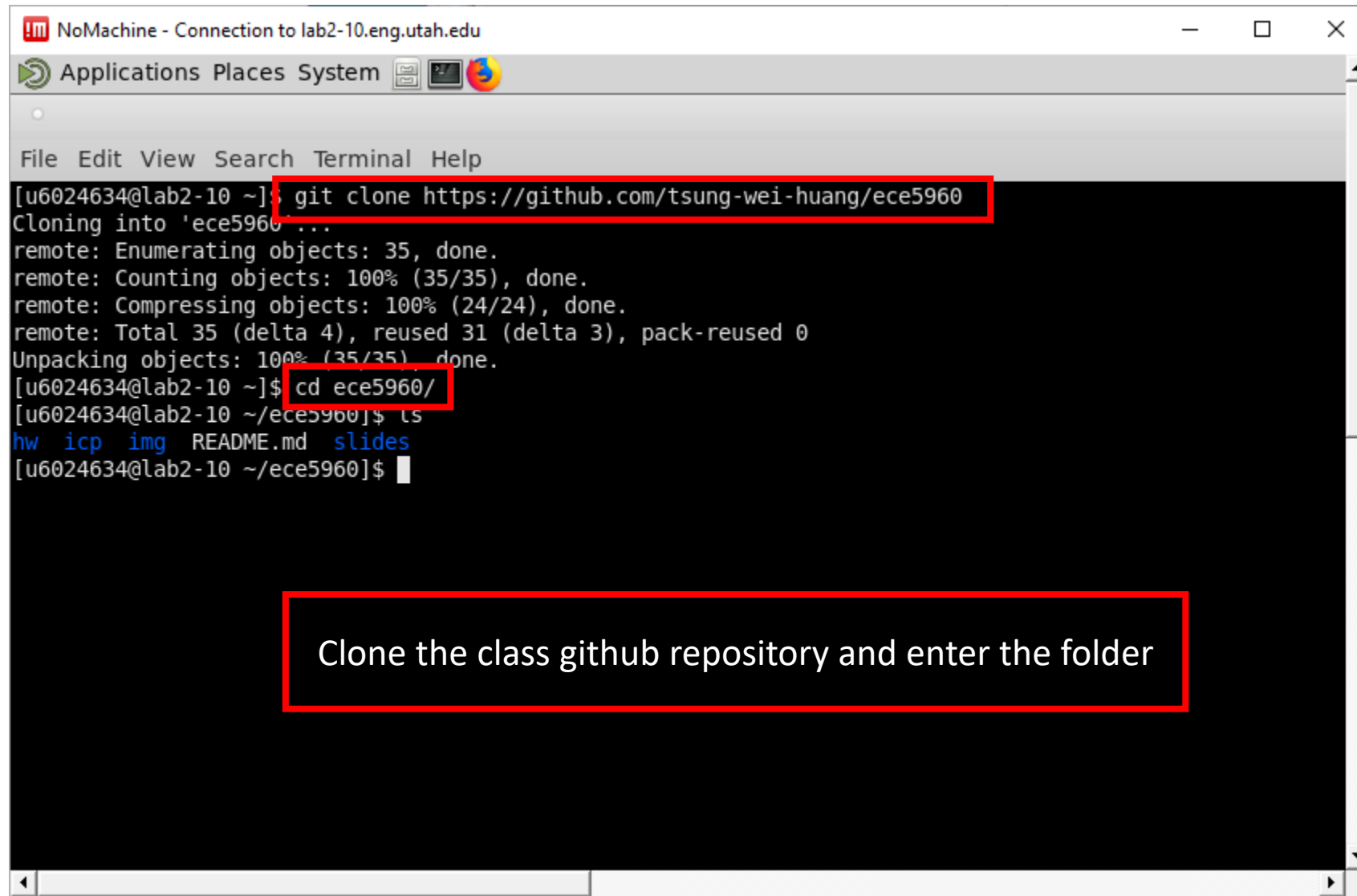
OK











The image shows a terminal window titled "NoMachine - Connection to lab2-10.eng.utah.edu". The terminal has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal output shows the following commands and their results:

```
[u6024634@lab2-10 ~]$ git clone https://github.com/tsung-wei-huang/ece5960
Cloning into 'ece5960'...
remote: Enumerating objects: 35, done.
remote: Counting objects: 100% (35/35), done.
remote: Compressing objects: 100% (24/24), done.
remote: Total 35 (delta 4), reused 31 (delta 3), pack-reused 0
Unpacking objects: 100% (35/35), done.
[u6024634@lab2-10 ~]$ cd ece5960/
[u6024634@lab2-10 ~/ece5960]$ ls
hw  icp  img  README.md  slides
[u6024634@lab2-10 ~/ece5960]$
```

Two red boxes highlight the commands `git clone https://github.com/tsung-wei-huang/ece5960` and `cd ece5960/`. A larger red box at the bottom contains the text "Clone the class github repository and enter the folder".

Clone the class github repository and enter the folder