

## Accessing the XenOrchestra Dashboard

### Preparation Steps

If you don't already have an ssh key you'd like to use, generate one:

- Open a system prompt (Command Line on Windows, Terminal on OS X, etc)
- Call `ssh-keygen`
- Use the contents of the file listed at `Your public key has been saved in <fname>` as your public key in later steps

If you are off campus, the dashboard requires use of the university VPN. If you have never used the vpn previously, go to `vpn.northeastern.edu` and follow the instructions. To use the VPN, you need to sign in with you **myNortheastern** account.

### Using the XenOrchestra Dashboard

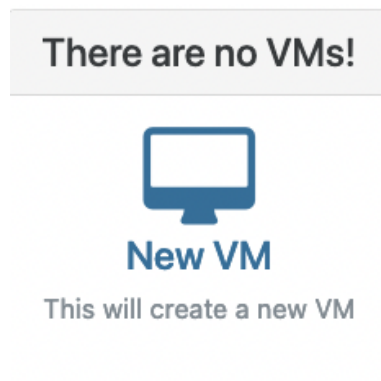
The XO dashboard is available at <xo-mghpcc.khoury.northeastern.edu>.

To access the dashboard, click on "Sign in with SAML." You need to sign in with your **Khoury College** account.

### Creating your VM

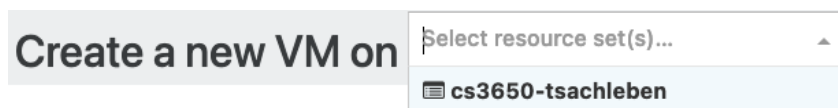
In XenOrchestra:

On the left, click on 'Home'.  
Click on 'New VM'.



(If there is no "New VM" button, please email the Systems' Queue)

For "Create a new VM on," use the pool with your username:



Use the following settings for your VM:

- "Info":
  - Template: "cs3650fa23-vm"
  - Name: "<your\_username>-cs3650fa23-vm"
- Performance:
  - vCPUs: 2 (should be default)
  - RAM: 4 GiB (should be default)
  - Topology: Default behavior
- Install Settings:
  - Select "SSH key"
  - Copy-paste your SSH public key from above into the *left-hand* text box
  - Click the "+" button
- Interfaces:
  - MAC: **Leave** as "Auto-generated if empty"
  - Network: "STT-VMs" (should be default)
- Disks:
  - SR: "Student VMs" (Should be default)
  - Name: "<your\_username>-cs3650fa23-vm"
  - Size: 20 GiB

Click on "> Create"

Note: Creation may take up to 15 minutes.

Note that the screenshots below use different names for the various items. **Use the values above instead.**

✓ ⓘ Info

Template  Name

Description

✓ 🏎 Performance

vCPUs  RAM  GiB

Topology

● ⚙ Install settings

☐ No config drive

☒ SSH key   

☐ Custom config ⓘ

User config

Select cloud config(s)...

```
#cloud-config
#hostname: {name}%
#ssh_authorized_keys:
# - ssh-rsa <myKey>
#packages:
# - htop
```

Network config ⓘ

Select network config(s)...

```
#network:
# version: 1
# config:
# - type: physical
#   name: eth0
# subnets:
#   - type: dhcp
```

✓ 🌐 Interfaces

MAC  Network

✓ 💾 Disks

SR  Name

Description  Size  GiB


## Connecting to your Instance




Open the “General” Tab in your

Under the yellow bar-graph, copy the IP address. It should look like `10.x.y.z`.

Open an SSH connection to the machine with ``$ ssh user@10.x.y.z``.


- If you cannot connect with the default ssh command, call  
``$ ssh -i <pub_key_file> user@10.x.y.z``


 **tariq-test-cs3650fa23-vm**




e995e2b0-54a2-0bef-da8c-5e9f5ef79754  
Student Image for Fall'23 CS3650


GeneralStatsConsoleNetworkDisksSnapshotsLogsAdvanced

2 x 





Created on September 12, 2023  
with template Other install media  
Started 2 minutes ago

4 GiB 





Hardware virtualization with  
paravirtualization drivers enabled  
(PVHVM)


1x 




10.201.9.119

20 GiB 





Management agent 7.30.0-11 detected

 +