

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 your **myNortheastern** account.

Using the XenOrchestra Dashboard

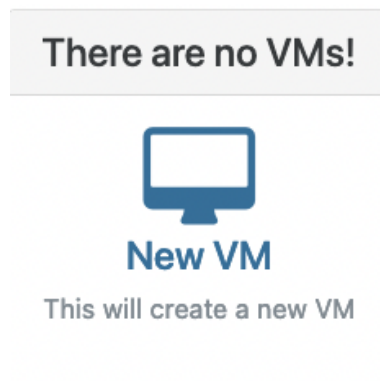
The XO dashboard is available at <xo-mghpcc.khoury.northeastern.edu>.

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

Creating your VM

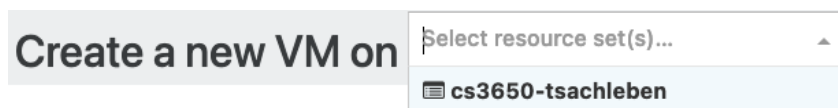
In XenOrchestra:

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: "cs3650sp23-vm"
 - Name: "<your_username>-cs3650sp23-vm"
- Performance:
 - vCPUs: 2
 - RAM: 4 GiB
 - 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: "bond0"
- Disks:
 - SR: "storage-<node_id>" (There should only be one option)
 - Name: "<your_username>-cs3650sp23-vm_odiba"
 - Size: 40 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 cs3650f22-vm Name tsachleben-cs3650f22-vm

Description

Performance

vCPUs 2 RAM 4 GiB

Topology Default behavior

Install settings

☐ No config drive

☒ SSH key t.sachleben@FACC02DN1F0P3Y0.tld

☐ 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 Auto-generated if empty Network bond0

+ Add interface

Disks

SR storage-cjmjeyaa Name tsachleben-cs3650f22-vm_o

Description cs3650f22-vm Size 40 GiB

+ Add disk

Reset

Create

Connecting to your Instance

Open the “General” Tab in your

Under the yellow bar-graph, copy the IP address. It should look like `10.201.x.y`.

Open an SSH connection to the machine with ``$ ssh user@10.201.x.y``.

- If you cannot connect with the default ssh command, call
``$ ssh -i <pub_key_file> user@10.201.x.y``

The screenshot displays the Google Cloud Platform console for a virtual machine instance. At the top, the instance name 'tsachleben-cs3650f22-vm' is shown, along with its unique ID 'ed37aeac-8b53-138e-1ae6-a1f876814f3d' and a 'Click to edit' link. Below this is a navigation bar with tabs for 'General', 'Stats', 'Console', 'Network', 'Disks', 'Snapshots', 'Logs', and 'Advanced'. The 'General' tab is currently selected. The main content area shows four key specifications: '2 x' processors, '4 GiB' of memory, '1x' network interface, and '40 GiB' of storage. Each specification is accompanied by a small bar graph. Below these specifications, the instance's creation and start times are listed: 'Created on October 17, 2022' and 'Started 1 minute ago'. The hardware virtualization status is noted as 'Hardware virtualization with paravirtualization drivers enabled (PVHVM)'. The IP address '10.201.24.60' is displayed, and a gear icon indicates settings. At the bottom, a message states 'Management agent 7.20.0-9 detected'.

tsachleben-cs3650f22-vm
ed37aeac-8b53-138e-1ae6-a1f876814f3d
Click to edit

General Stats Console Network Disks Snapshots Logs Advanced

2 x 4 GiB 1x 40 GiB

Created on October 17, 2022
Started 1 minute ago

Hardware virtualization with
paravirtualization drivers enabled
(PVHVM)

10.201.24.60

Management agent 7.20.0-9 detected