# Chameleon Tutorial

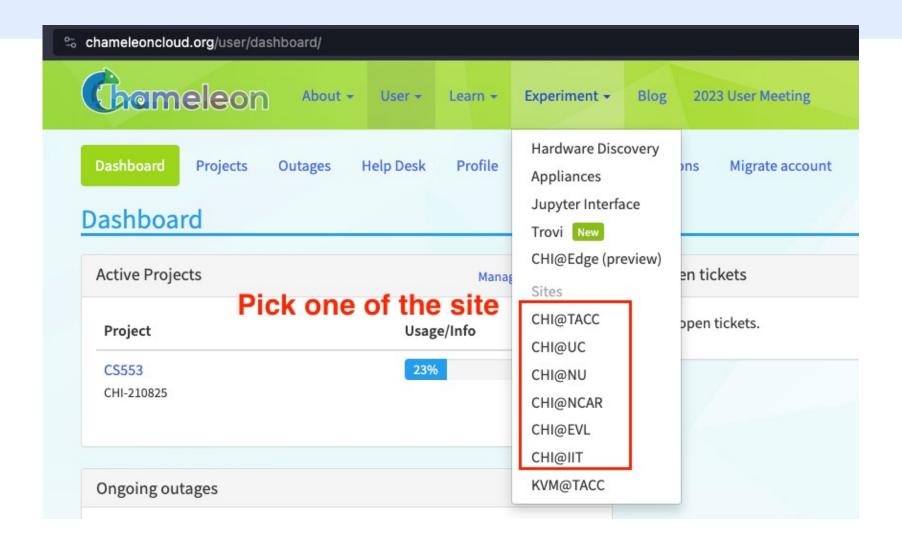
Tutorial on the Chameleon Testbed

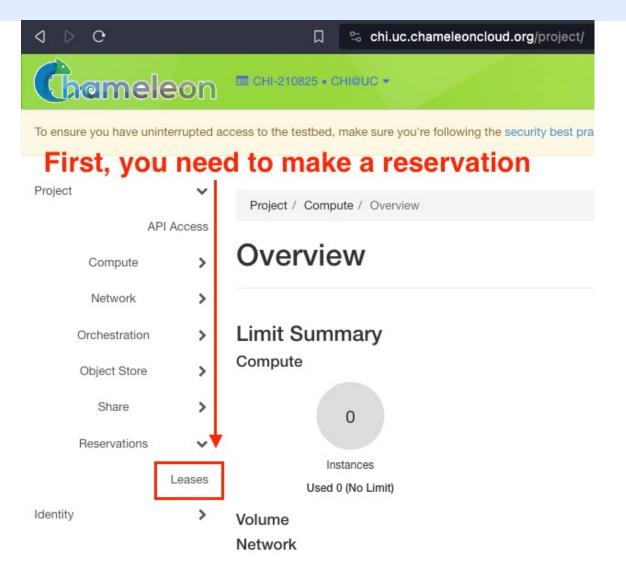
Lan Nguyen Data-Intensive Distributed Systems Laboratory



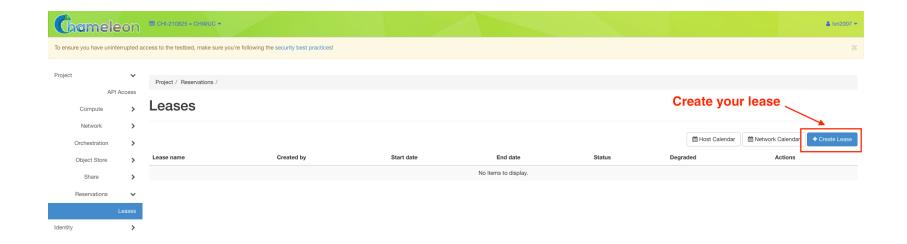


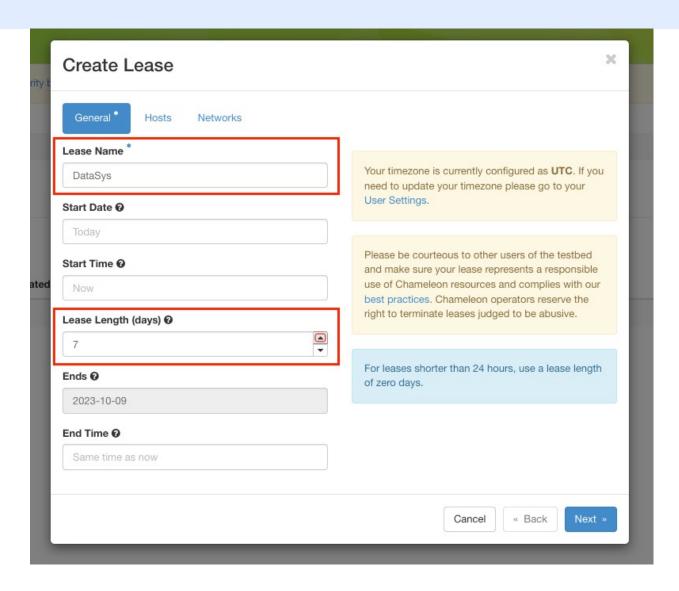
#### Chameleon



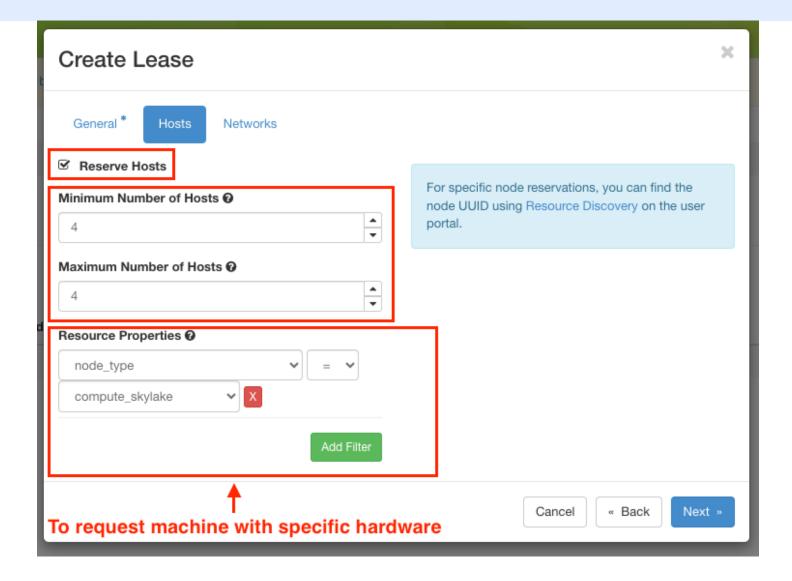




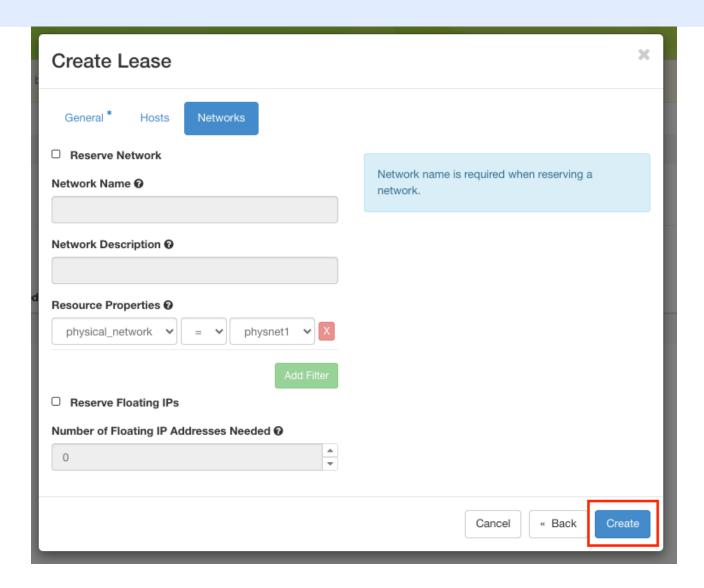


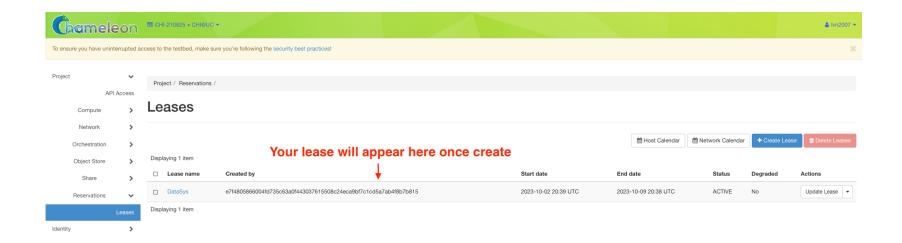




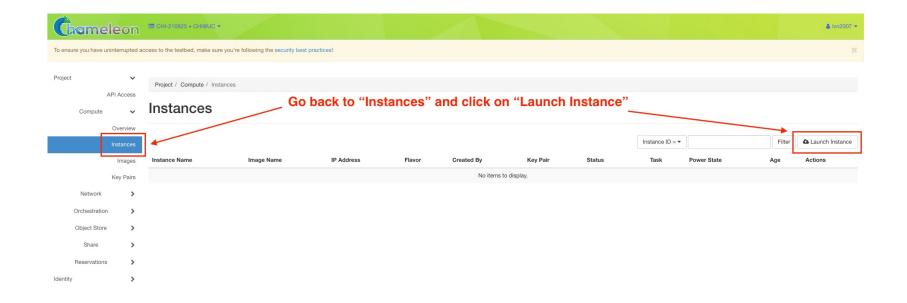


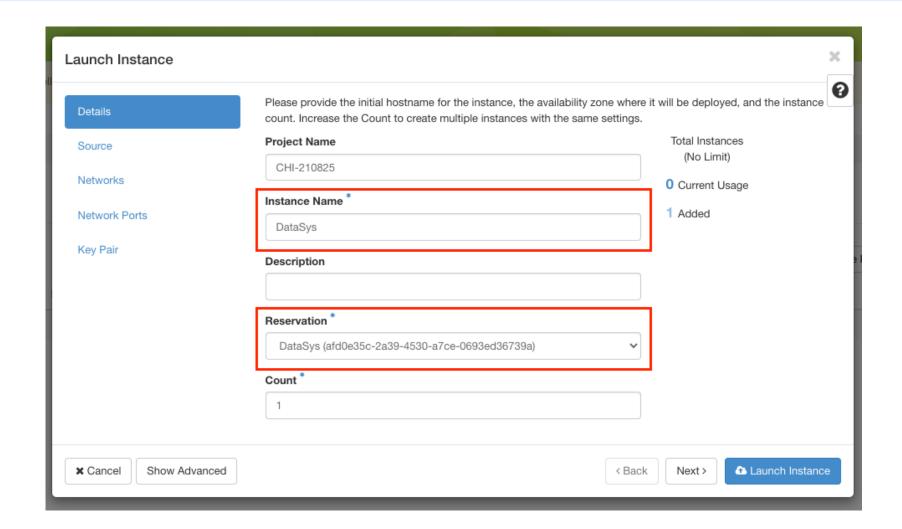




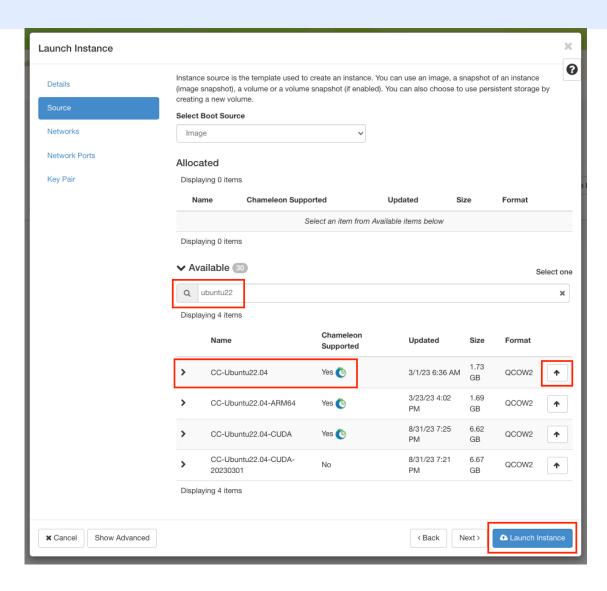




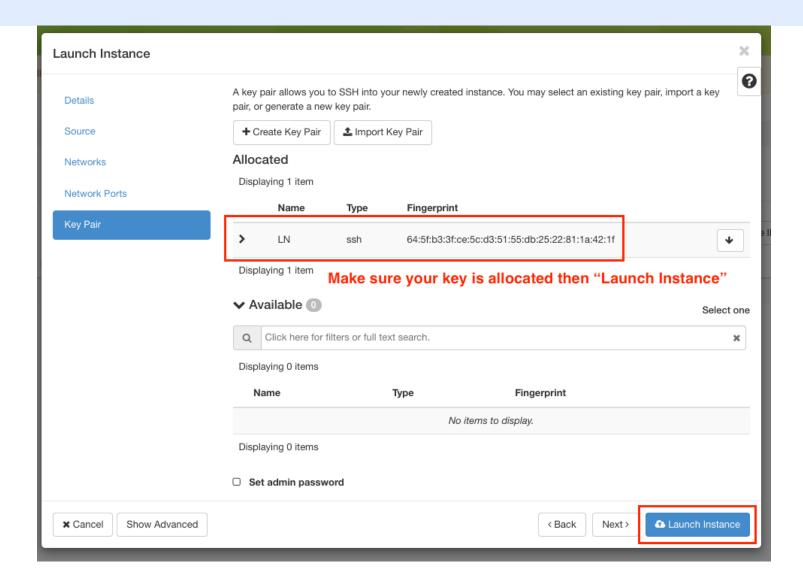




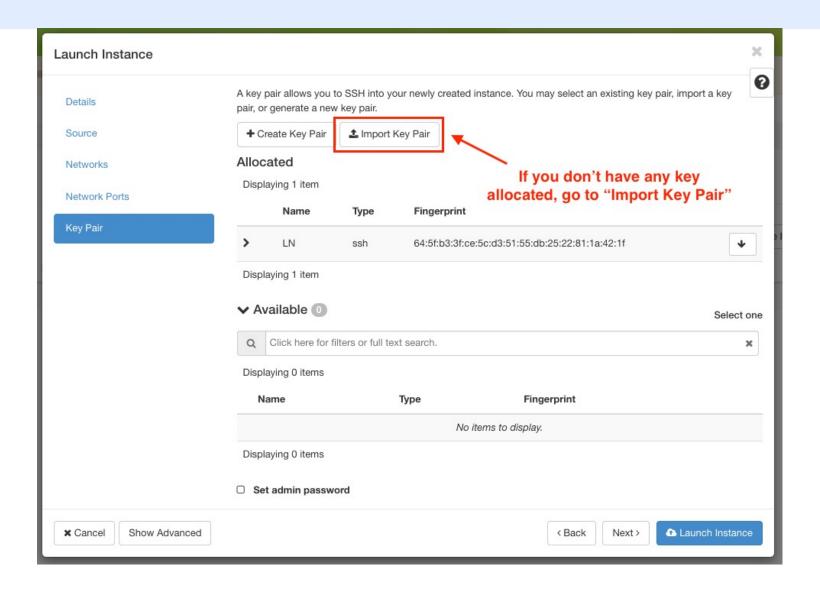




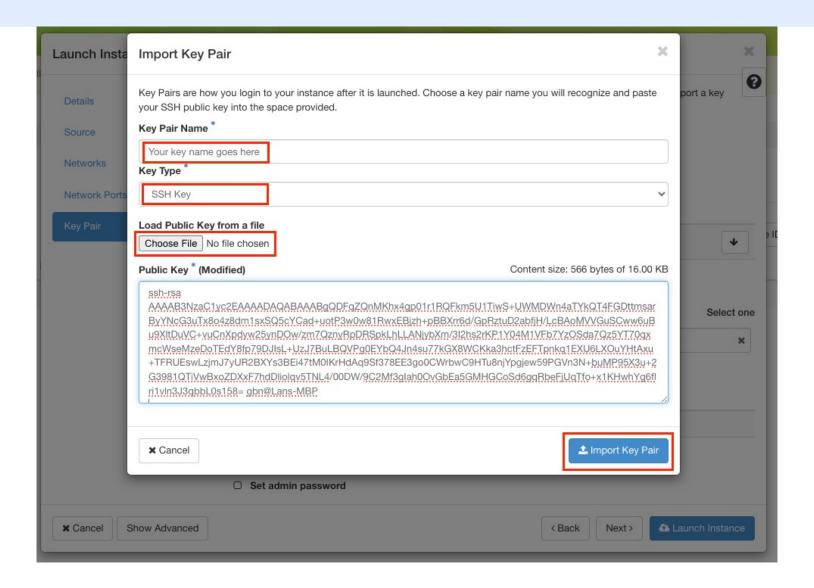


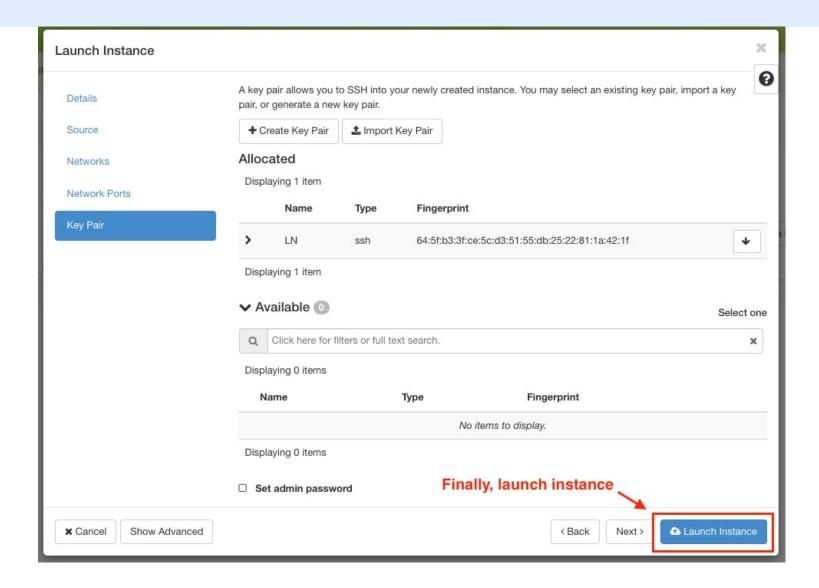


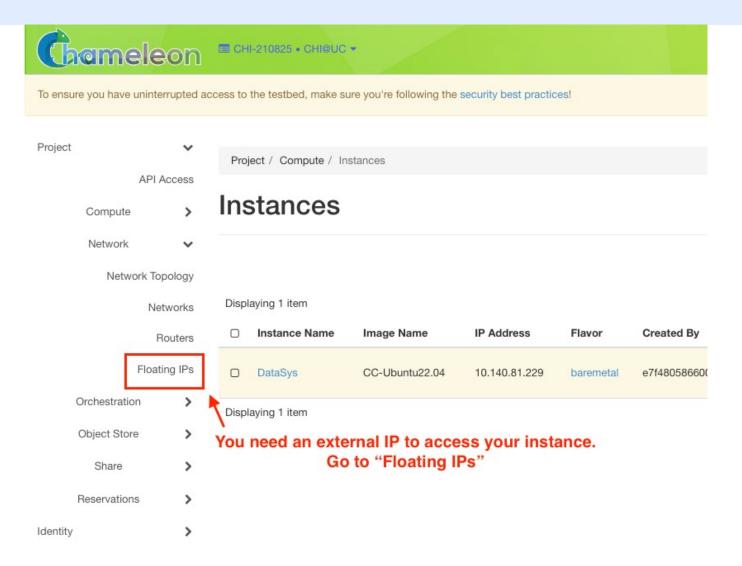




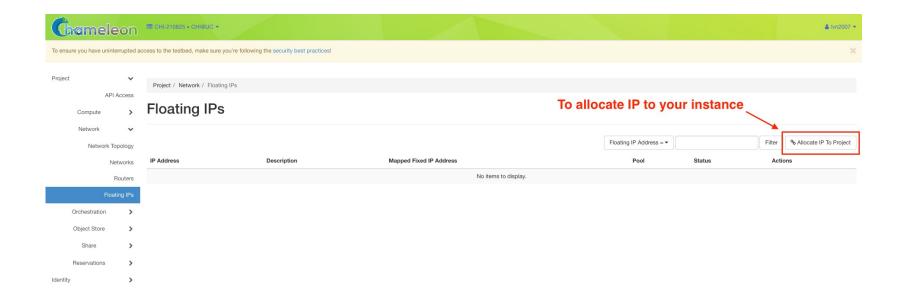




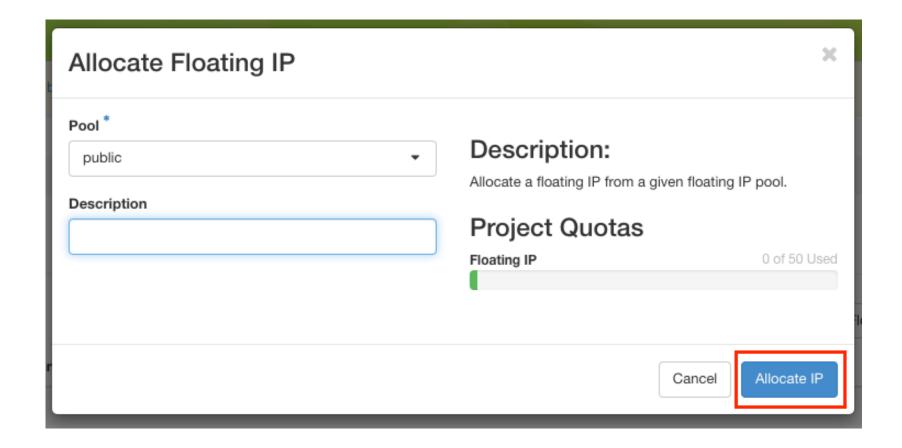






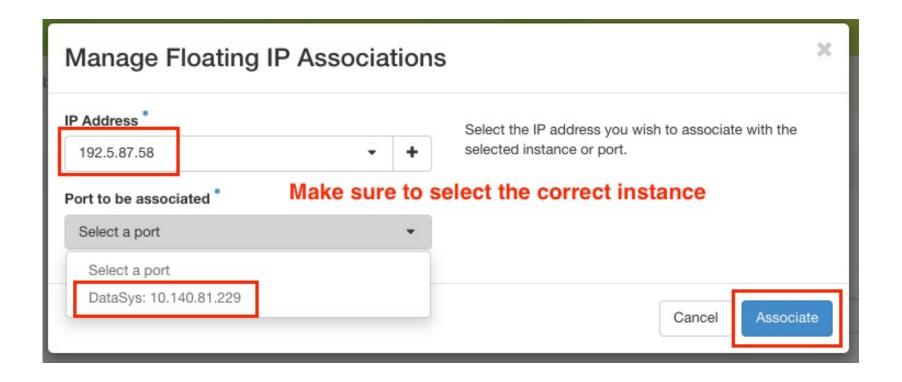


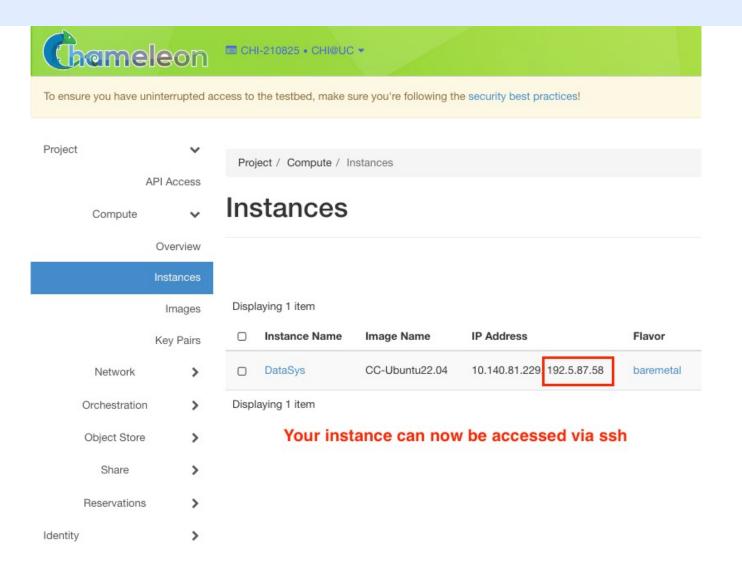








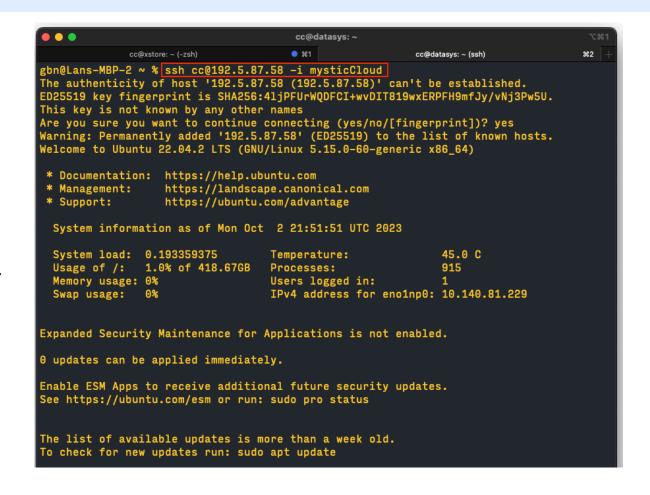






To access your Chameleon instance:

\$ ssh cc@<instance ext. IP addr> -i <your private key>



#### Linux VM

#### First-time setup:

\$ sudo lxd init

#### Modify firewall rules (First-time only):

\$ sudo ufw allow in on lxdbr0

\$ sudo ufw route allow in on lxdbr0

\$ sudo ufw route allow out on lxdbr0

#### Launching a VM:

\$ sudo lxc launch ubuntu:22.04 <VM Name> --vm -c limits.cpu=4 -c limits.memory=4GiB

Shell Access: (To ssh, requires installing openssh-server on target VM)

\$ sudo lxc shell <VM Name>



# ILLINOIS TECH