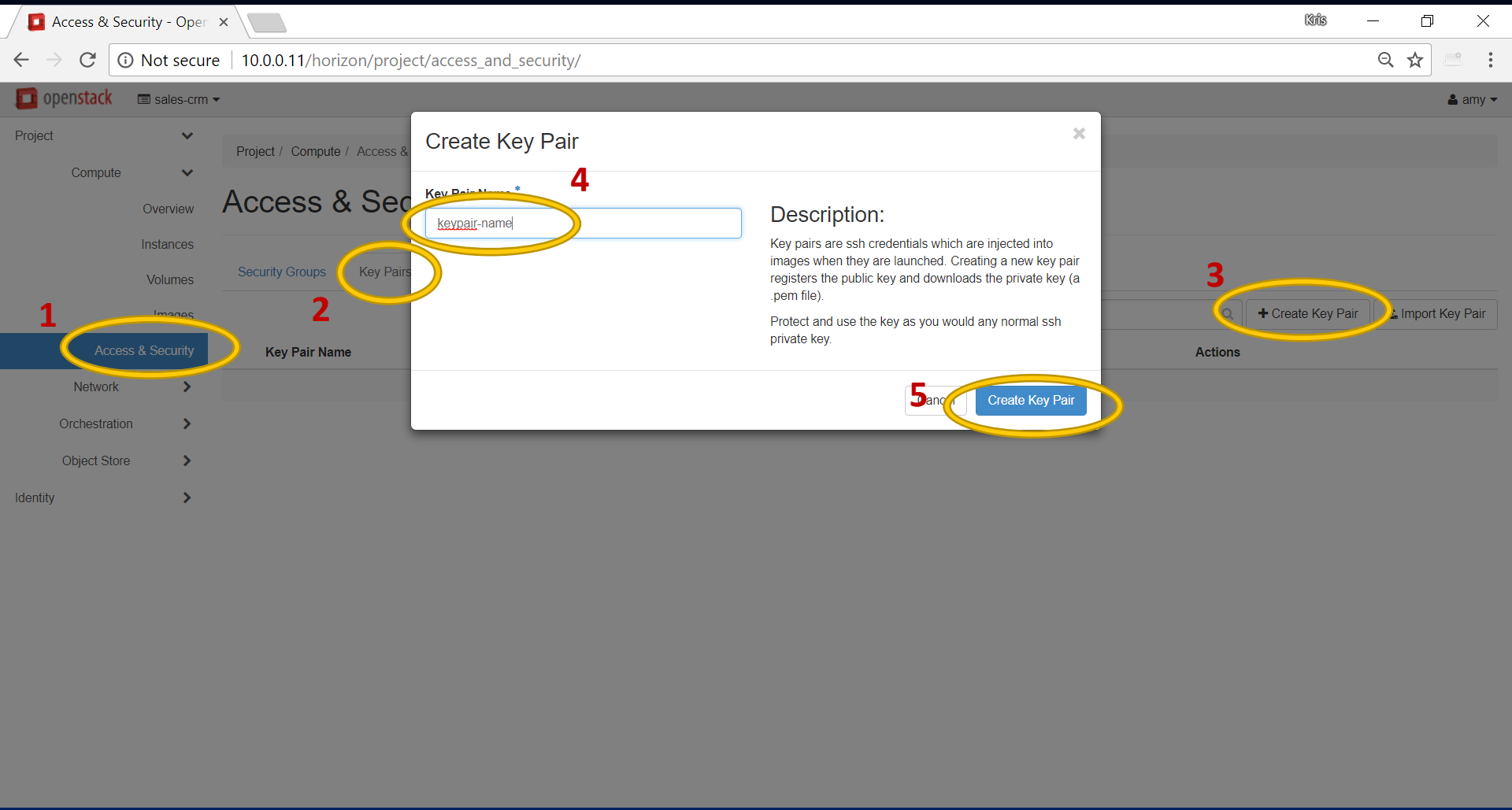
Open Cloud Consulting

Preparing to **Certified OpenStack Administrator** Exam

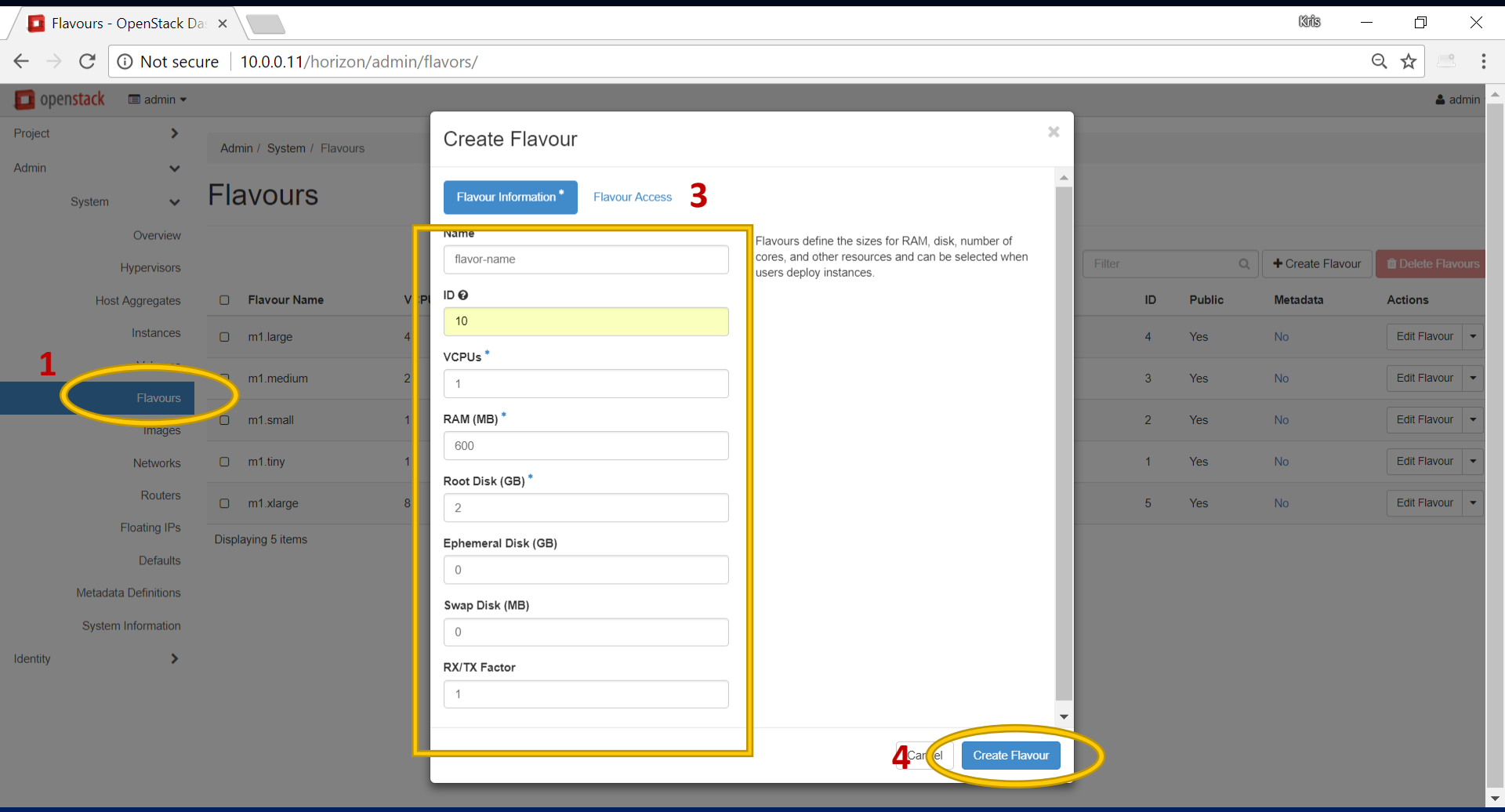
Section 6 – Nova Compute Service

Lecture 25. Nova Summary and Review

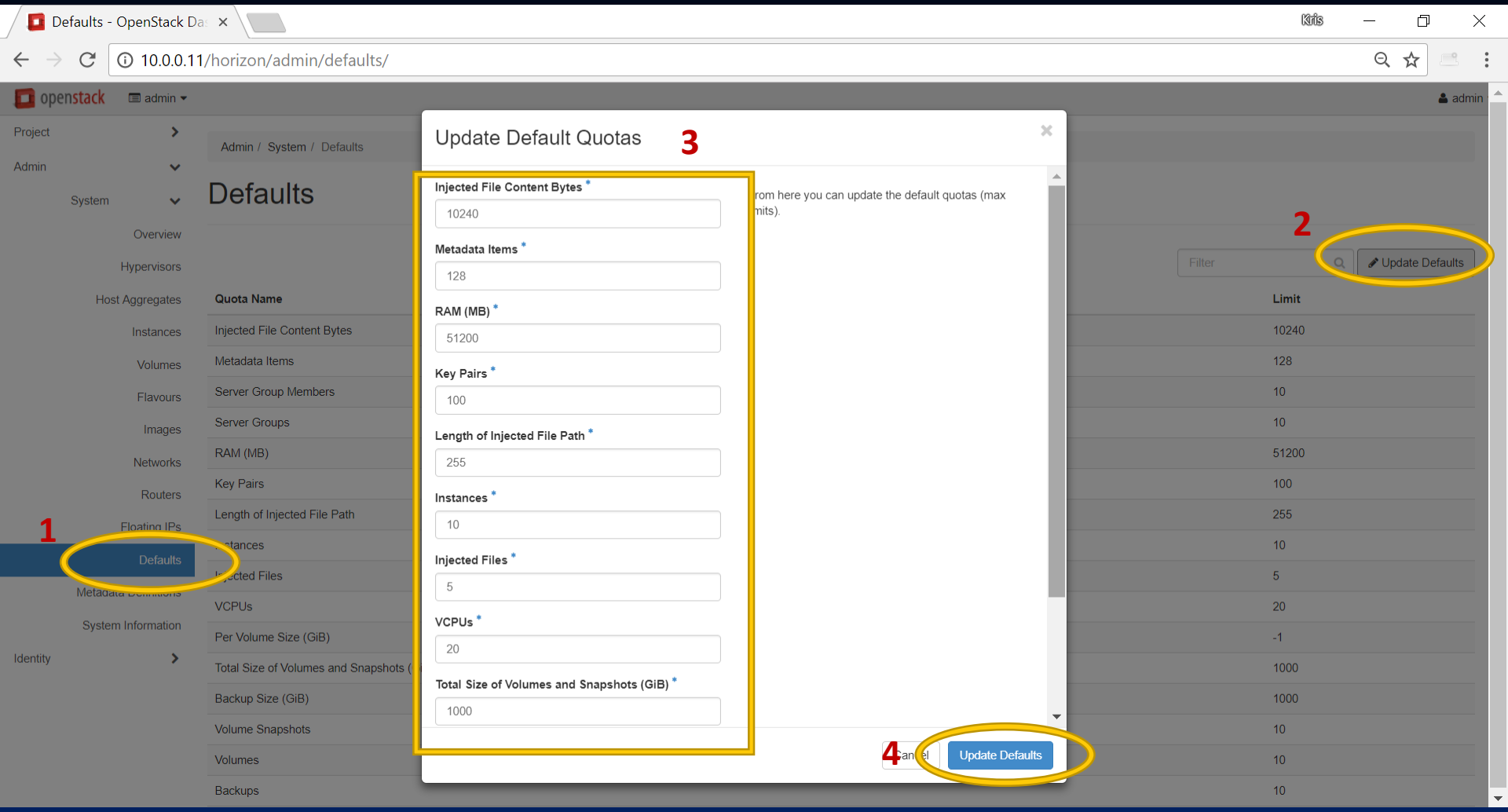
Create a Keypair



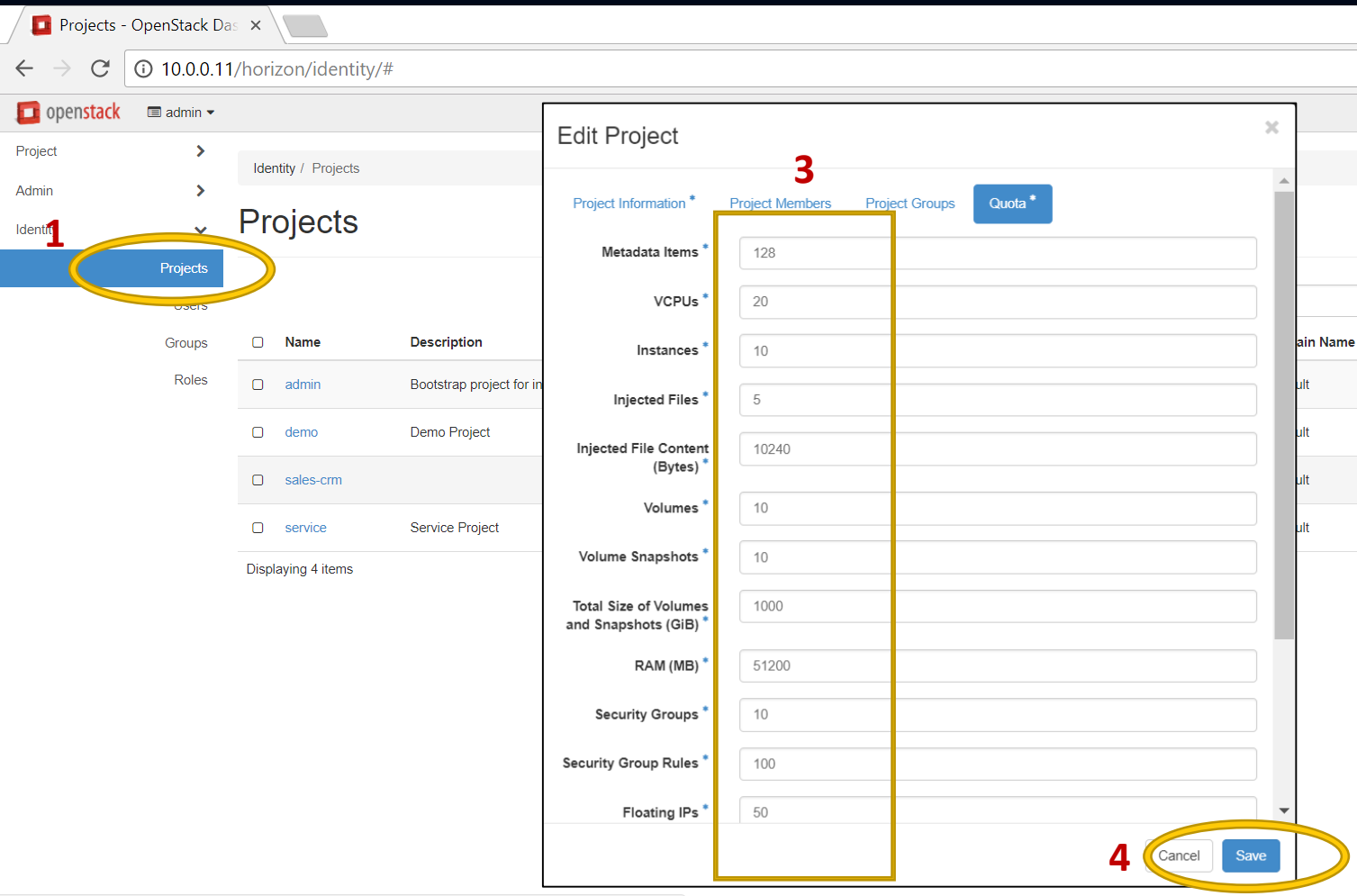
Create a Flavor



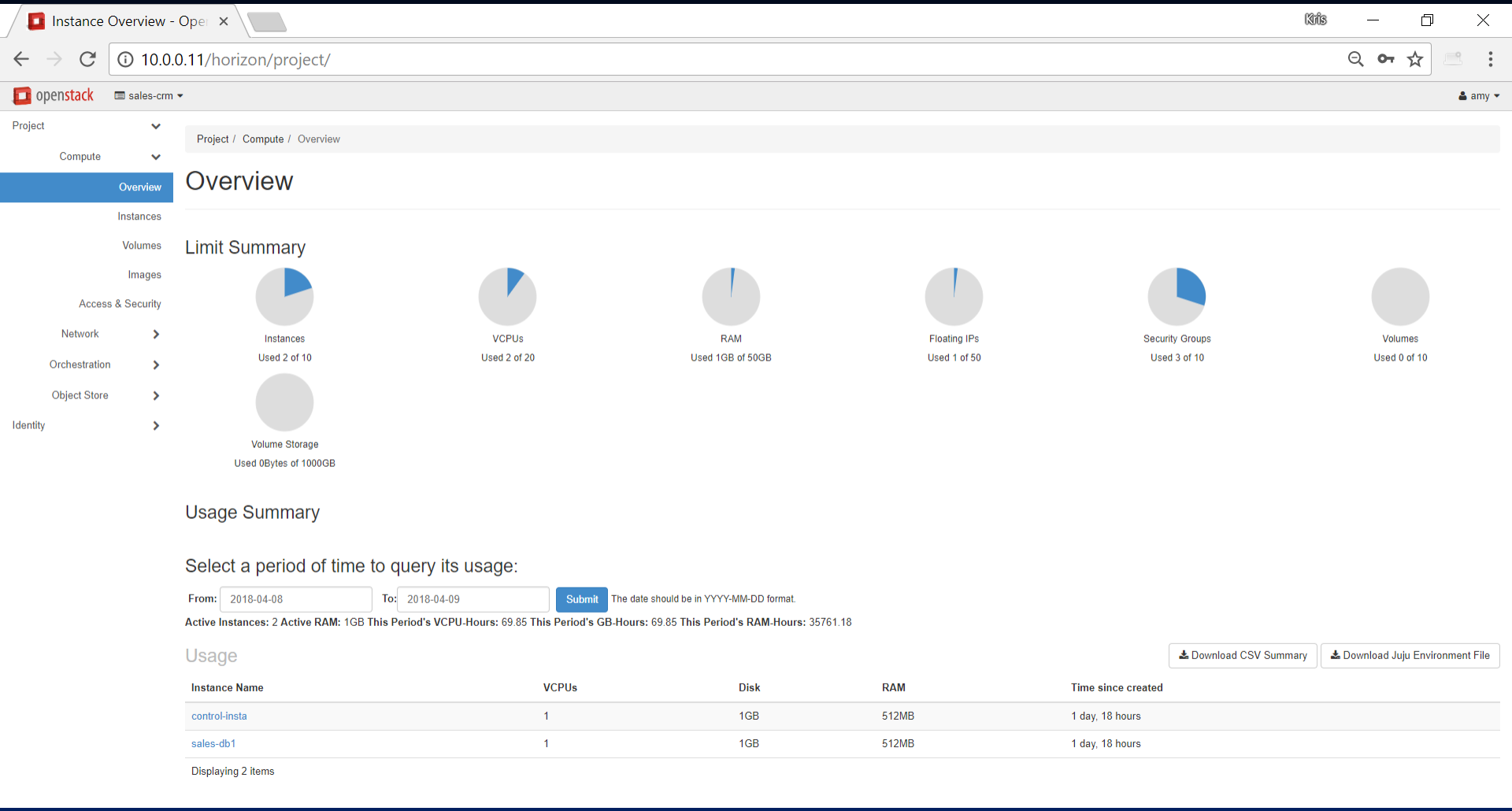
Modify Default Quotas



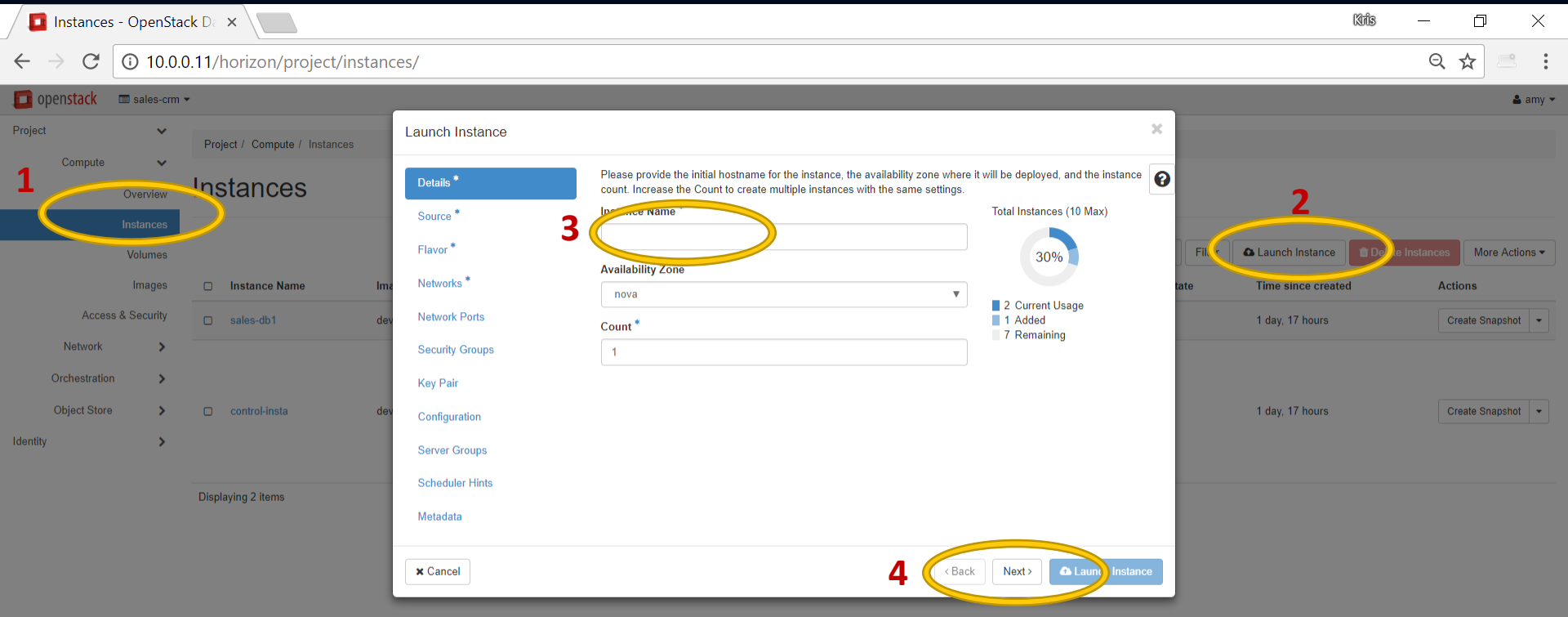
Modify Project Quotas



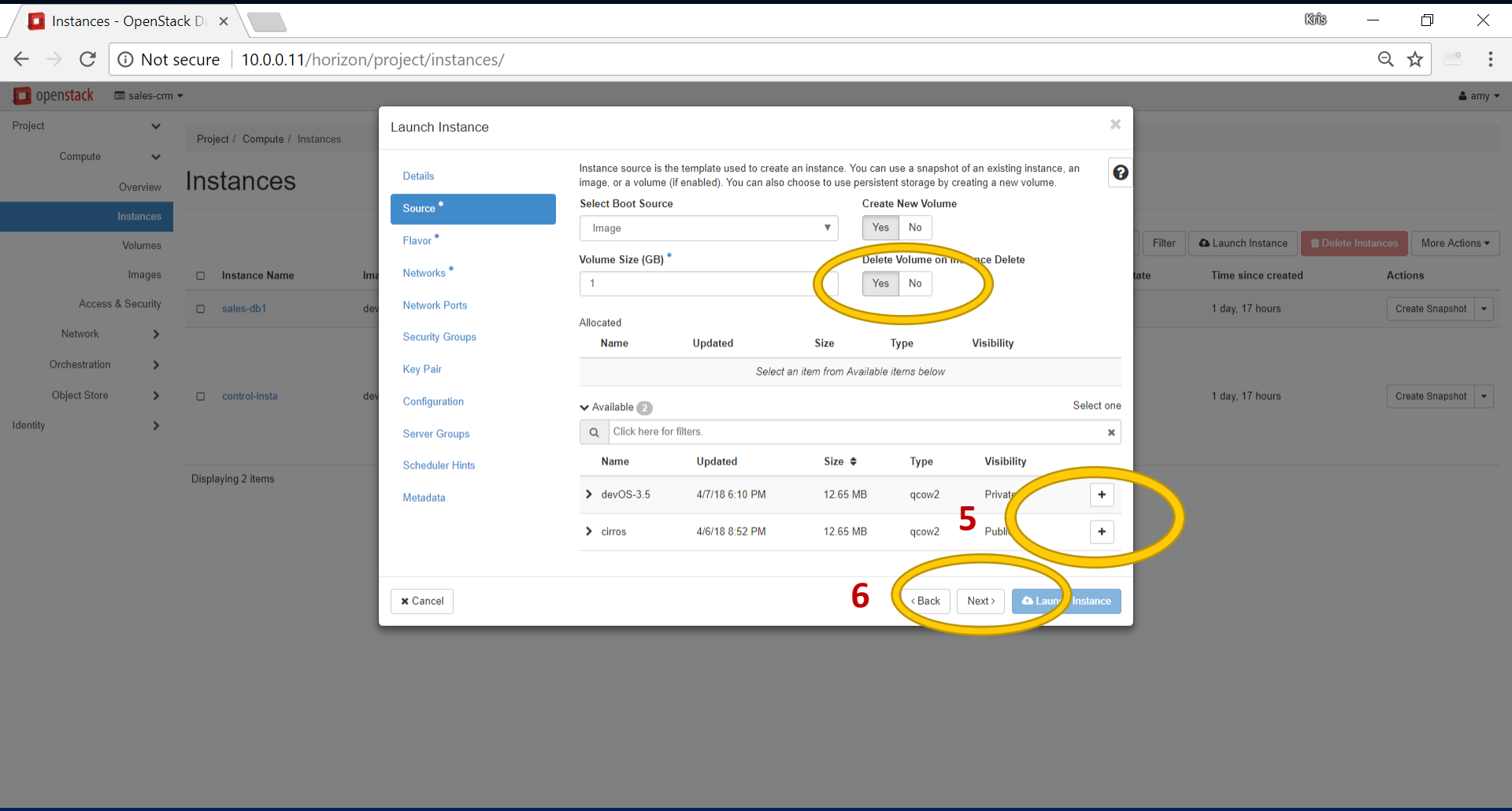
Project Usage Overview



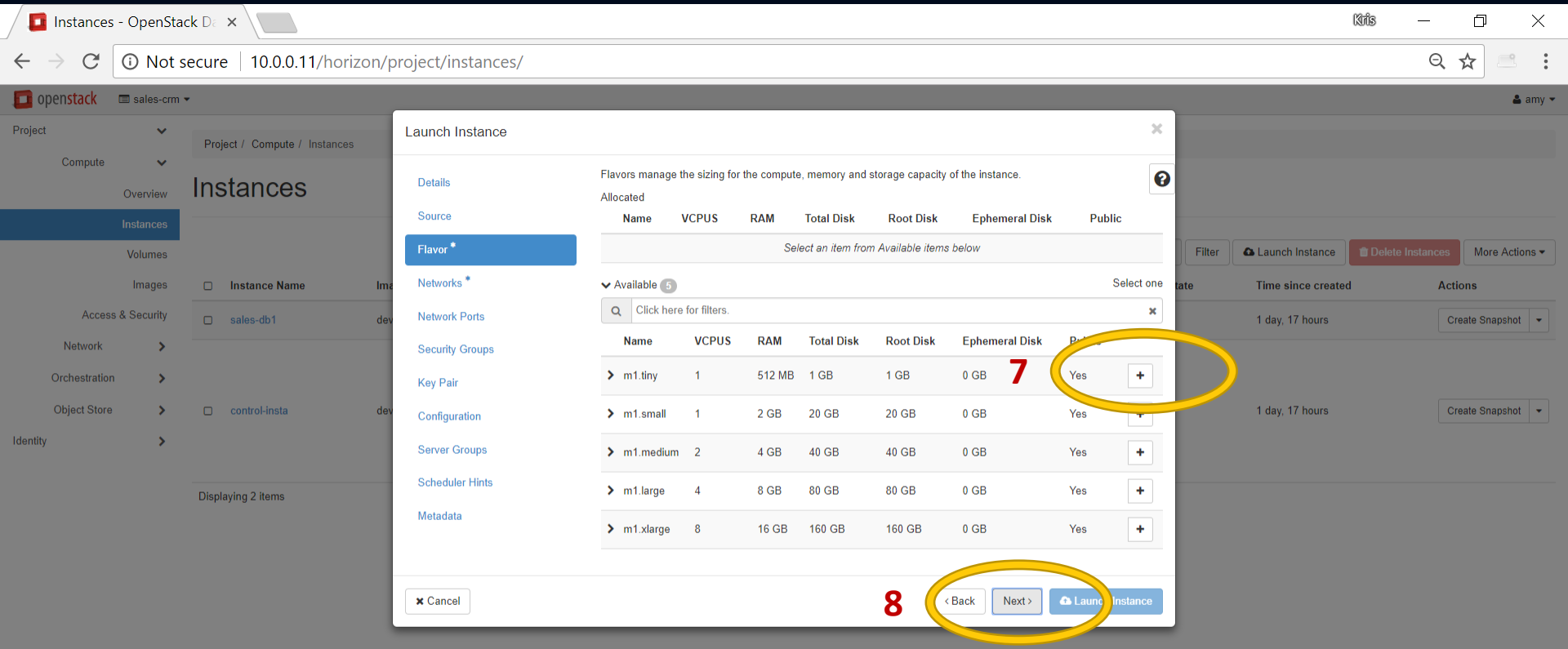
Create a New Instance



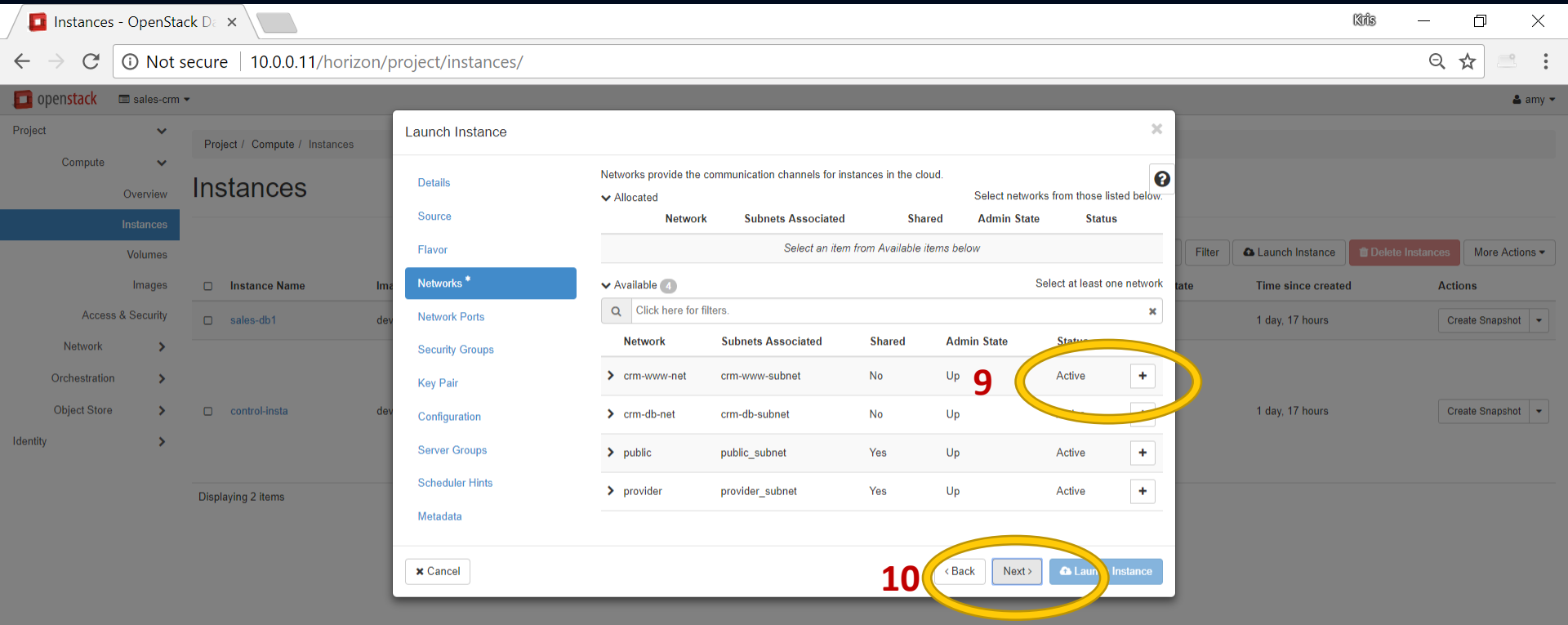
Create a New Instance



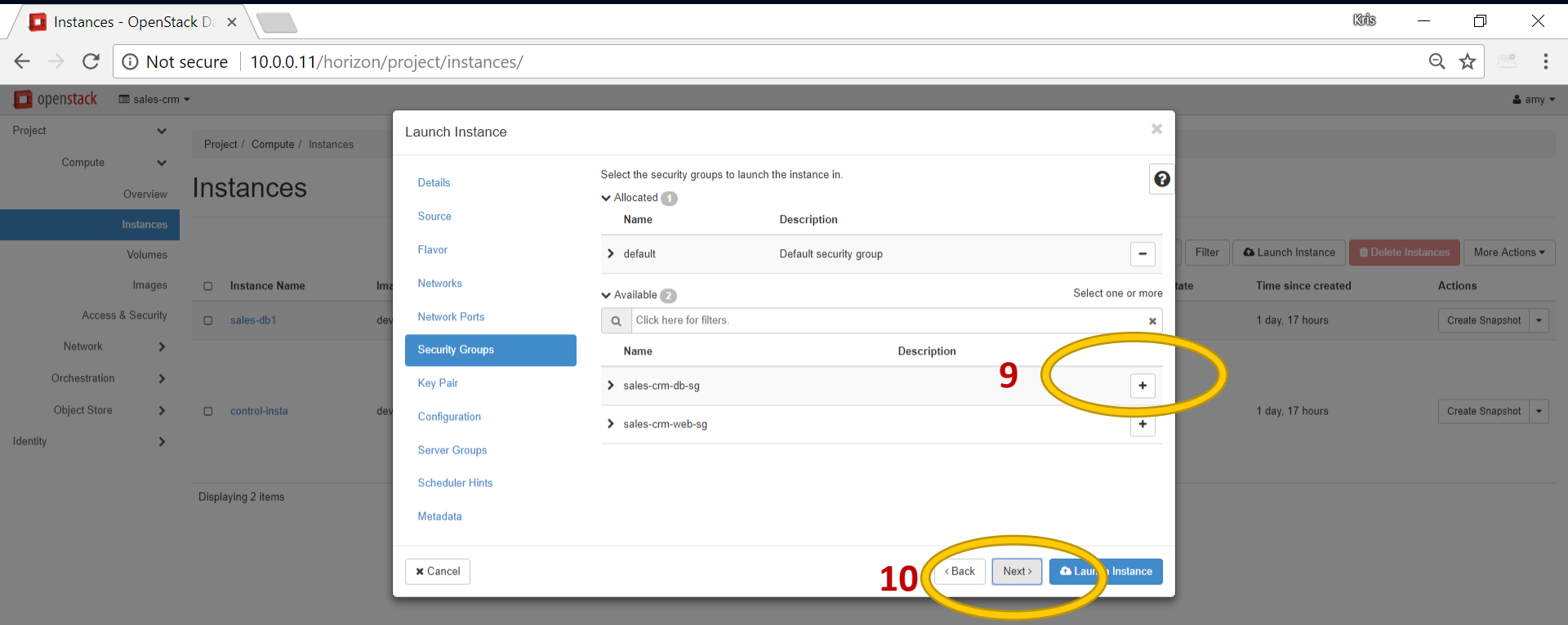
Create a New Instance



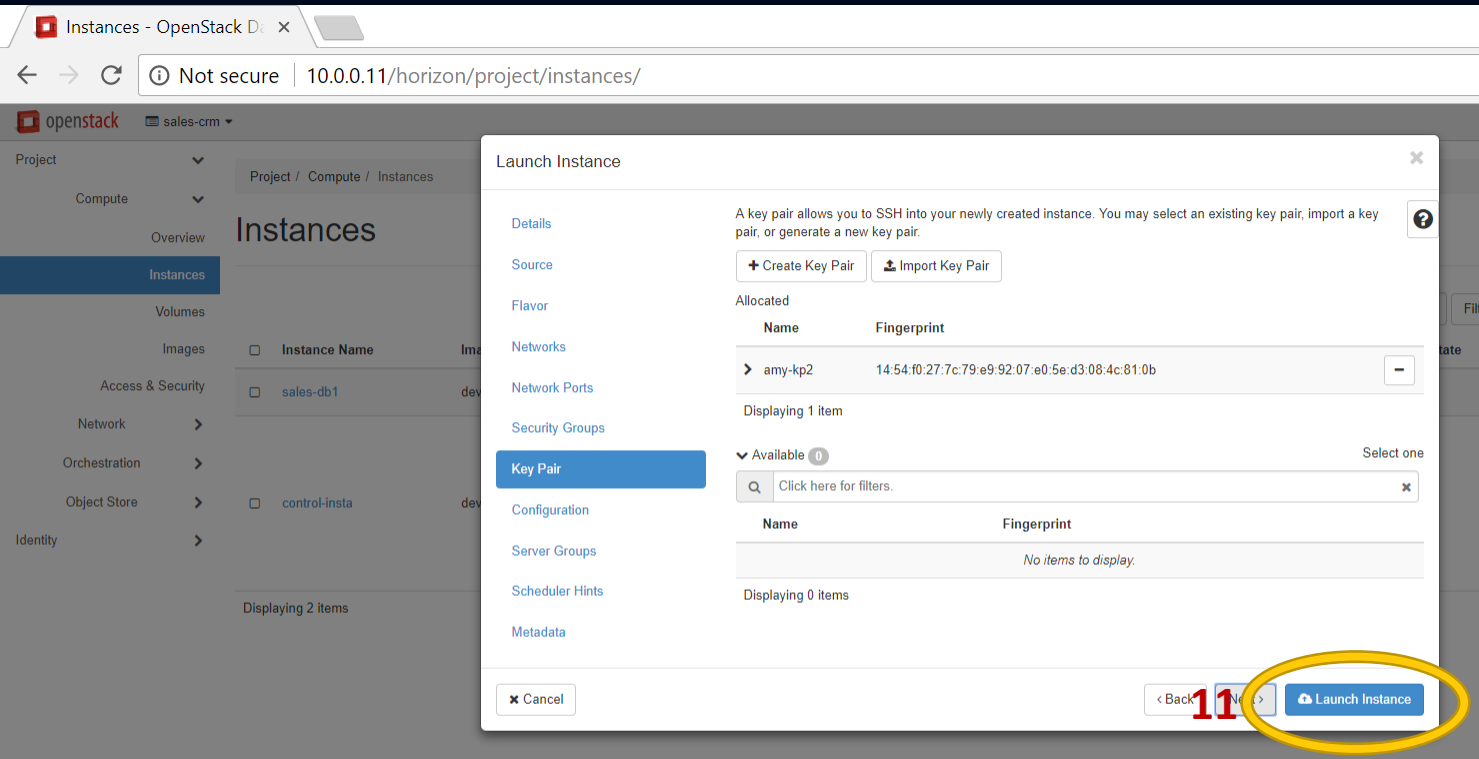
Create a New Instance



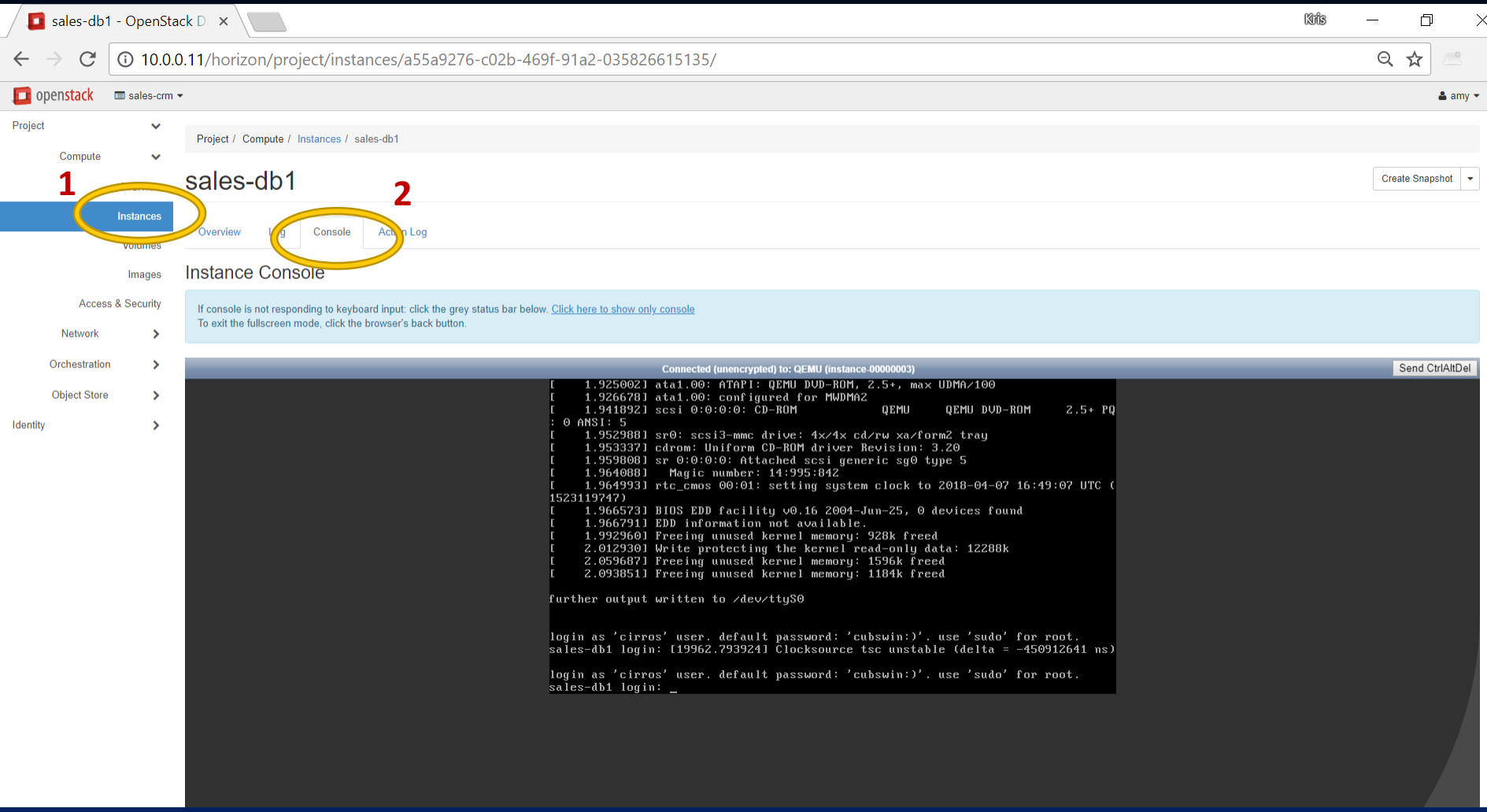
Create a New Instance



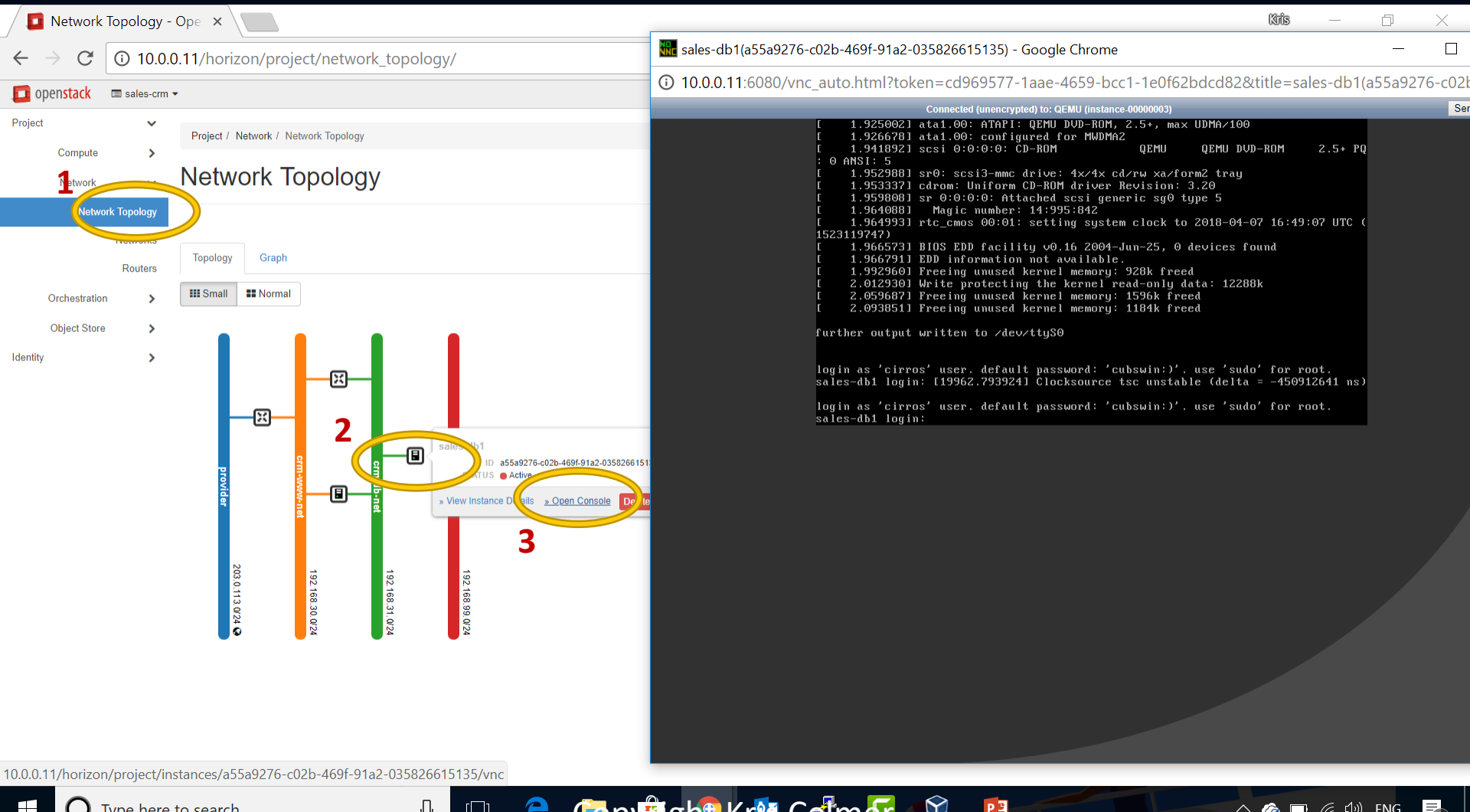
Create a New Instance



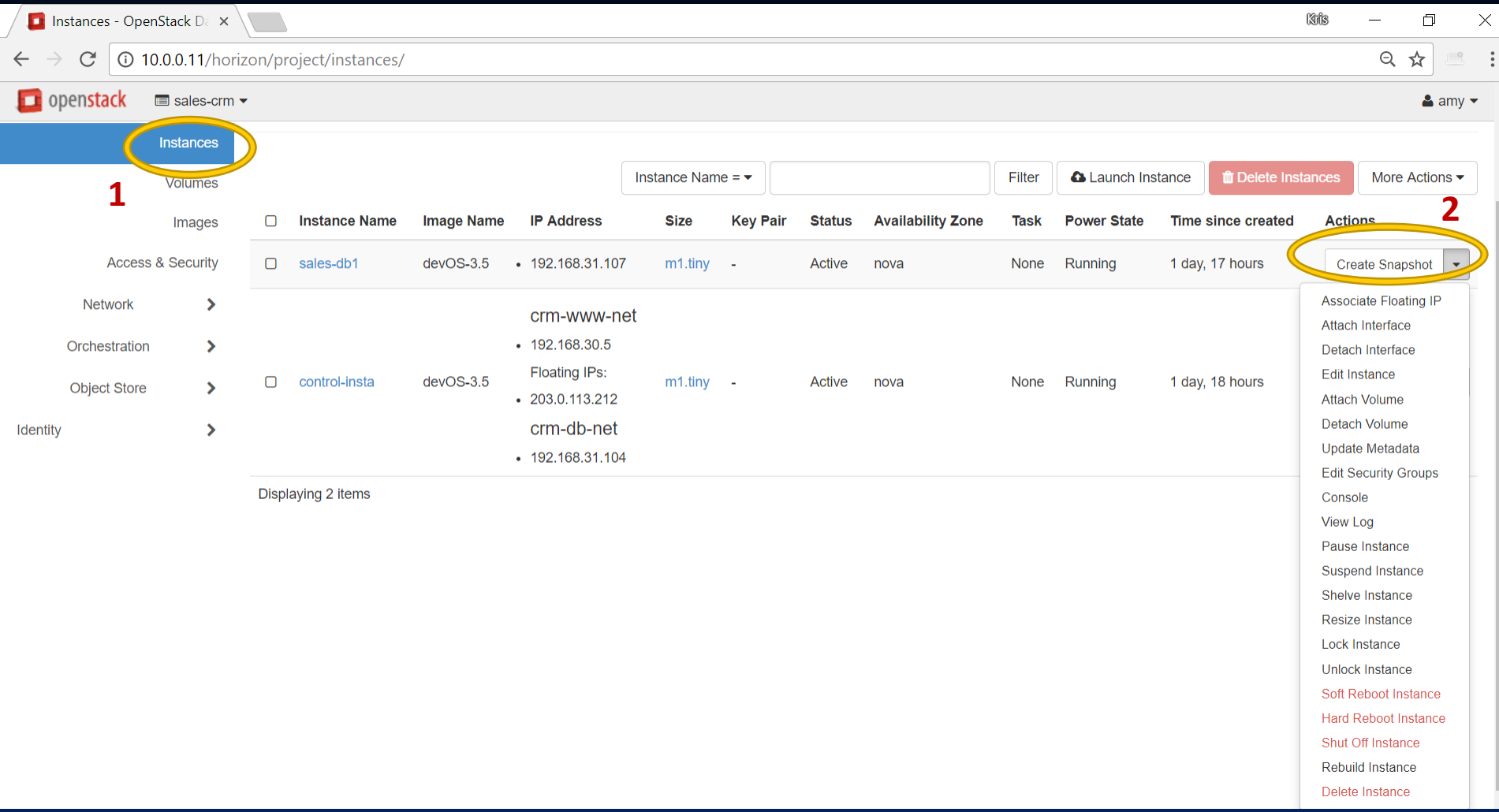
Access Instance's Console



Access Instance's Console



Instance Management



CLI Review

```
$ openstack keypair create <keypair-name> > <kp-file>

$ openstack keypair create --public-key <file> <keypair-name>

$ openstack keypair list

$ openstack flavor create --id <id> --ram <size-MB> \
  --disk <size-GB> --vcpus <cores> \
  --public | --private \
  --property <key=value> flavor-name

$openstack flavor list --long
```

CLI Review

```
$ nova quota-defaults --tenant <project>
$ nova quota-show --tenant <project>
$ nova quota-update \
  --instances <new-limit> --ram <new-limit> \
  --cores <new-limit> --key-pairs <new-limit> \
  <project>

$ nova help
$ nova help <subcommand>
```

CLI Review

```
$ openstack server create --flavor <flavor> \
  --image <image> | --volume <volume> \
  --security-group <sg1> --security-group <sg2> \
  --key-name <keypair> --property <key=value> \
  --nic net-id=<network> \
  <server-name>

$ openstack server list
$ openstack server show

$ openstack server stop <server-name>
$ openstack server start <server-name>
```

CLI Review

```
$ openstack network list
$ ip netns
$ sudo su
# ip netns exec qdhcp-<network UUID> bash
# ping -c 3 <instance-address>
# ssh <user>@<instance-address>

$ openstack server image create \
  --name <new-image-name> \
  <server-name>
$ openstack image list
```

CLI Review

```
$ openstack compute service set --disable \
  --disable-reason "maintenance" \
  <host-name> nova-compute

$ openstack compute service set --enable <host-name> \
  nova-compute

$ openstack compute service list --long
$ openstack host list
$ openstack host show <host-name>
$ nova diagnostics <instance>
$ openstack usage list
```

Preparing to **Certified OpenStack Administrator** Exam

Section 6 – Nova Compute Service

Lecture 25. Nova Summary and Review

Thank you!