

Experiment No. 2.3

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Semester: 6th

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Subject Code: 21CSP-378


Aim: Discover a method for initiating a virtual machine using the TryStack (Online Open Stack Demo Version)

Objective: To launch virtual machine using trystack.

Procedure:

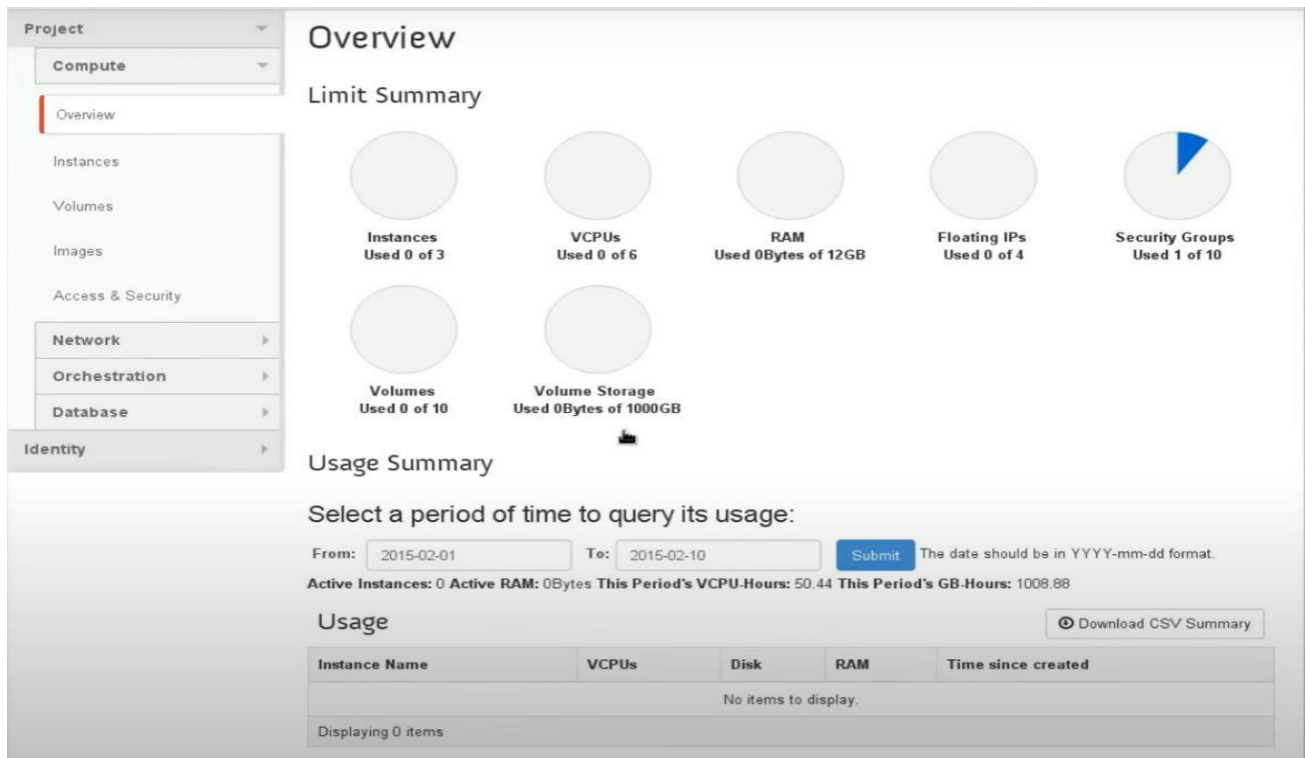
1. Access Trystack Dashboard:

- Go to the Trystack website (<https://trystack.org/>).
- Log in to your account or create one if you don't have an account.

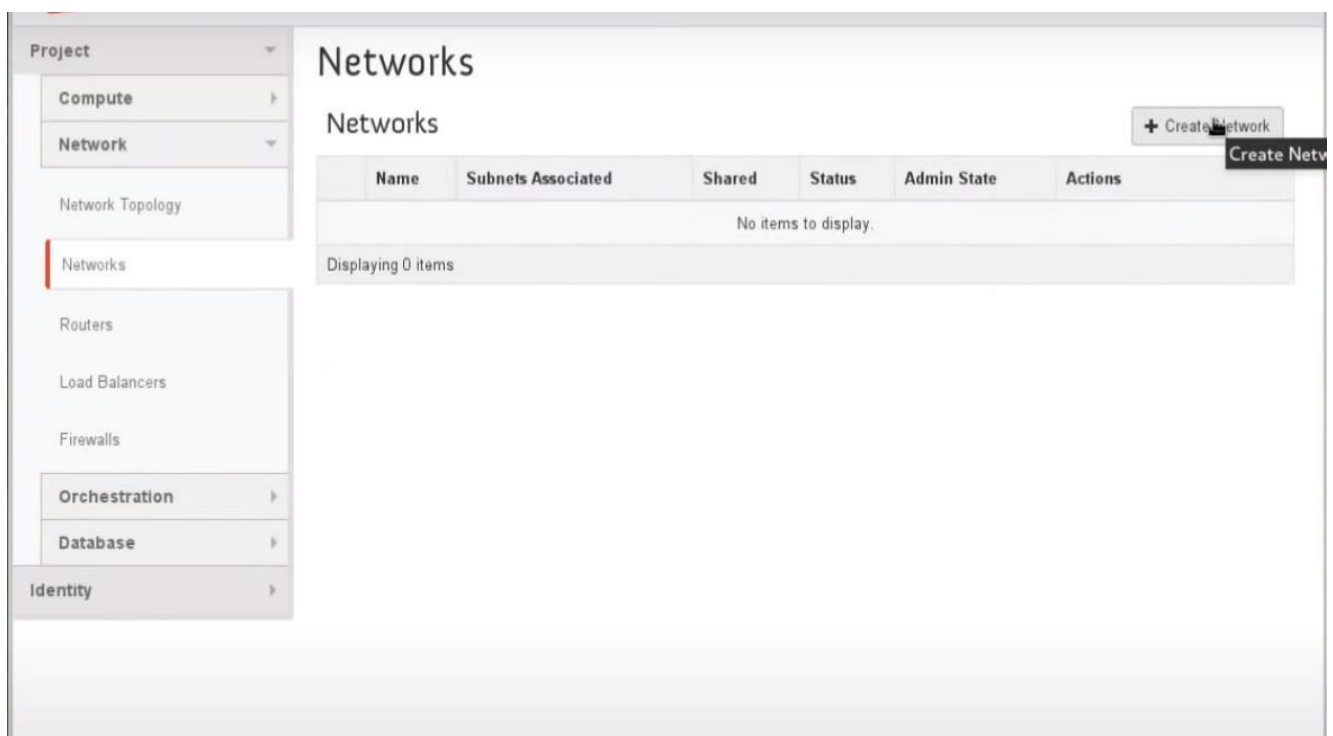


The screenshot shows the TryStack.org OpenStack Sandbox website. At the top, it says "Powered By OpenStack". The main heading is "TryStack.org OPENSTACK SANDBOX" with the tagline "A FREE WAY TO TRY OPENSTACK WITH YOUR APPS". Below this, there's a section titled "The Easiest Way To Try Out OpenStack. We've set up large clusters of hardware running OpenStack on both x86 and ARM architectures. The best part? It's totally free for you to try & test your apps—thanks to our generous individual and corporate contributors." To the right of this text is a button that says "Join Our Facebook Group". Below the main content, there's a section titled "Once we approve your account..." with a "Try out OpenStack:" button and a "Login" button. To the left of this is a "POWERED BY openstack CLOUD SOFTWARE" logo. To the right is a "Testing only, please." section with a "Rule No. 1: Remember that TryStack is designed exclusively as a testing sandbox." warning.

- After you log in to the TryStack, you will see the Compute Dashboard like:



2. Create a private local network in Trystack by going to Network > Networks, providing a name (e.g., "internal"), and specifying a CIDR block (e.g., 192.168.1.0/24).



Create Network

Network

Subnet

Subnet Detail

☒ Create Subnet

Subnet Name

Network Address ⓘ

IP Version *

IPv4

Gateway IP ⓘ

☐ Disable Gateway

Create a subnet associated with the new network, in which case "Network Address" must be specified. If you wish to create a network without a subnet, uncheck the "Create Subnet" checkbox.

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Project

Compute

Network

Network Topology

Networks

Routers

Load Balancers

Firewalls

Orchestration

Database

Identity

Networks

Networks

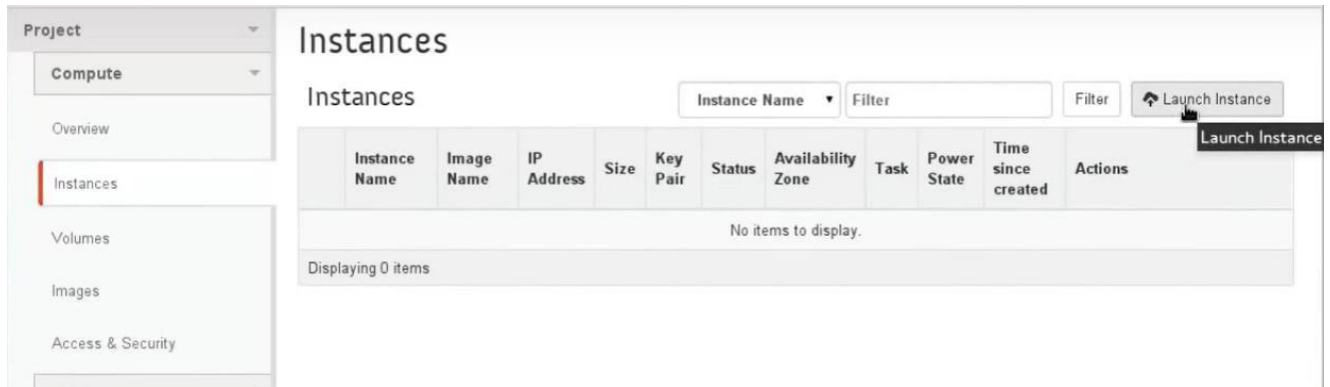
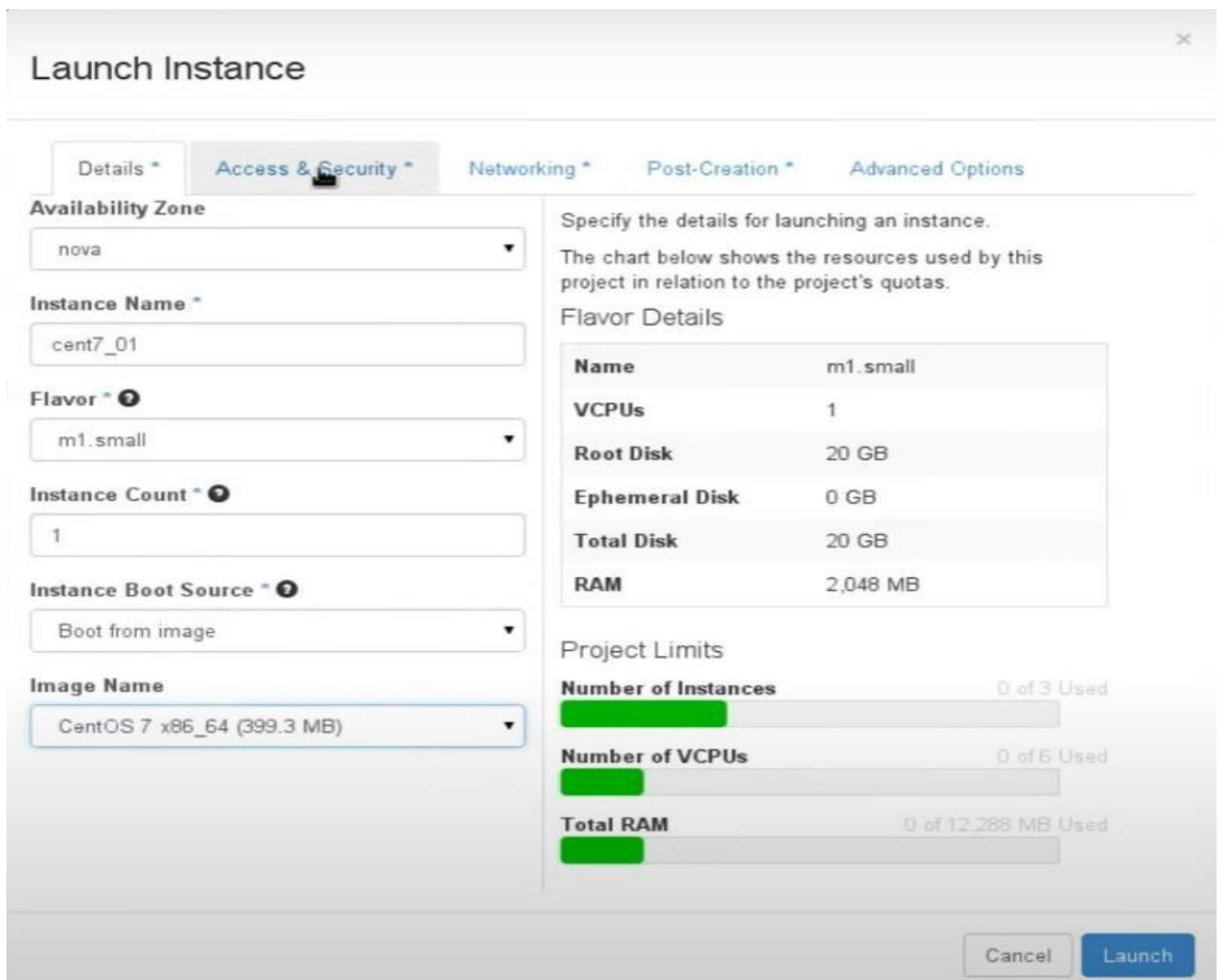
+ Create Network

Delete Networks

	Name	Subnets Associated	Shared	Status	Admin State	Actions
<input type="checkbox"/>	internal	192.168.37.0/24	No	ACTIVE	UP	<div>Edit Network</div> <div></div>

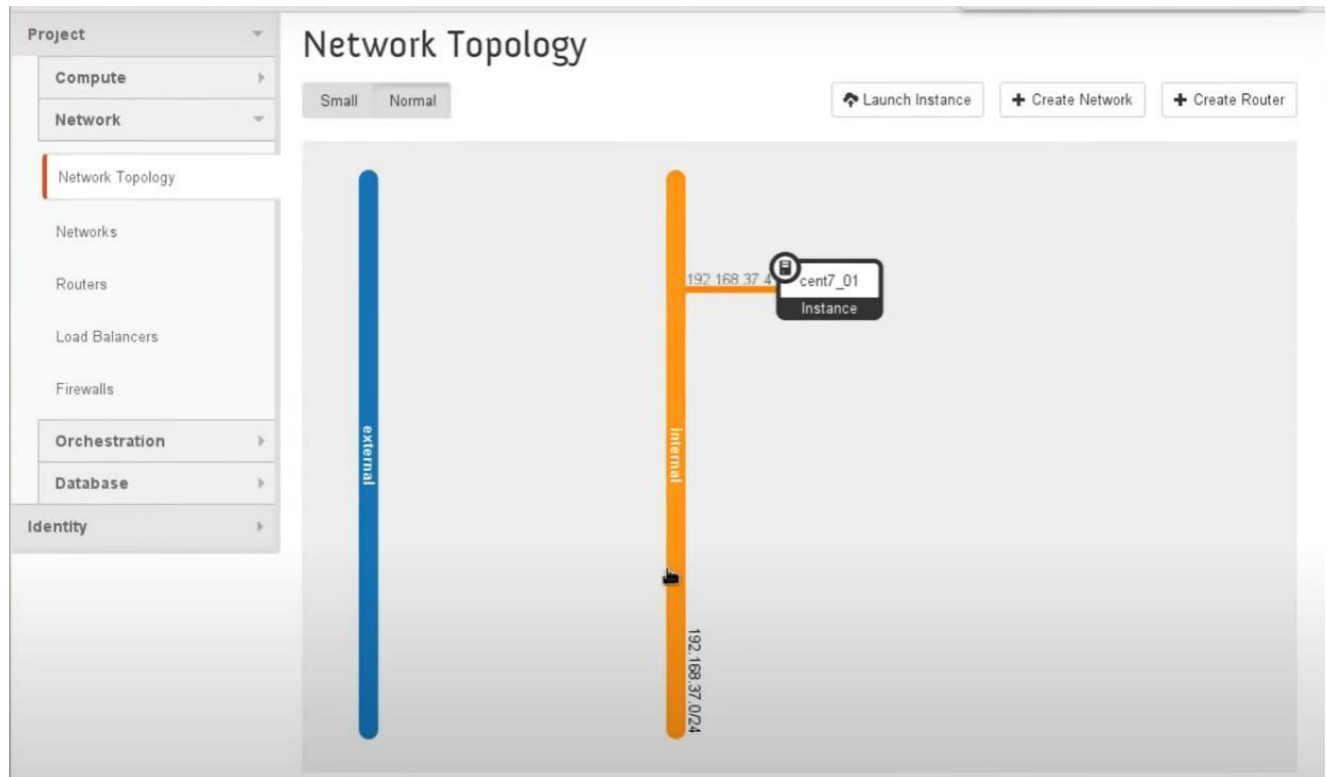
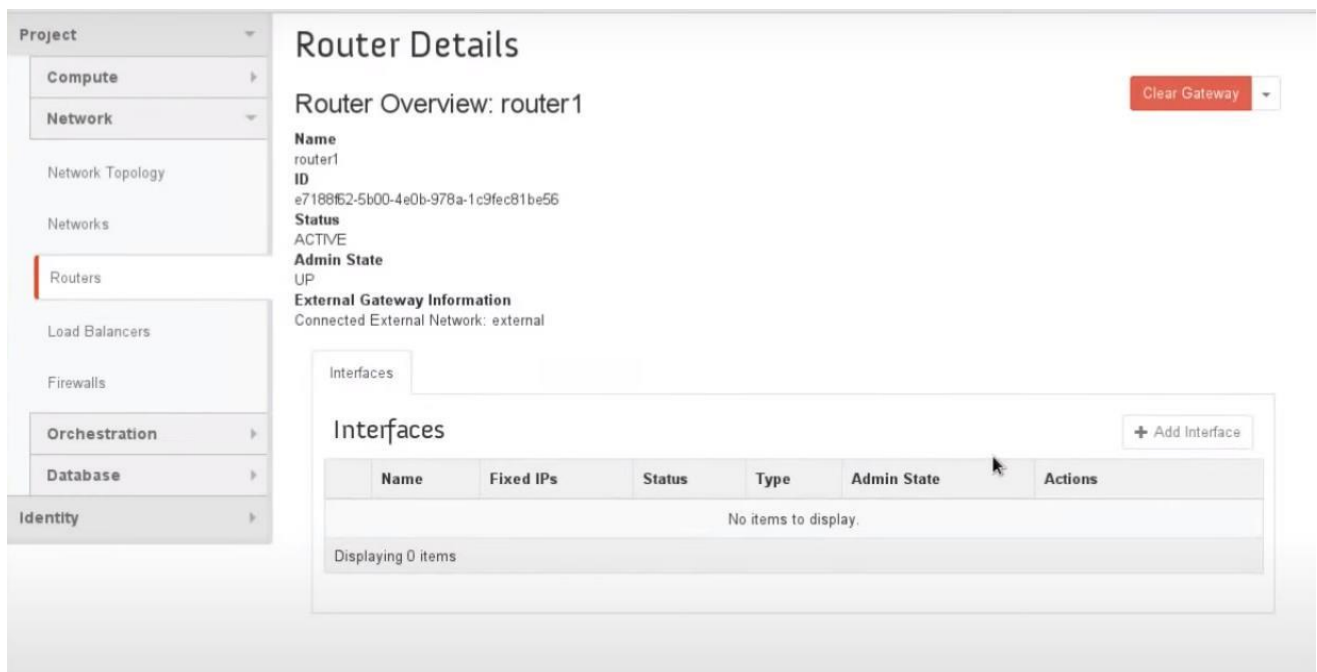
Displaying 1 item

3. Launch an instance by going to Compute > Instances, providing details like instance name, flavor, and image. Connect the instance to the created network and set up key pairs and security groups.

4. Create a router in Network > Routers, connect it to the external network, and associate it with the internal network to enable internet access.

Configure a floating IP for your instance in Compute > Instances, allowing public access. Set up security rules in Compute > Access & Security for ICMP, HTTP, and SSH. SSH into your instance using the assigned floating IP.

Router Details

Router Overview: router1 Clear Gateway

Name
router1

ID
e718862-5b00-4e0b-978a-1c9fec81be56

Status
ACTIVE

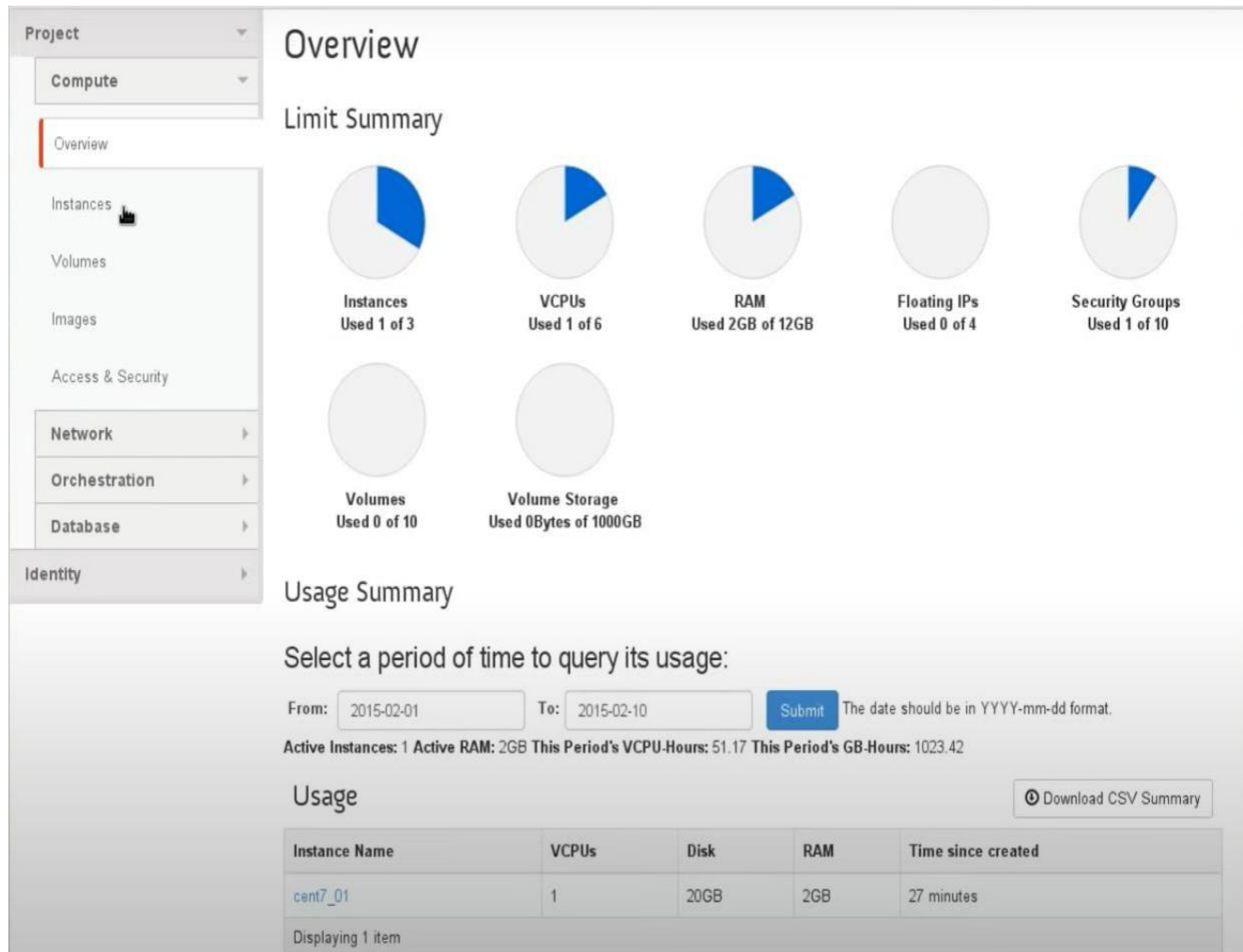
Admin State
UP

External Gateway Information
Connected External Network: external

Interfaces

Name	Fixed IPs	Status	Type	Admin State	Actions
No items to display.					

Displaying 0 items



LEARNING OUTCOMES :

1. Learned about the working of TryStack (Online OpenStack Demo Version).
2. Learned about the working of Virtual machine.