

Experiment No. 3.1

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Subject Name: Cloud Computing and
Distributed Systems Lab

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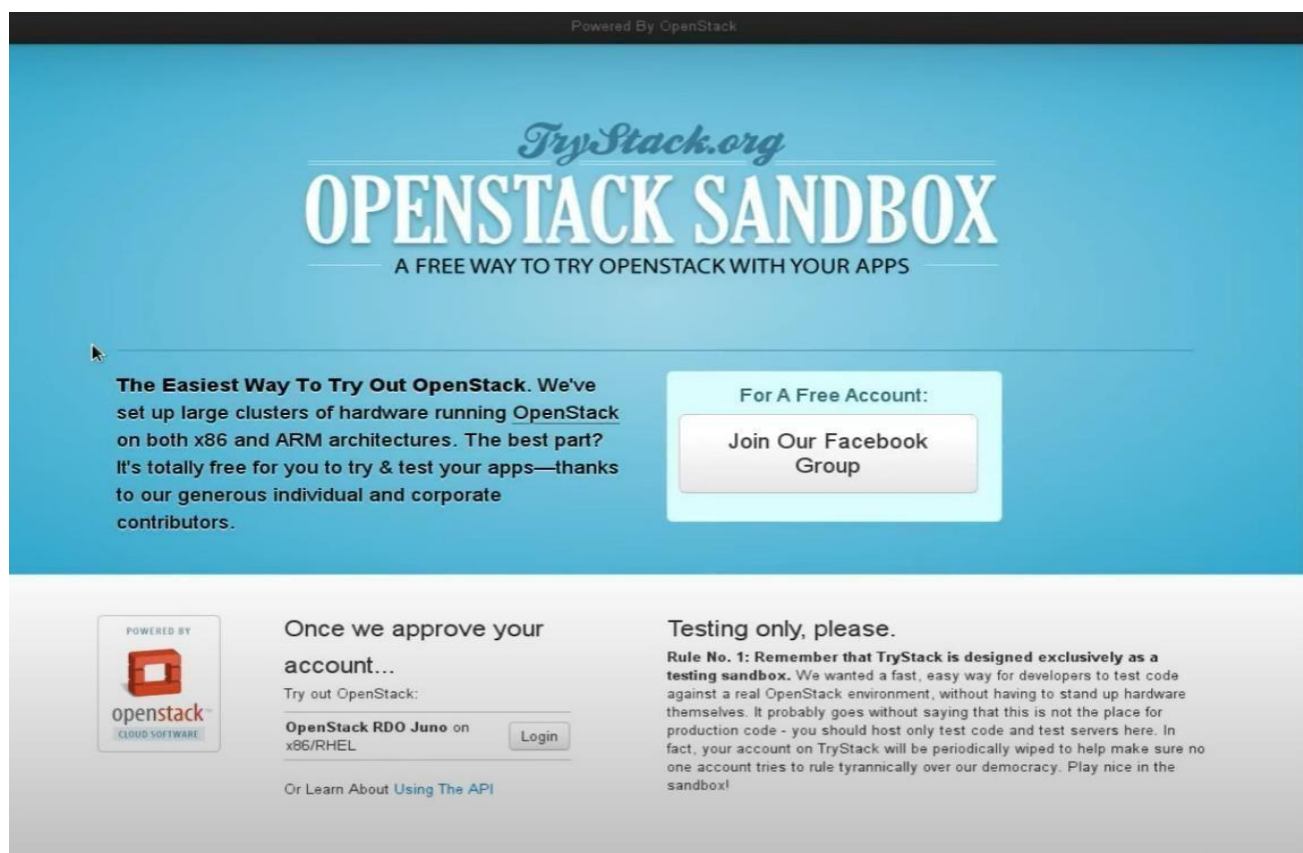
○ **Aim:** Discover a method for initiating a virtual machine using the TryStack (Online Open Stack Demo Version)

○ **Objective:** To launch virtual machine using trystack.

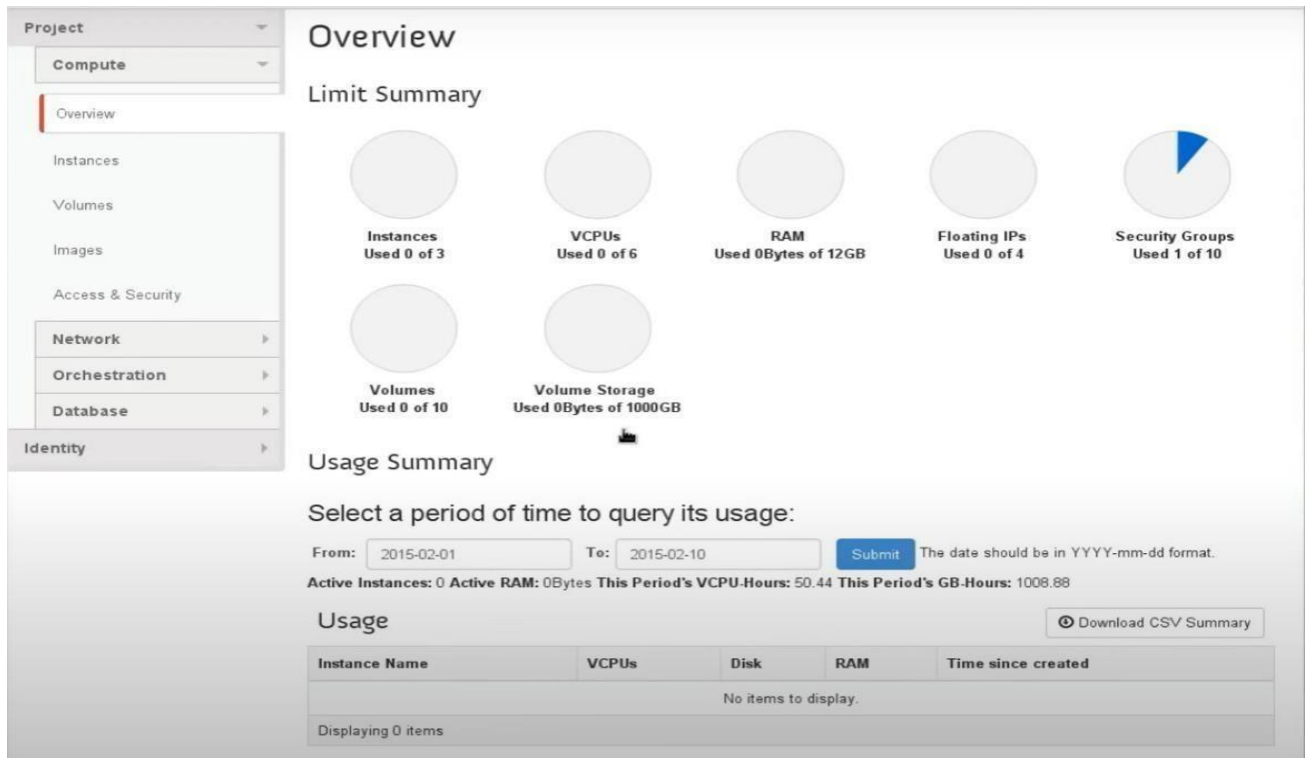
○ **Procedure:**

1. Access Trystack Dashboard:

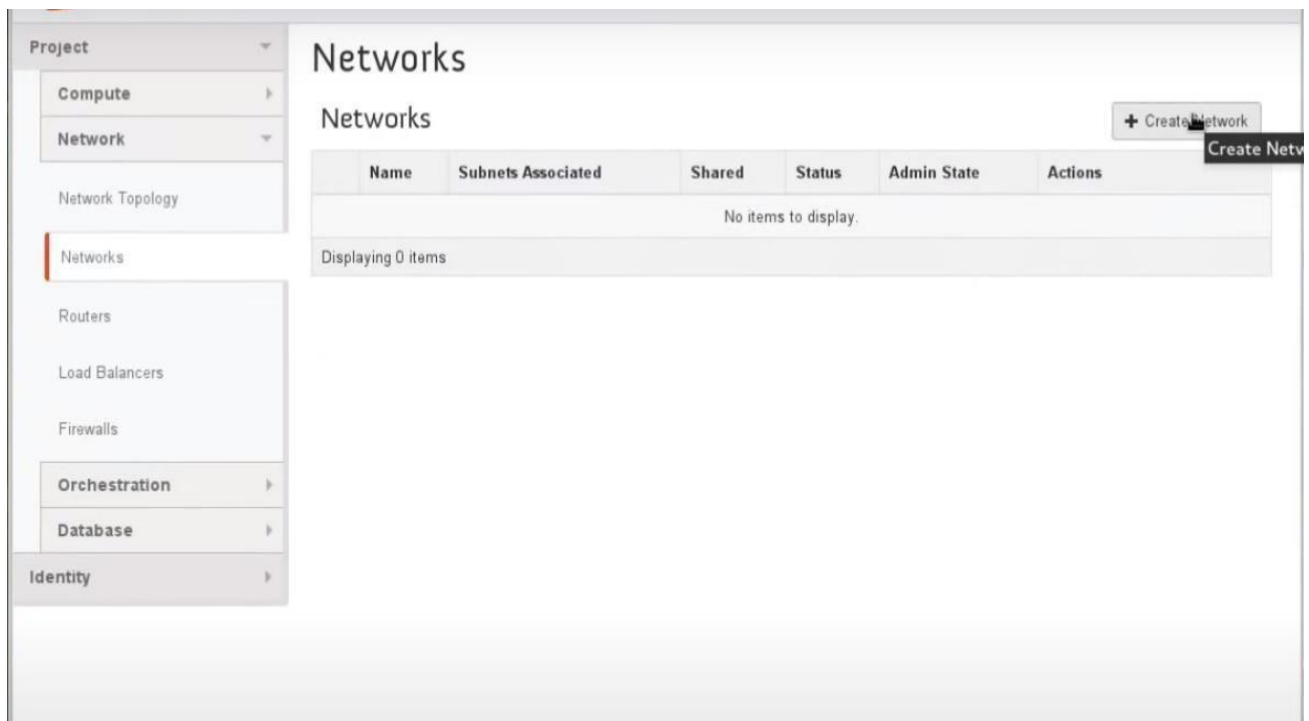
- Go to the Trystack website (<https://trystack.org/>).
- Log in to your account or create one if you don't have an account.



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



- 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 *

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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Compute
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Network Topology
Networks
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Identity

Networks

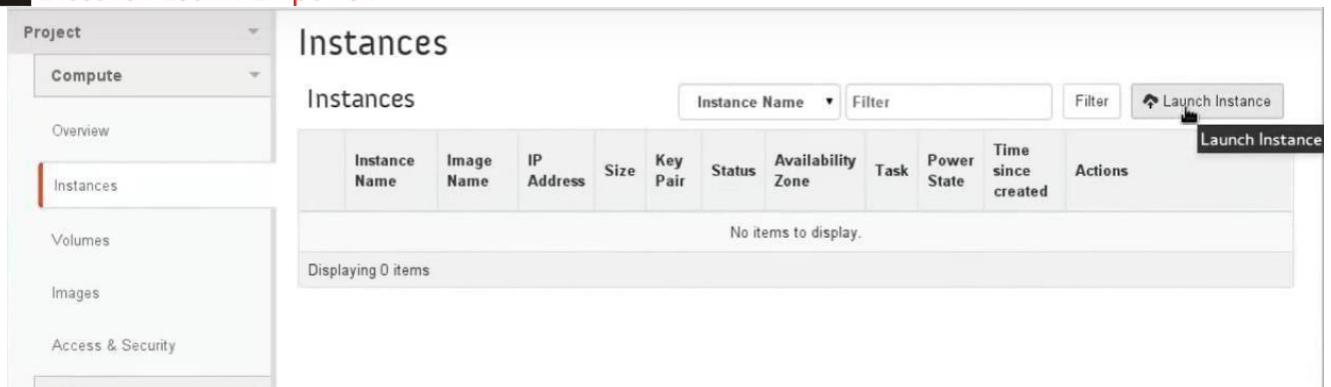
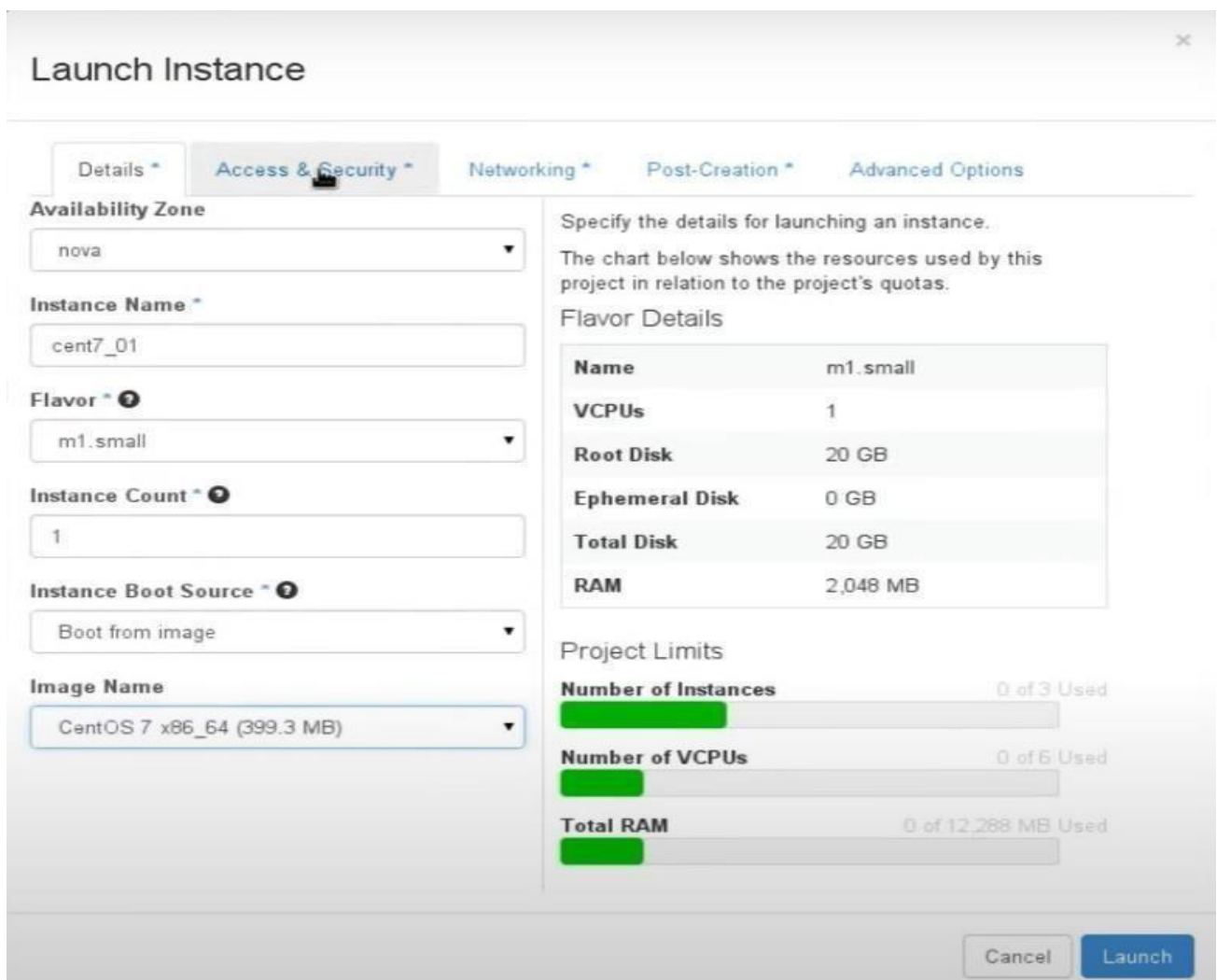
Networks

+ Create Network - Delete Networks

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

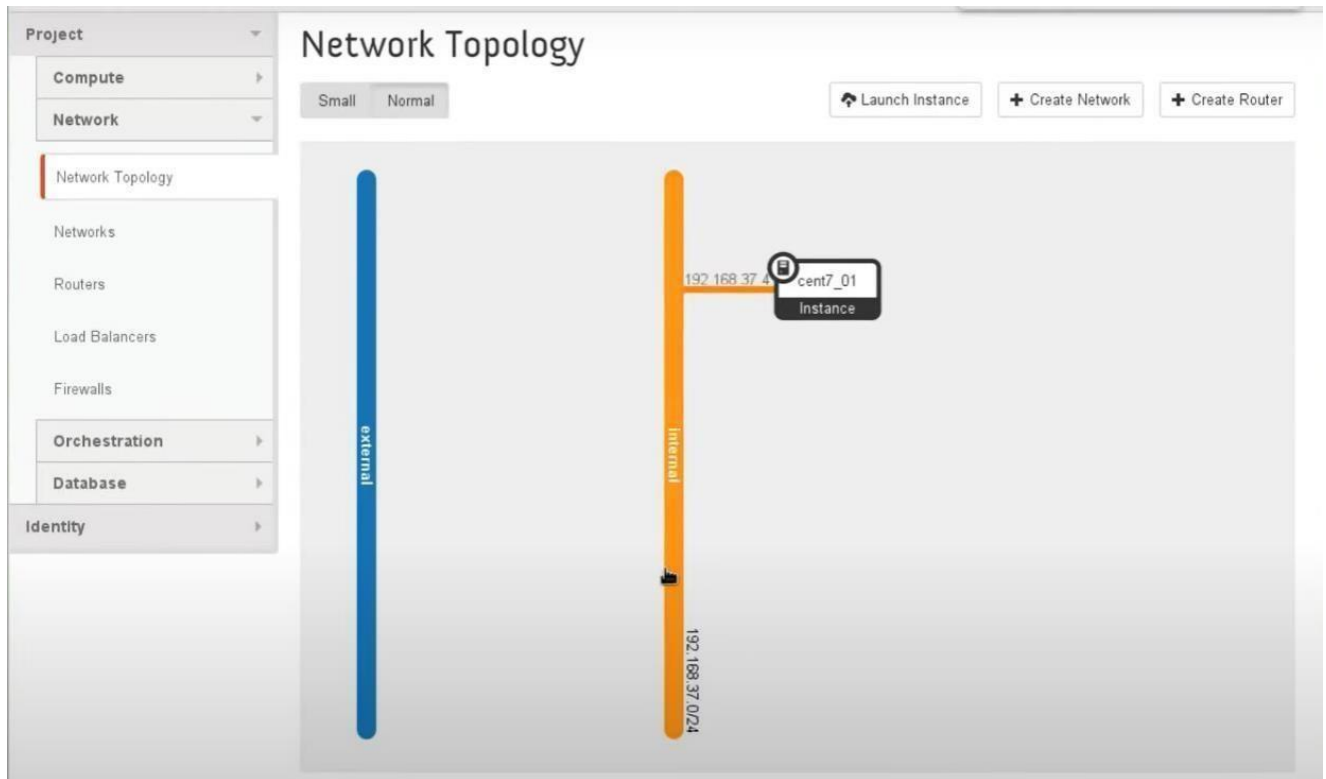
Displaying 1 item

- 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
e7188f52-5b00-4e0b-978a-1c9fec81be56

Status
ACTIVE

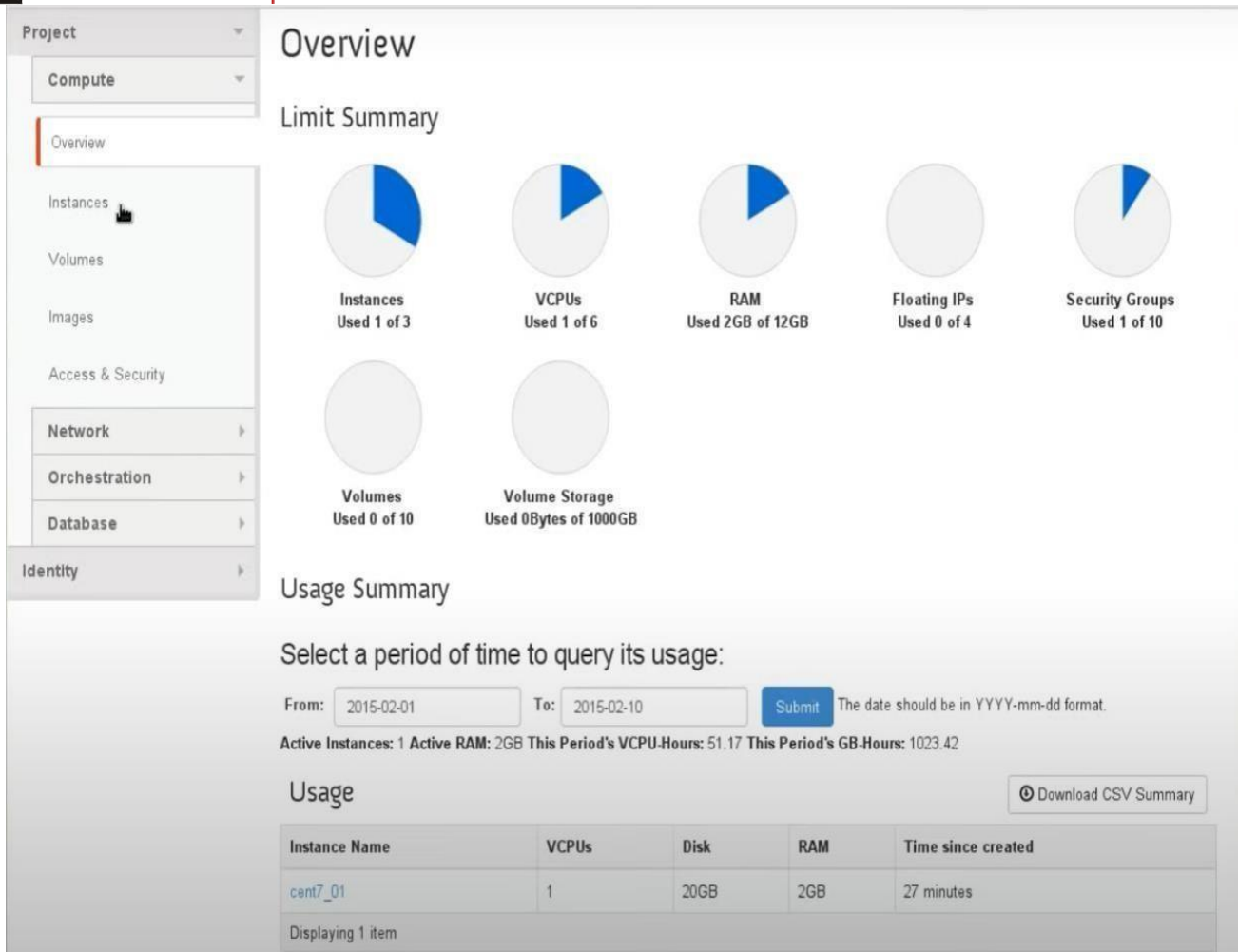
Admin State
UP

External Gateway Information
Connected External Network: external

Interfaces

+ Add Interface

Name	Fixed IPs	Status	Type	Admin State	Actions
No items to display.					
Displaying 0 items					



Learning Outcomes:

- Gain foundational knowledge of cloud computing through TryStack, launching a virtual machine.
- Develop practical skills in OpenStack by navigating TryStack's interface for VM initiation.
- Enhance problem-solving abilities by troubleshooting common cloud provisioning issues on TryStack.
- Deepen understanding of virtualization concepts via hands-on experience with TryStack's VM deployment.