

ManageIQ – Telefonica

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Overview

ManageIQ is an open source cloud management platform. It was founded by Red Hat as a community project in 2014, and forms the basis for its CloudForms product. It allows centralized management of various virtualization, private cloud, public cloud, containers, and software defined technologies.

Features

ManageIQ offers the following capabilities

- Self-service, allowing IT staff to present a catalog to users from which they can select automated services, such as provisioning a new virtual machine.
- Compliance enforcement, allowing an IT department to enforce certain compliance policies.
- Optimization, allowing IT staff to optimize the resource utilization of an environment, for example using right sizing and capacity planning.

Supported platforms

ManageIQ can manage the following platforms:

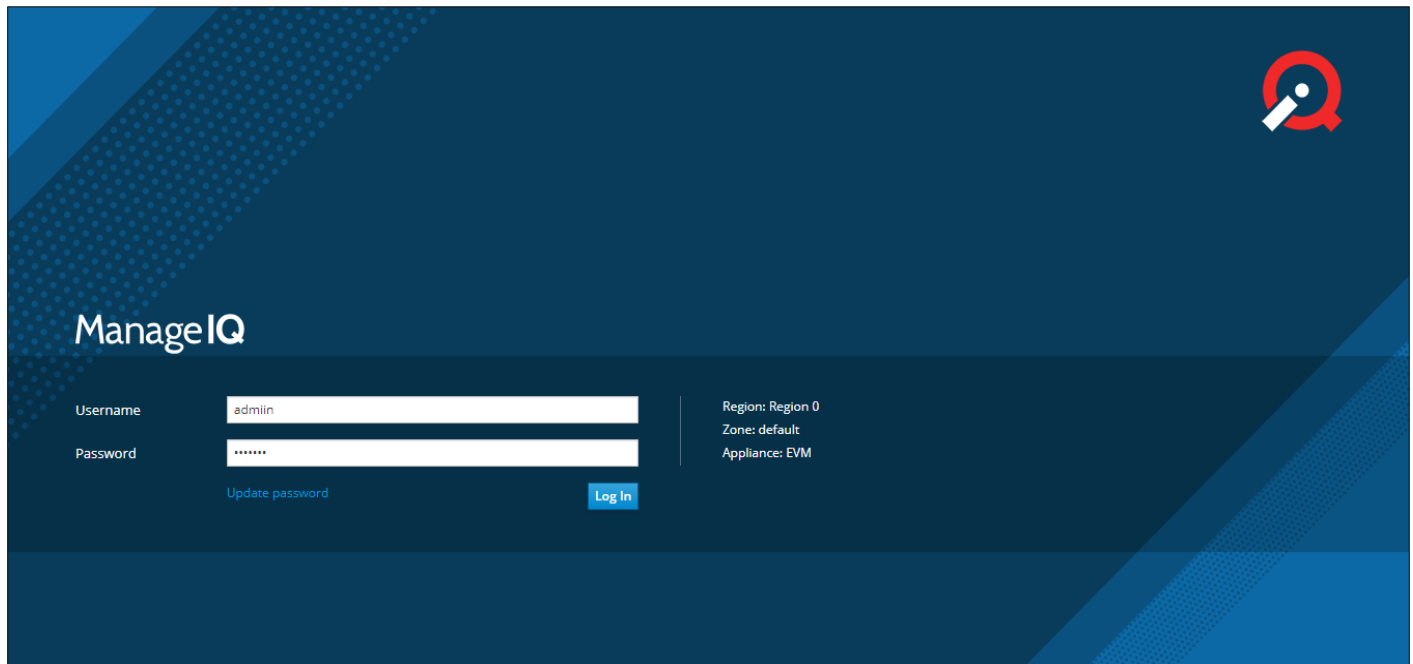
Platform type	Supported platforms
Virtualization	VMware vSphere, oVirt, System Center Virtual Machine Manager
Private Cloud	OpenStack
Public Cloud	Amazon Web Services, Microsoft Azure, Google Cloud Platform
Software defined networking	OpenStack Neutron
Containers	Kubernetes, OpenShift Origin
Automation/configuration	Ansible Tower, Foreman

Installation Steps

ManageIQ application runs on Linux environment. To install ManageIQ application please follow the link http://manageiq.org/docs/guides/developer_setup.html

Login

After completing the installation of ManageIQ application on Linux System, once ManageIQ application is up and running, enter default username, password as **admin** and **smartvm** and click on **Log In** button.



The screenshot shows the ManageIQ login interface. The background is dark blue with a pattern of small white dots. In the top right corner, there is a red circular logo with a white 'Q' and a white dot. The 'ManageIQ' logo is displayed in white text on the left side. Below the logo, there are two input fields: 'Username' with the value 'admin' and 'Password' with a masked value '*****'. To the right of the password field, there is a link 'Update password'. Below the password field, there is a blue 'Log In' button. On the right side of the page, the following system information is displayed: 'Region: Region 0', 'Zone: default', and 'Appliance: EVM'.



Dashboard

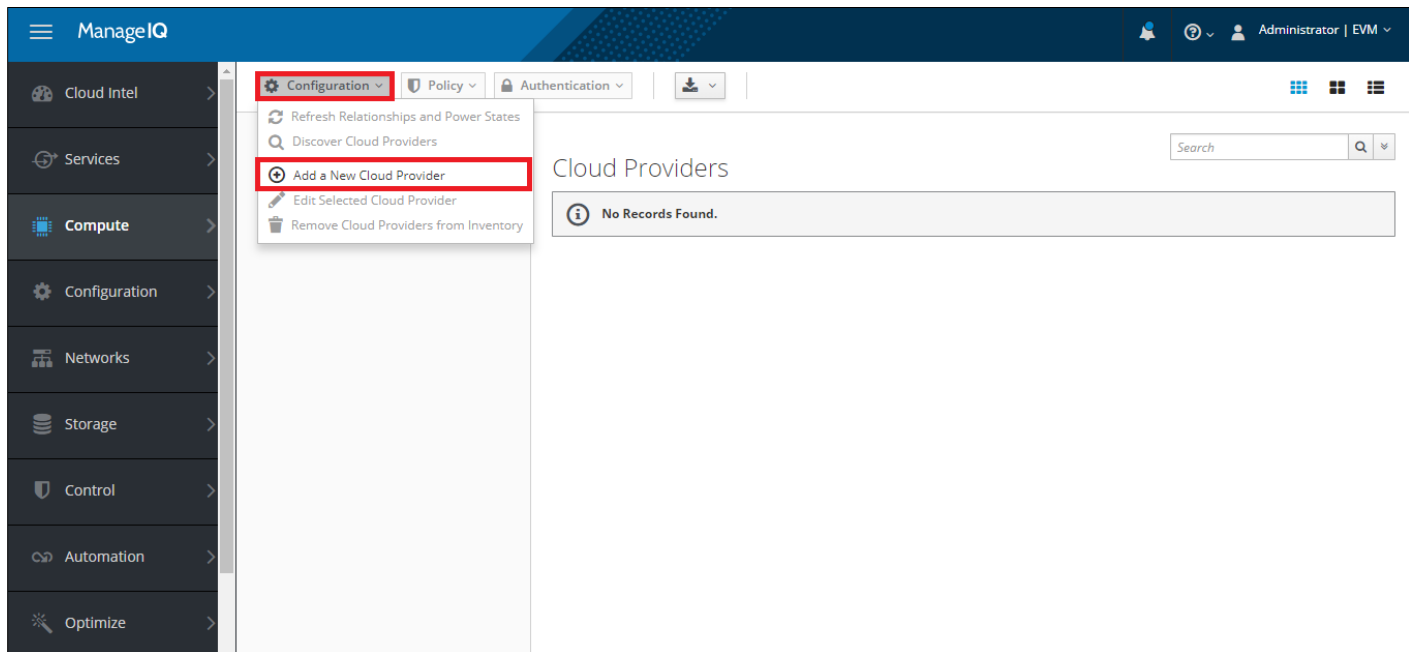
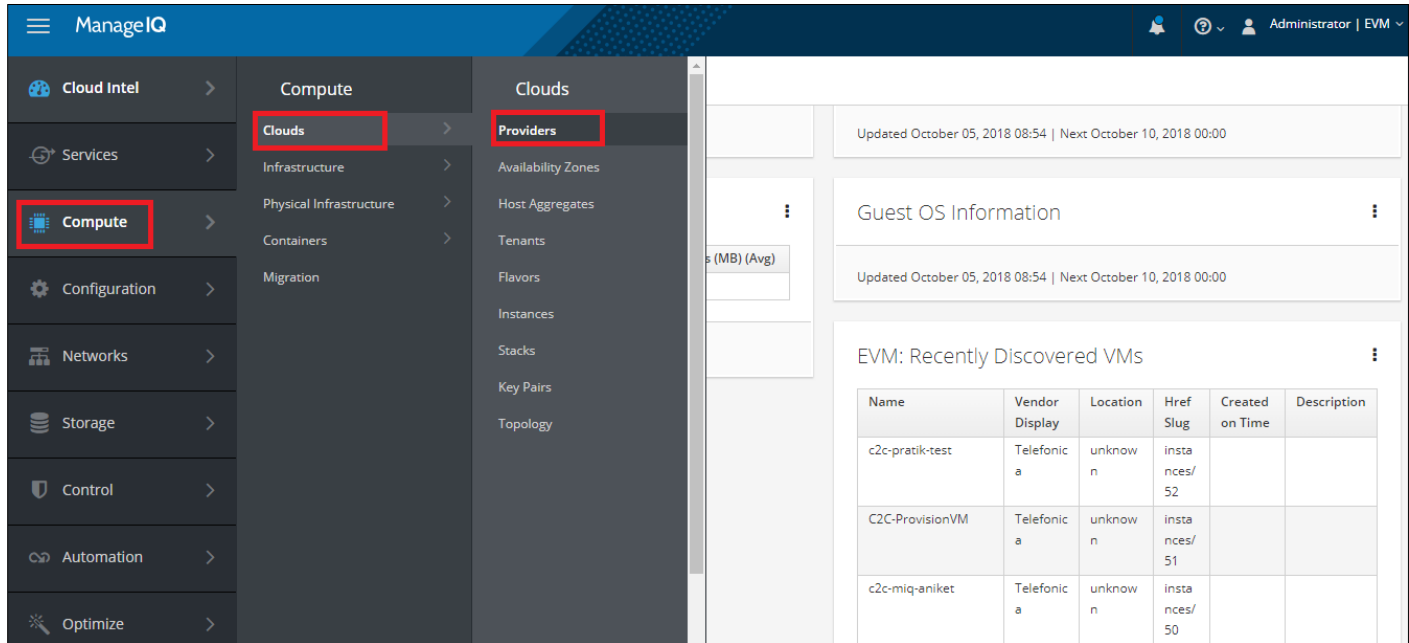
After logging-in into the application you will see the Dashboard page displaying information related to Top CPU Consumer, Top Memory Consumers, Top Storage Consumers etc.

The screenshot shows the ManageIQ dashboard interface. On the left is a navigation sidebar with categories like Cloud Intel, Services, Compute, Configuration, Networks, Storage, Control, Automation, and Optimize. The main content area is titled 'Default Dashboard' and contains several widgets:

- Vendor and Guest OS Chart:** A chart widget with a refresh icon and update info: 'Updated October 05, 2018 08:54 | Next October 10, 2018 00:00'.
- Top CPU Consumers (weekly):** A table widget with columns: Asset Name, Cluster Name, CPU - Usage Rate (%) (Avg). It shows 'No records found'. Update info: 'Updated October 05, 2018 08:54 | Next October 10, 2018 00:00'.
- EVM: Recently Discovered Hosts:** A table widget with columns: Name, Date Created, Hostname, Vmm Vendor Display, Href Slug. It shows 'No records found'. Update info: 'Updated October 09, 2018 05:00 | Next October 09, 2018 06:00'.
- Virtual Infrastructure Platforms:** A widget with update info: 'Updated October 05, 2018 08:54 | Next October 10, 2018 00:00'.
- Top Memory Consumers (weekly):** A table widget with columns: Asset Name, Cluster Name, Memory - Used for Collected Intervals (MB) (Avg). It shows 'No records found'.
- Guest OS Information:** A widget with update info: 'Updated October 05, 2018 08:54 | Next October 10, 2018 00:00'.

Add a Cloud Provider

To continue with ManageIQ with any cloud, you need to add the cloud specific provider under Provider section. For adding provider of Telefonica cloud go to **Compute -> Clouds -> Providers** and under the **Configuration** drop down, click on **Add a new Cloud Provider** option.



Here specify all the mandatory details required to add provider and click on **Validate** button to validate the credentials, once done with the successful validation, finally click on **Add** button to add the provider.

Note: Please select the region as sa-brazil-1 as API response may vary.

Please provide the following details while adding Telefonica provider into ManageIQ.

Name: *****

Type: Telefonica

API Version: Keystone v3

Region: Sa-brazil-1

Keystone V3 Domain ID: *****

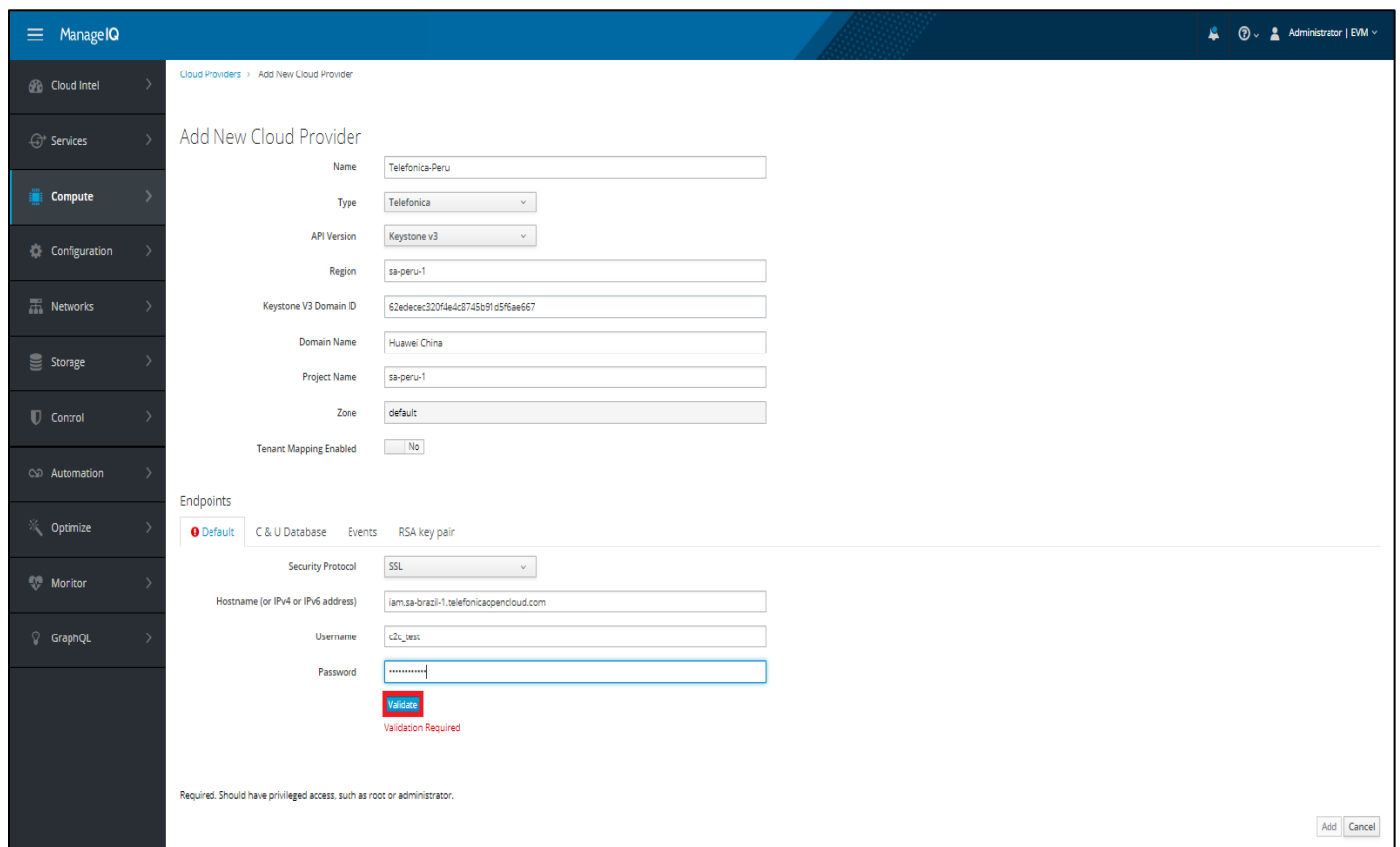
Domain Name: Huawei China

Project Name: sa-brazil-1

Hostname (or IP v4 or v6 address): iam.sa-brazil-1.telefonicaopencloud.com

Username: *****

Password: *****



The screenshot shows the 'Add New Cloud Provider' interface in ManageIQ. The form is filled with the following values:

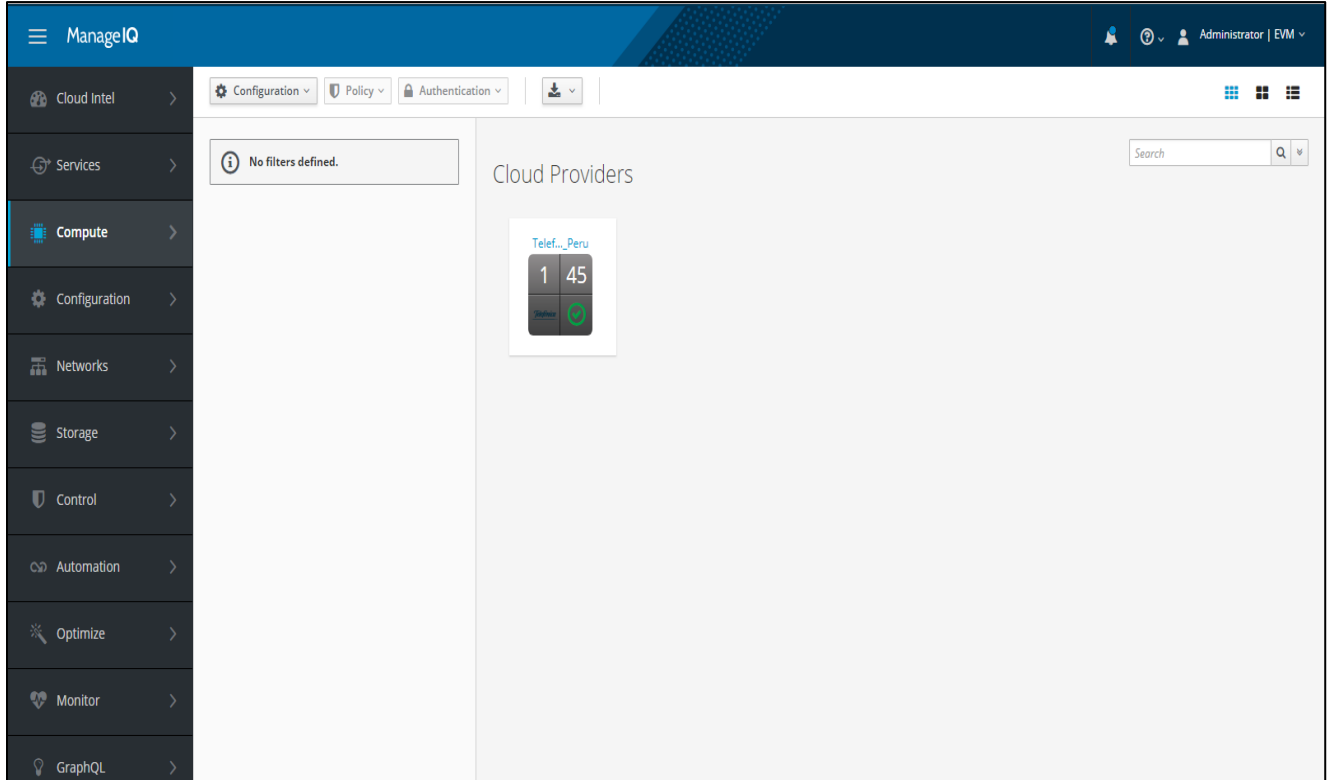
- Name: Telefonica-Peru
- Type: Telefonica
- API Version: Keystone v3
- Region: sa-peru-1
- Keystone V3 Domain ID: 62edecec320f4e4c8745b91d5f6ae667
- Domain Name: Huawei China
- Project Name: sa-peru-1
- Zone: default
- Tenant Mapping Enabled: No

In the 'Endpoints' section, the 'Default' tab is selected. The fields are:

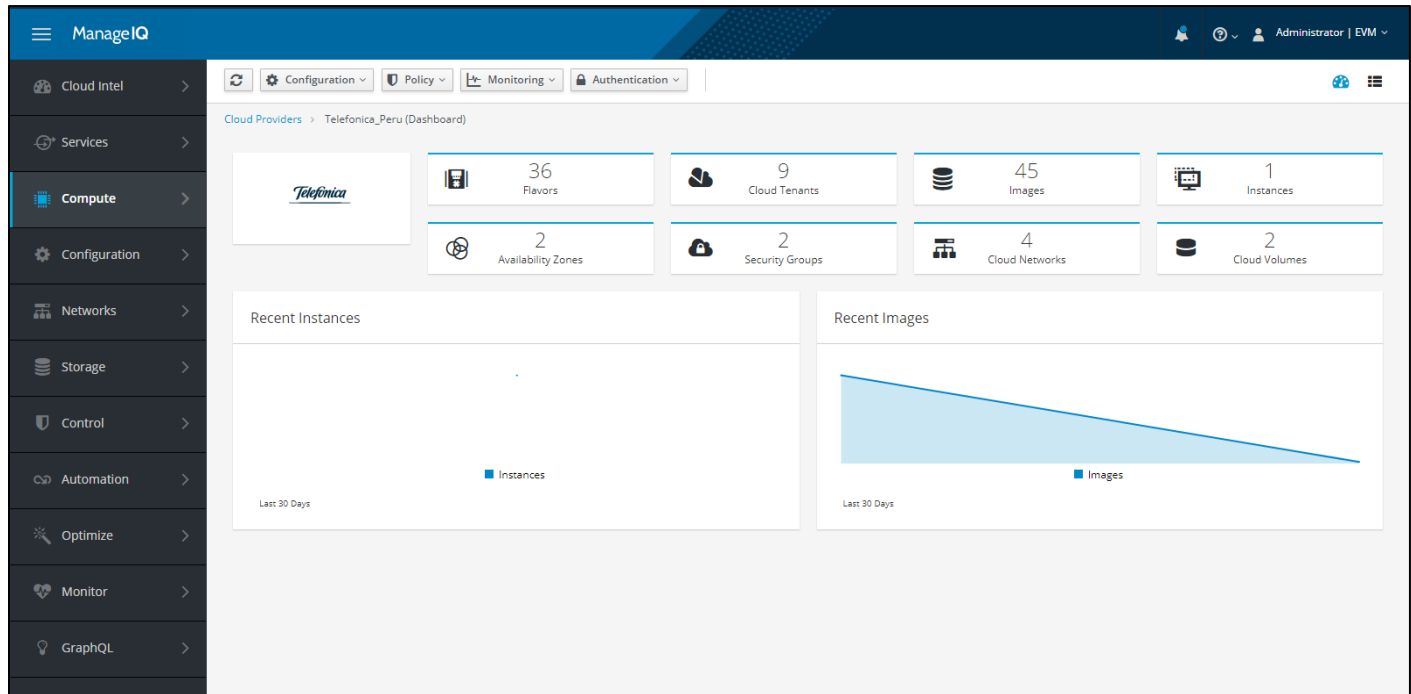
- Security Protocol: SSL
- Hostname (or IPv4 or IPv6 address): iam.sa-brazil-1.telefonicaopencloud.com
- Username: c2c_test
- Password: [masked]

A red 'Validate' button is visible, with a red error message 'Validation Required' below it. At the bottom right, there are 'Add' and 'Cancel' buttons. A note at the bottom left states: 'Required. Should have privileged access, such as root or administrator.'

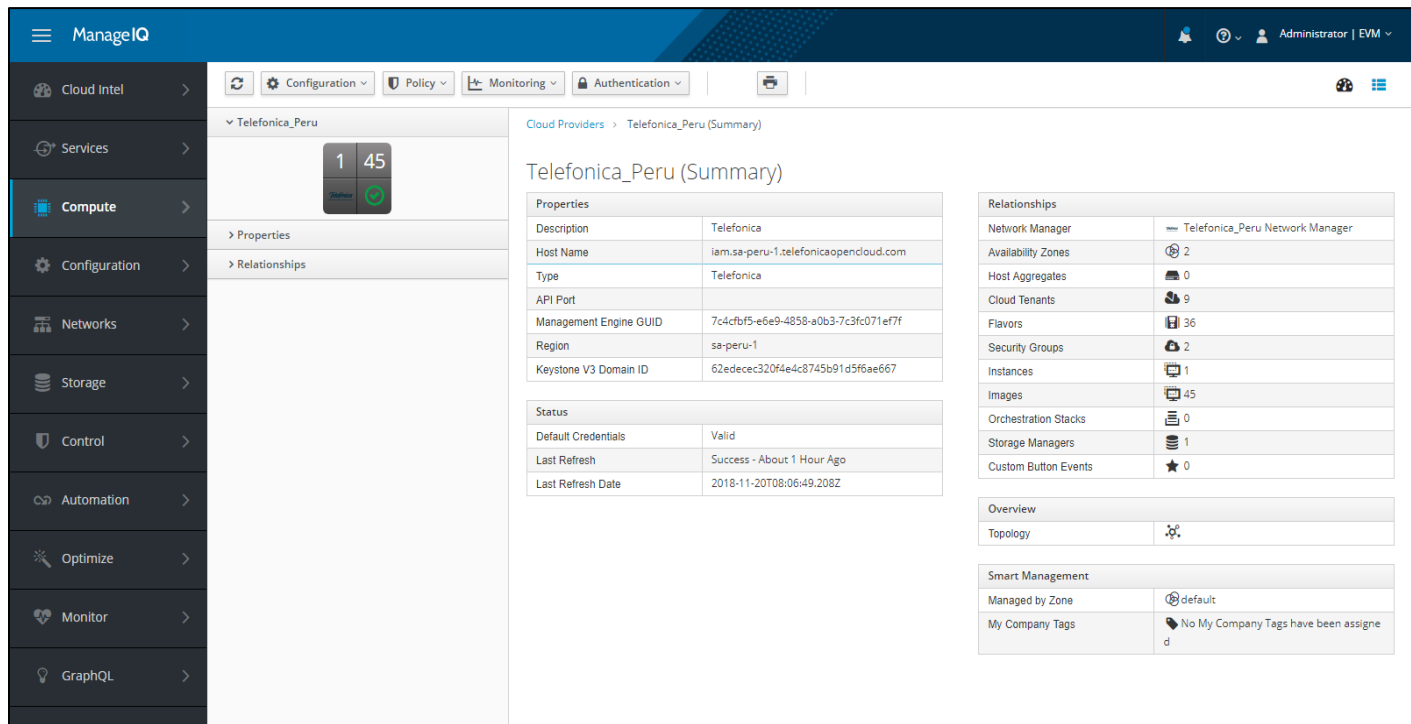
After adding the provider successfully, you can see the added provider displaying the count for number of available Instances and Images present under the region which was mentioned during provider creation. It takes some time to reflect the count of entities on the Dashboard page.



Moving inside the created provider you can see number of Flavors, Cloud Tenants, Images, Instances, Availability Zones, Security Groups, Cloud Networks and Cloud Volumes which you can drill down further.



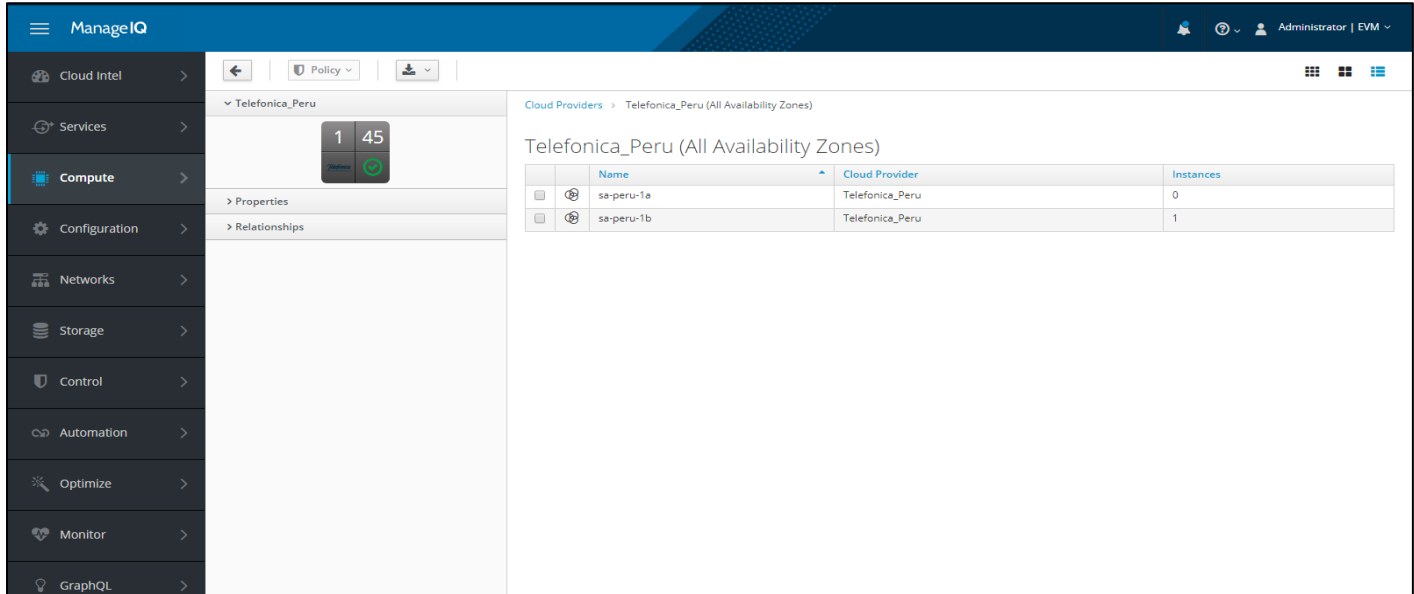
Clicking on the specific options you can switch to the respective Interface.



Compute

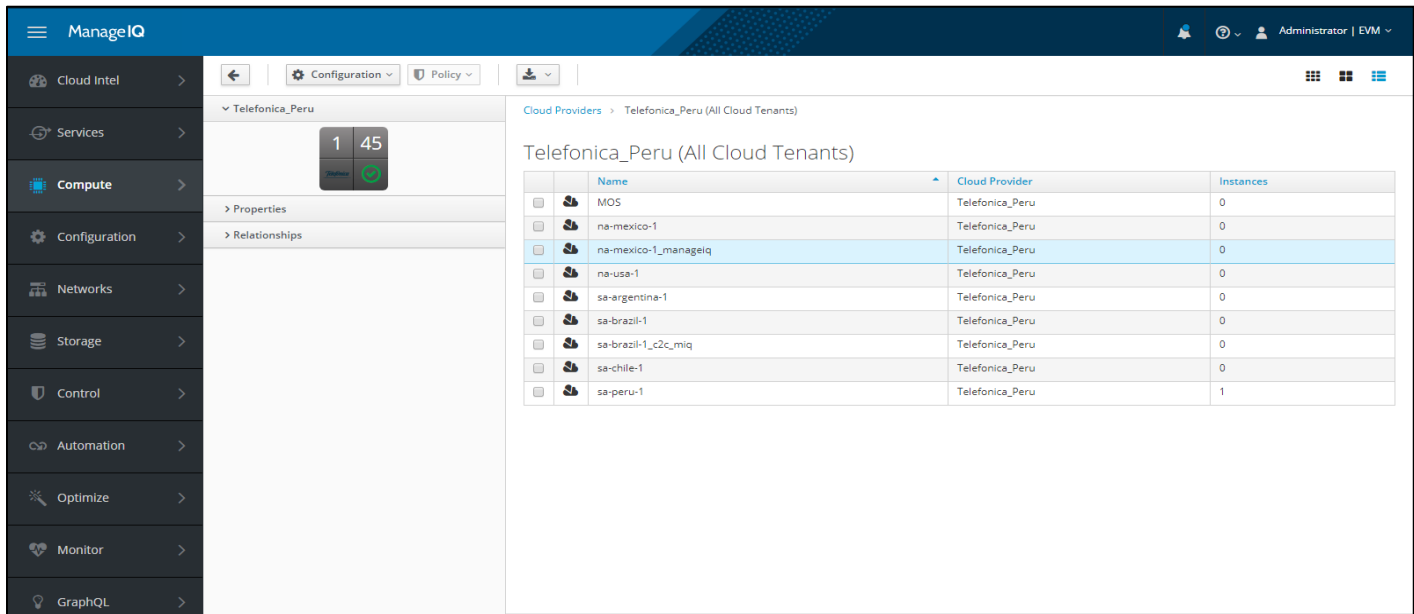
Availability Zones

To see the list of available zones, click on **Compute ->Clouds ->Availability Zones** option.



Tenants

Go to **Compute ->Clouds ->Tenants**, here you can see the list of available tenants.





Flavors

To see the list of available flavors, Go to **Compute -> Clouds -> Flavors**.

The screenshot shows the ManageIQ interface with the 'Compute' menu selected. The main content area displays 'Telefonica_Peru (All Flavors)' with a table listing various flavors. The table columns include Name, Cloud Provider, CPUs, CPU Cores, Memory, Enabled, Publicly Available, 32 Bit Architecture, 64 Bit Architecture, HVM (Hardware Virtual Machine), Paravirtualization, and Block Storage.

	Name	Cloud Provider	CPUs	CPU Cores	Memory	Enabled	Publicly Available	32 Bit Architecture	64 Bit Architecture	HVM (Hardware Virtual Machine)	Paravirtualization	Block Storage
<input type="checkbox"/>	c1.2xlarge	Telefonica_Peru	8		8 GB	True	True					
<input type="checkbox"/>	c1.4xlarge	Telefonica_Peru	16		16 GB	True	True					
<input type="checkbox"/>	c1.8xlarge	Telefonica_Peru	32		32 GB	True	True					
<input type="checkbox"/>	c1.large	Telefonica_Peru	2		2 GB	True	True					
<input type="checkbox"/>	c1.medium	Telefonica_Peru	1		1 GB	True	True					
<input type="checkbox"/>	c1.xlarge	Telefonica_Peru	4		4 GB	True	True					
<input type="checkbox"/>	c2.2xlarge	Telefonica_Peru	8		16 GB	True	True					
<input type="checkbox"/>	c2.4xlarge	Telefonica_Peru	16		32 GB	True	True					
<input type="checkbox"/>	c2.8xlarge	Telefonica_Peru	32		64 GB	True	True					
<input type="checkbox"/>	c2.large	Telefonica_Peru	2		4 GB	True	True					

Moving inside the Flavor displays information related to CPUs, Memory, Status of Enabled, Public, Cloud subnet required.

The screenshot shows the ManageIQ interface with the 'Compute' menu selected. The main content area displays 'c2.2xlarge (Summary)' with a 'Properties' table and a 'Relationships' table. The 'Smart Management' section shows 'My Company Tags' with a note: 'No My Company Tags have been assigned'.

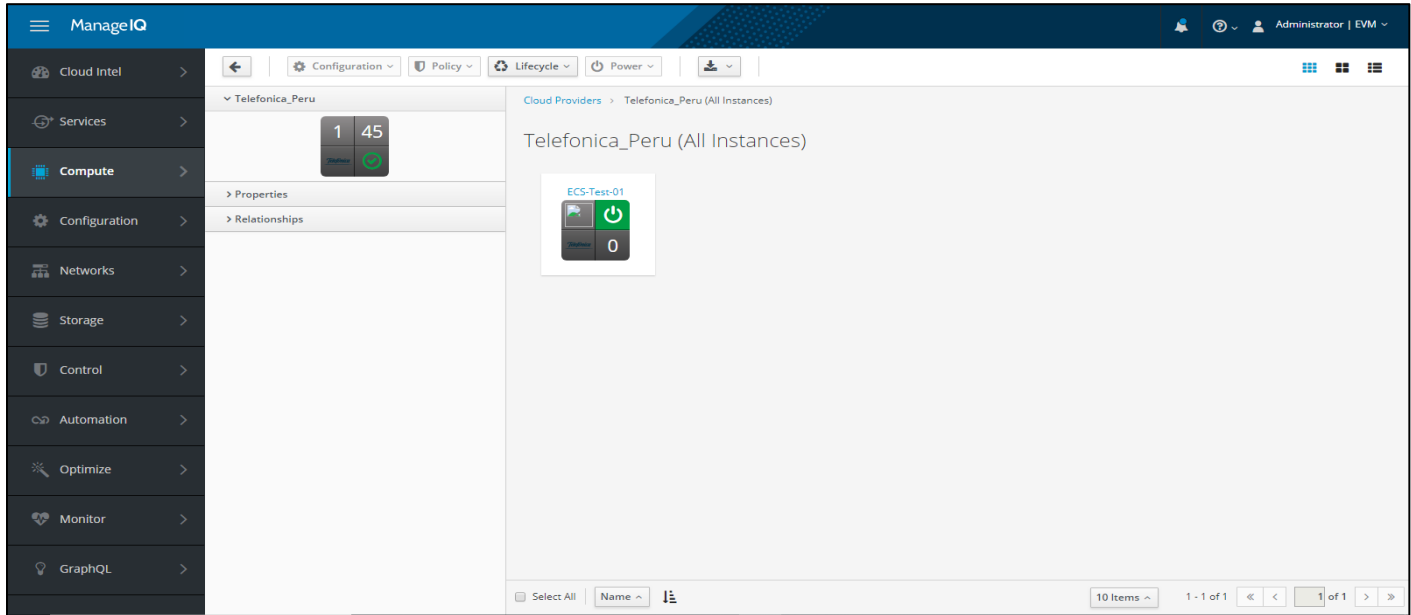
Properties	
CPUs	8
CPU Cores	
Memory	16 GB
Enabled	true
Public	true
Cloud subnet required	false

Relationships	
Cloud Provider	Telefonica_Peru
Instances	0

Smart Management
My Company Tags: No My Company Tags have been assigned

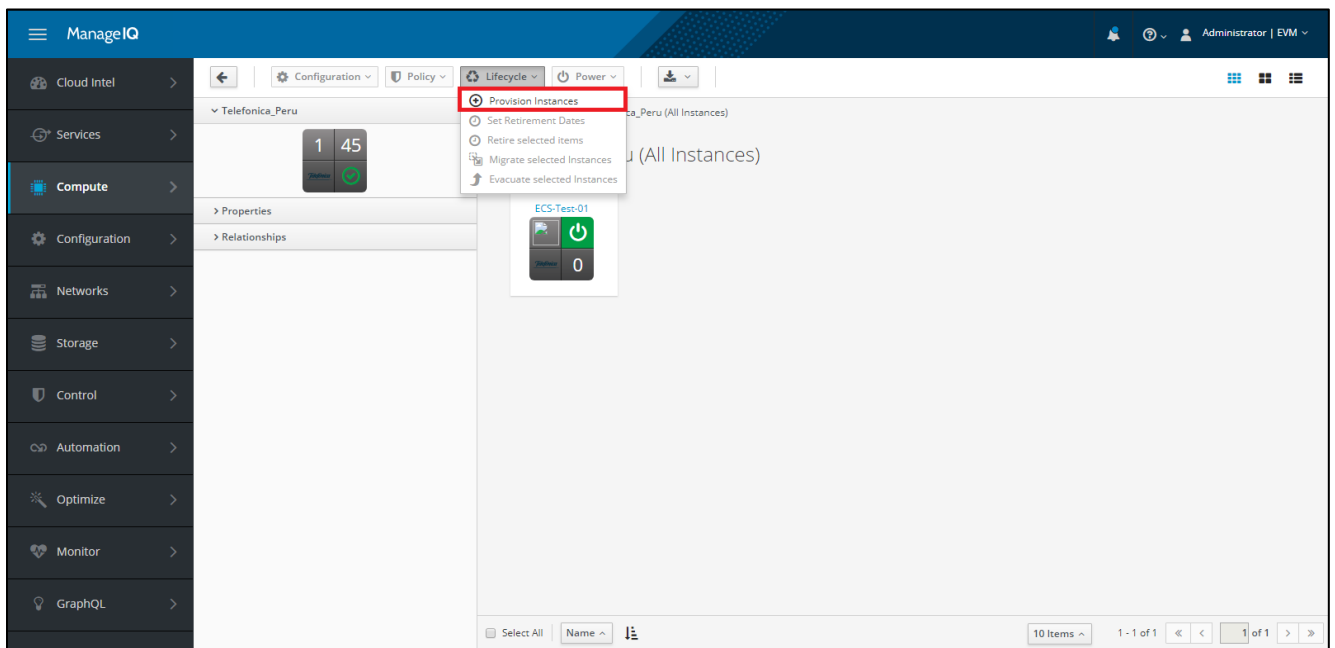
Instances

To perform operations related to instance like Provision VM, Delete VM, Get VM information, Start a VM, Stop a VM, Restart a VM, Attach a disk onto a VM, Detach a disk from a VM, Get disks list of a VM, List the Image, List the security groups, Create/Delete a snapshot, List the flavors, Go to **Compute -> Clouds -> Instances** you will see the list of available instances.



Provision VM

To Provision a VM click on **Lifecycle** option and select **Provision Instance** option.



Choose the type of operating system for which you want to create a VM and click on **Continue** button.

Provision Instances - Select an Image

Provision Instances based on the selected Image

Hide deprecated

Name ^	Type	Operating System	Platform	CPUs	Memory	Disk Size	Deprecated	Provider
cce-node	Image	unknown	unknown	0	0 Bytes	2 Bytes	false	Telefonica_Peru
CentOS 6.8 64bit	Image	unknown	linux	0	0 Bytes	0 Bytes	false	Telefonica_Peru
CentOS 7.0 64bit	Image	unknown	linux	0	0 Bytes	0 Bytes	false	Telefonica_Peru
CentOS 7.1 64bit	Image	unknown	linux	0	0 Bytes	0 Bytes	false	Telefonica_Peru
Centos 7.3 64bit	Image	unknown	linux	0	0 Bytes	0 Bytes	false	Telefonica_Peru
CentOS 7.4 64bit	Image	unknown	linux	0	0 Bytes	0 Bytes	false	Telefonica_Peru
DCS-Redis-pe	Image	unknown	unknown	0	0 Bytes	2 Bytes	false	Telefonica_Peru
dcs_node_image_2041	Image	unknown	unknown	0	0 Bytes	2 Bytes	false	Telefonica_Peru
dcs_node_image_2041_new	Image	unknown	unknown	0	0 Bytes	18 Bytes	false	Telefonica_Peru
Debian 8.6 64bit	Image	unknown	linux	0	0 Bytes	0 Bytes	false	Telefonica_Peru
Fedora 23 64bit	Image	unknown	linux	0	0 Bytes	0 Bytes	false	Telefonica_Peru

Continue Cancel

Provision Instances

Request Purpose Catalog Environment Properties Volumes Customize Schedule

Request Information

E-Mail *

First Name

Last Name

Notes

Manager

Name

Submit Cancel

Enter all the mandatory details and switch to **Catalog** Tab, Enter the **Instance Name** for the instance.

The screenshot shows the 'Provision Instances' page in the 'Catalog' tab. The left sidebar contains navigation options like Cloud Intel, Services, Compute, Configuration, Networks, Storage, Control, Automation, Optimize, Monitor, and GraphQL. The main content area has tabs for Request, Purpose, Catalog, Environment, Properties, Volumes, Customize, and Schedule. A table under 'Select' shows instance details:

Name *	Operating System	Platform	CPUs	Memory	Disk Size	Provider	Snapshots	Deprecated	Tenant
Cent OS 7.1 64bit	unknown	linux	0	0 Bytes	0 Bytes	false	Telefonica_Peru	0	

Below the table, the 'Number of Instances' is set to 1. The 'Naming' section has 'Instance Name *' set to 'Test-Instance' (highlighted with a red box) and an empty 'Instance Description' field. 'Submit' and 'Cancel' buttons are at the bottom right.

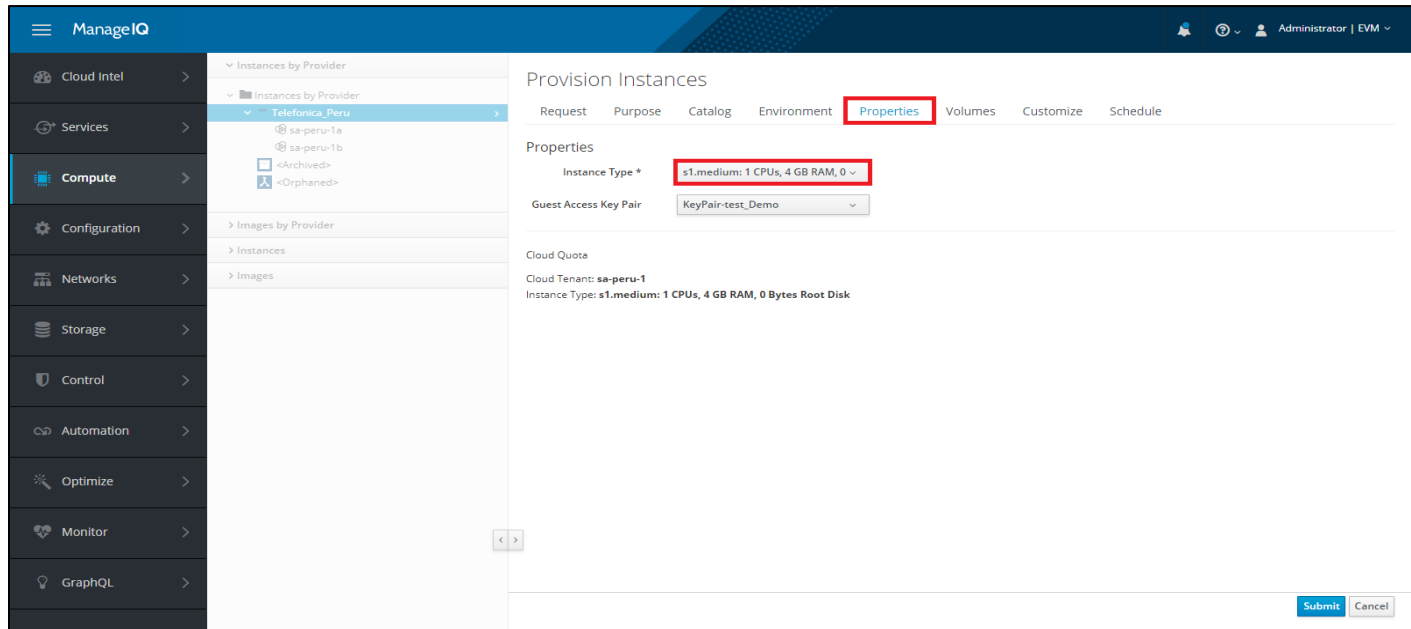
Now switch to **Environment** Tab, enter all the required details.

The screenshot shows the 'Provision Instances' page in the 'Environment' tab. The 'Placement' section has 'Choose Automatically' disabled. The 'Placement - Options' section contains several dropdown menus, all highlighted with red boxes:

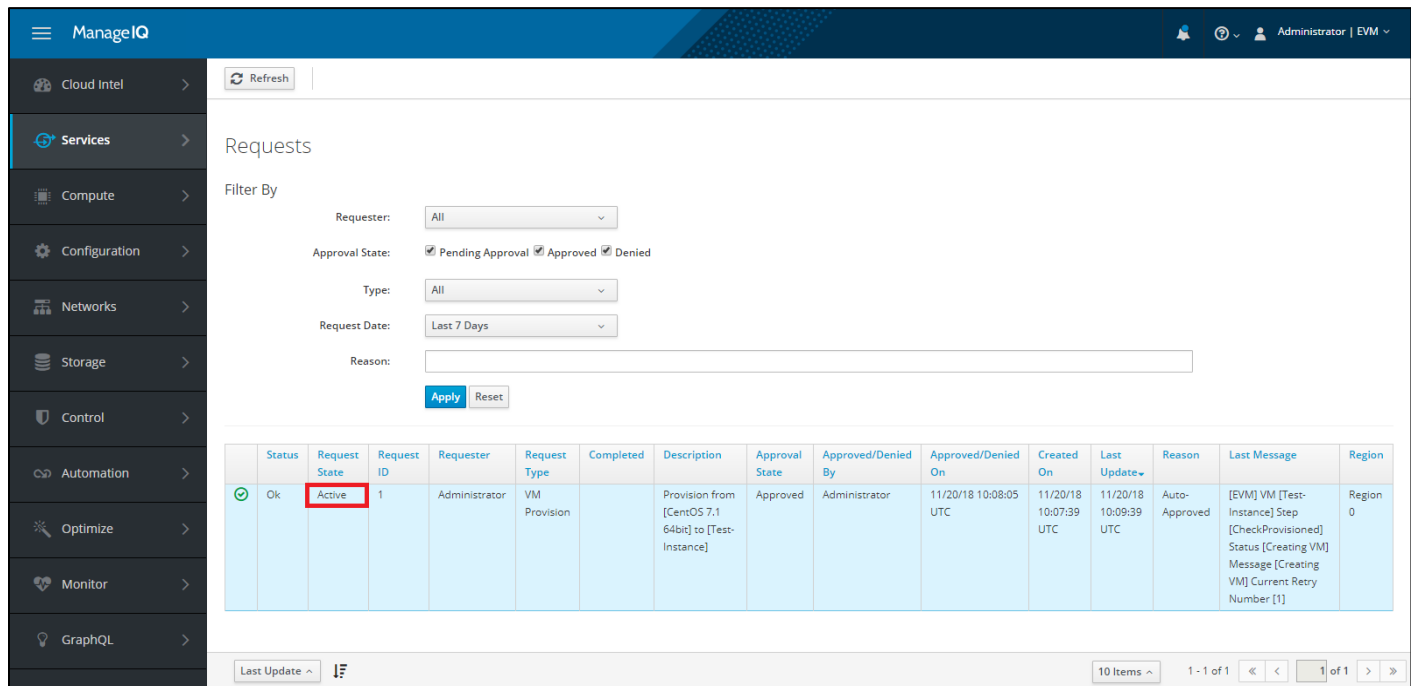
- Cloud Tenant *: sa-peru-1
- Availability Zones: sa-peru-1b
- Cloud Network *: Network_Test-demo
- Security Groups: New-Security_Group-Test: Updat
- Public IP Address: <No Choices Available>

'Submit' and 'Cancel' buttons are at the bottom right.

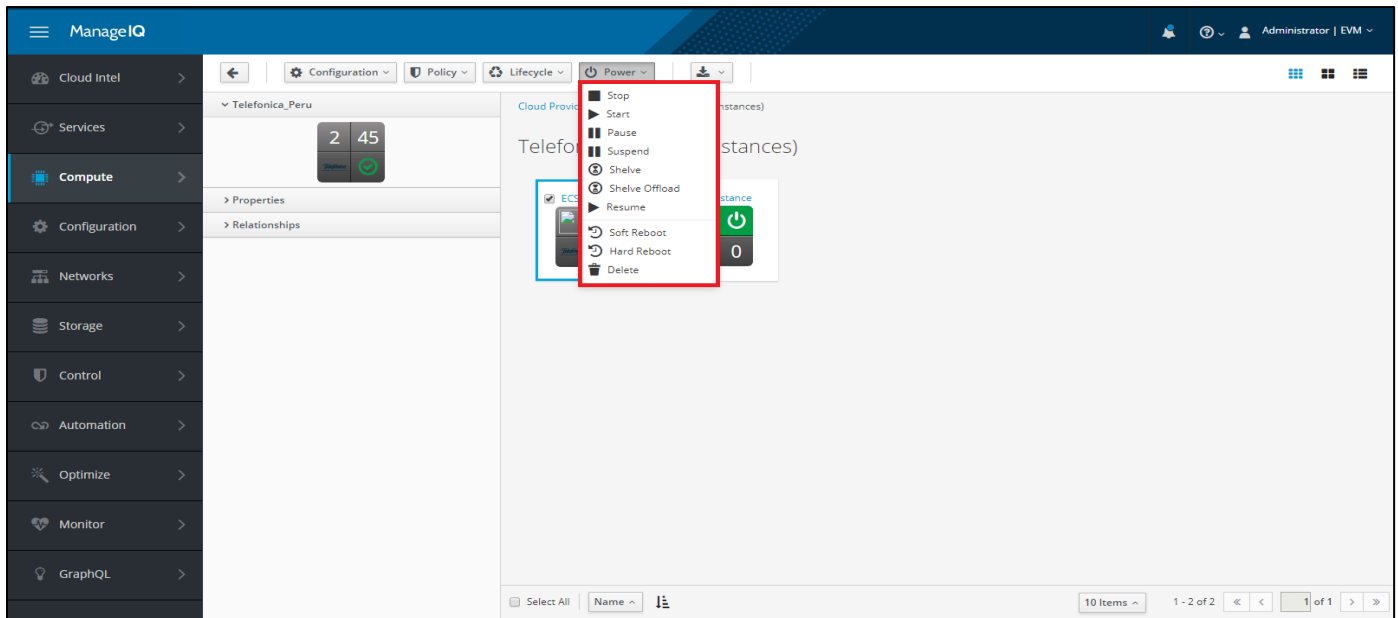
Go to **Properties** option, select **Instance Type** and **Access Key** and click on **Submit** button. You can specify details for other tabs also like Volumes, Customize, Schedule which are not mandatory field.



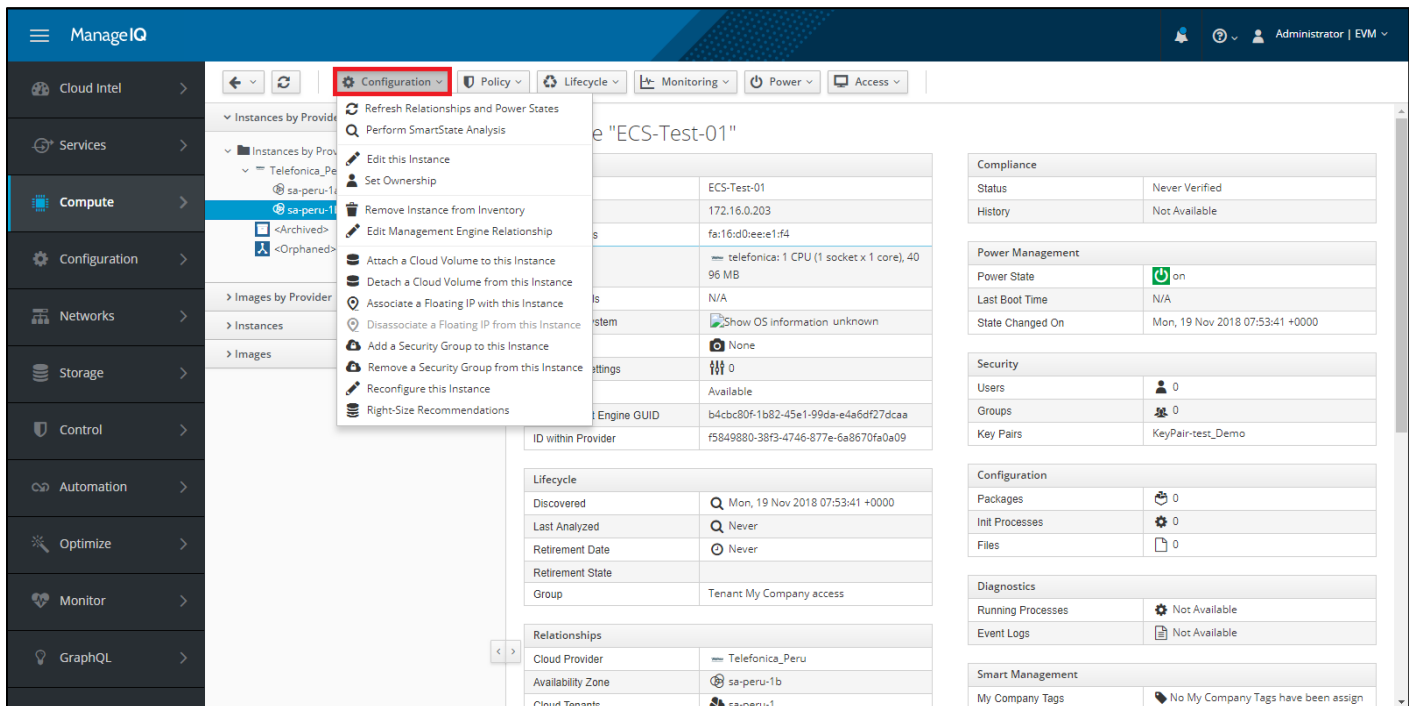
Once the value of **Request State** column comes in **Active** state means Instance has been created successfully. If any error occurs, you can check the error in **Last Message** column.



Select the created instance, click on **Power** option from top navigation. here you can Power On, Power Off and Restart the instance.



Explore the created instance by clicking on it. Select the **Configuration** option and choose the required operation to perform on the selected instance.

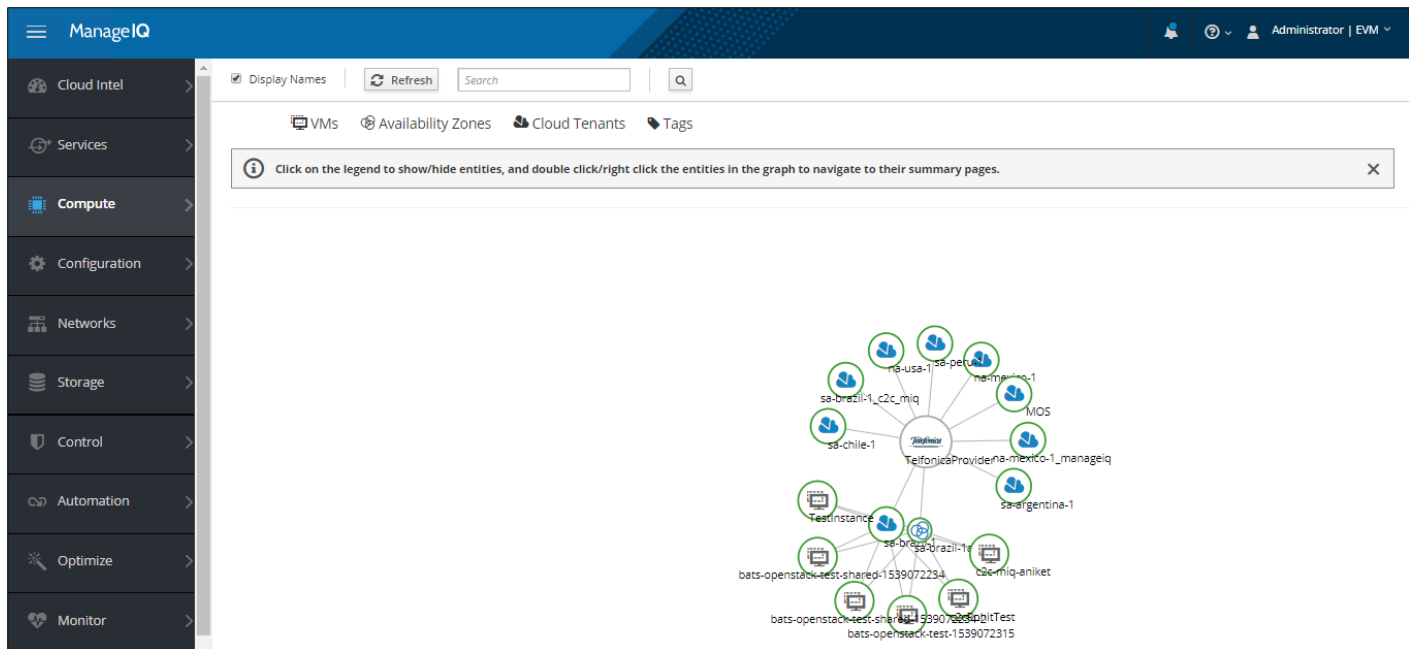


Here you can perform the operations like:

- Refresh Relationships and Power States
- Edit this Instance
- Remove Instance from Inventory
- Attach a Cloud volume to this Instance
- Detach a Cloud volume from this Instance
- Add a Security Group to this Instance
- Remove a Security Group from this Instance
- Reconfigure this Instance

Topology

In topology section you can see the graphical view of all the VMs, Availability Zones, Tenants etc.



Networks

Networks

Go to **Networks** -> **Networks** tab. You can Create, Edit, Delete and see the list of available networks.

The screenshot shows the ManageIQ interface with the 'Networks' tab selected in the sidebar. The main content area displays a table of Cloud Networks.

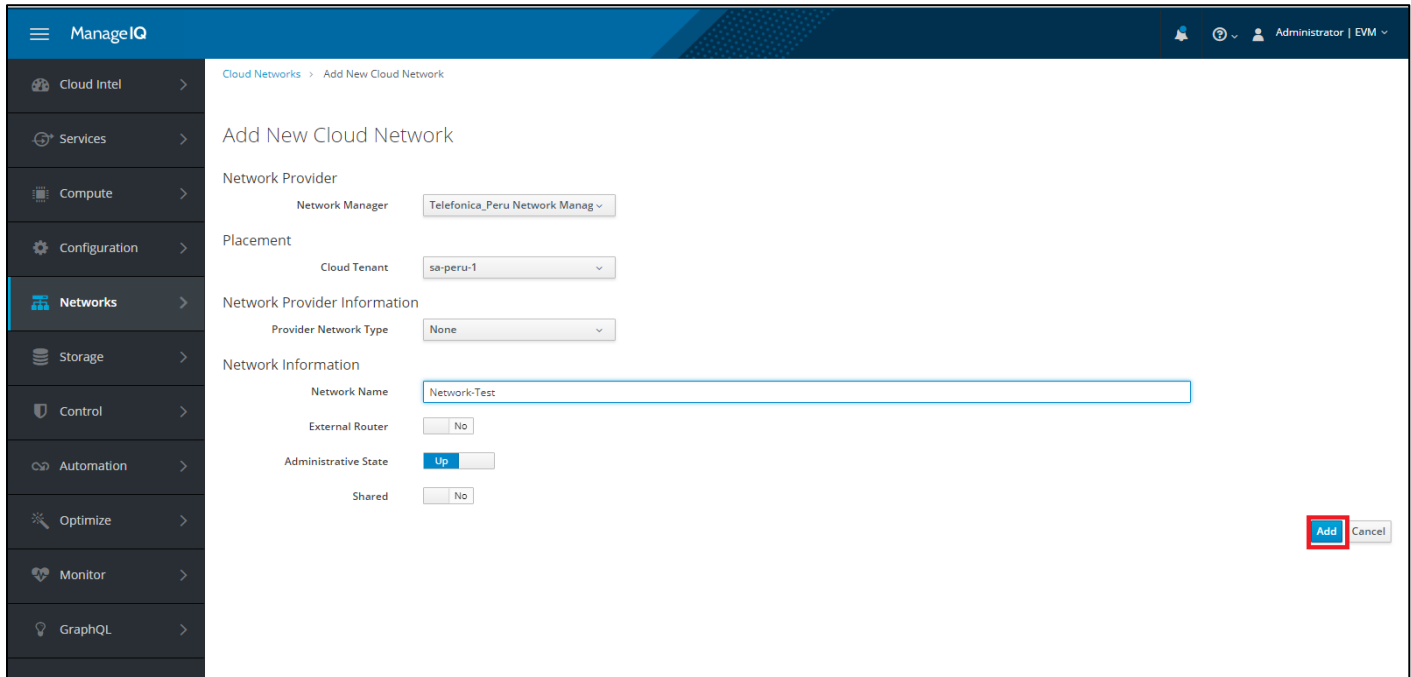
	Name	Status	Instances	Network Provider
<input type="checkbox"/>	694548dc-9a12-4ec9-bed9-86e8f9784145	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	6efa1643-7a09-4c18-ae6a-f0699b889248	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	admin_external_net	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	C2c_miq_CN_031018	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	C2C-QA-NetworkTest	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	manageiq_Network_Aniket	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	manageiq_network_dev_ani	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	manageiq_Network_Test_n	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	miq_devs	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	openlab-jobs-net	active	0	TelfonicaProvider Network Manager

The screenshot shows the ManageIQ interface with the 'Add a new Cloud Network' button highlighted in the sidebar. The main content area displays the same table of Cloud Networks as the previous screenshot.

	Name	Status	Instances	Network Provider
<input type="checkbox"/>	694548dc-9a12-4ec9-bed9-86e8f9784145	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	6efa1643-7a09-4c18-ae6a-f0699b889248	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	admin_external_net	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	C2c_miq_CN_031018	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	C2C-QA-NetworkTest	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	manageiq_Network_Aniket	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	manageiq_network_dev_ani	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	manageiq_Network_Test_n	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	miq_devs	active	0	TelfonicaProvider Network Manager
<input type="checkbox"/>	openlab-jobs-net	active	0	TelfonicaProvider Network Manager

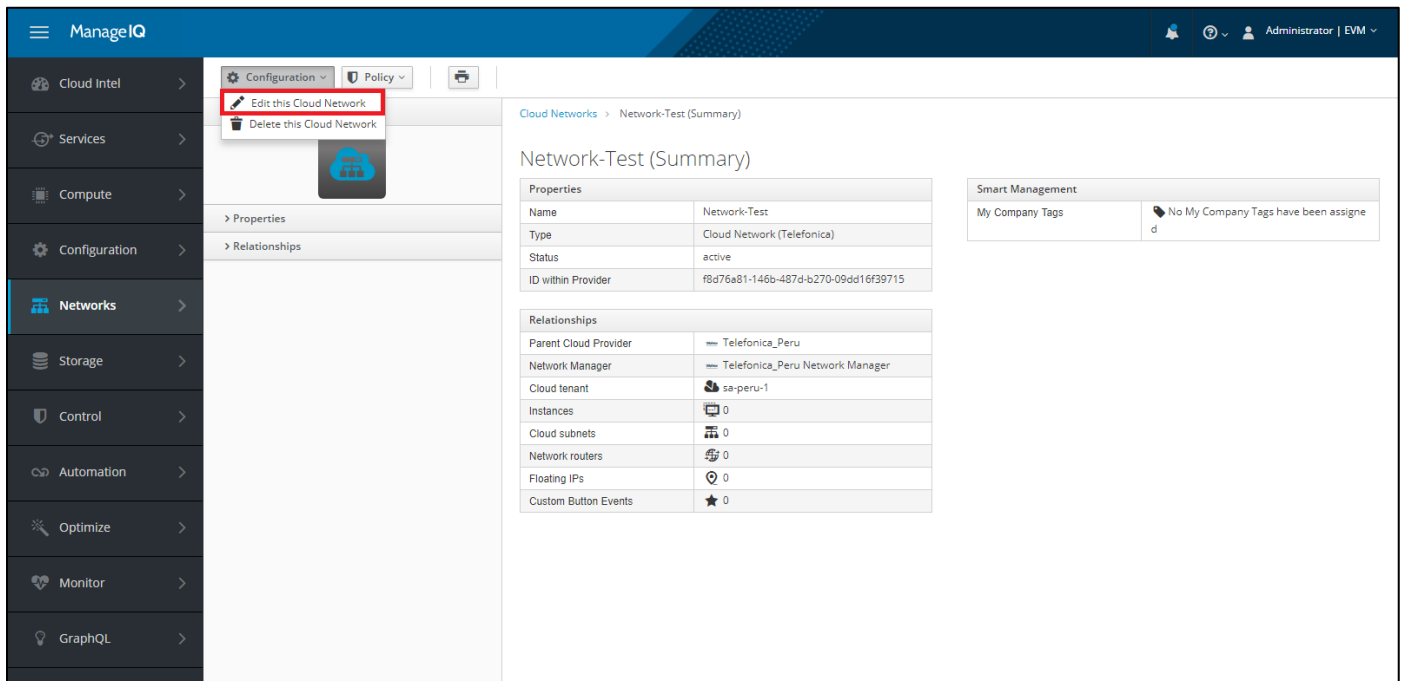
Add network

Go to **Networks** ->**Networks** ->**Configuration** ->**Add a new Cloud Network** Tab. Specify the Name for network, Cloud Tenant, Network Type to add new cloud network.

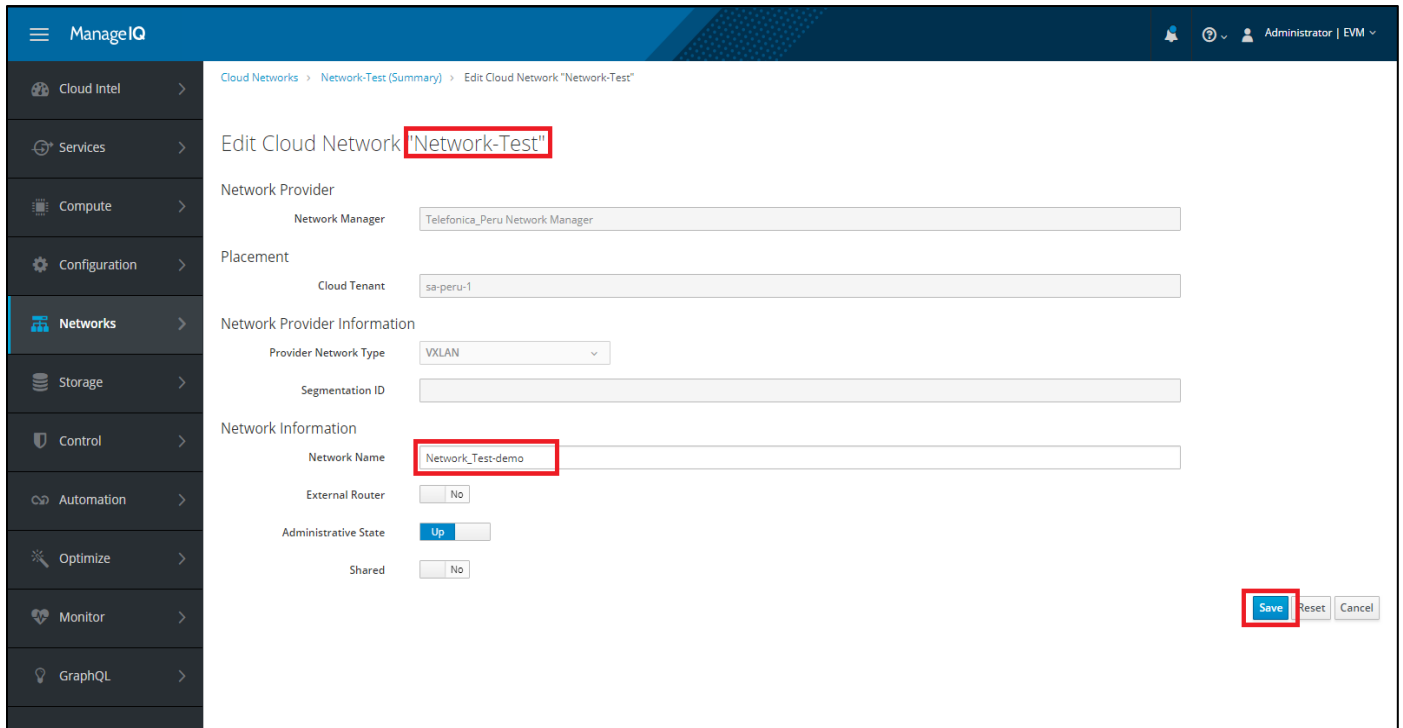


Edit Network

Go to **Networks** ->**Networks**, you can edit cloud network. Select cloud network and go to Configuration and click on edit this Cloud Network.

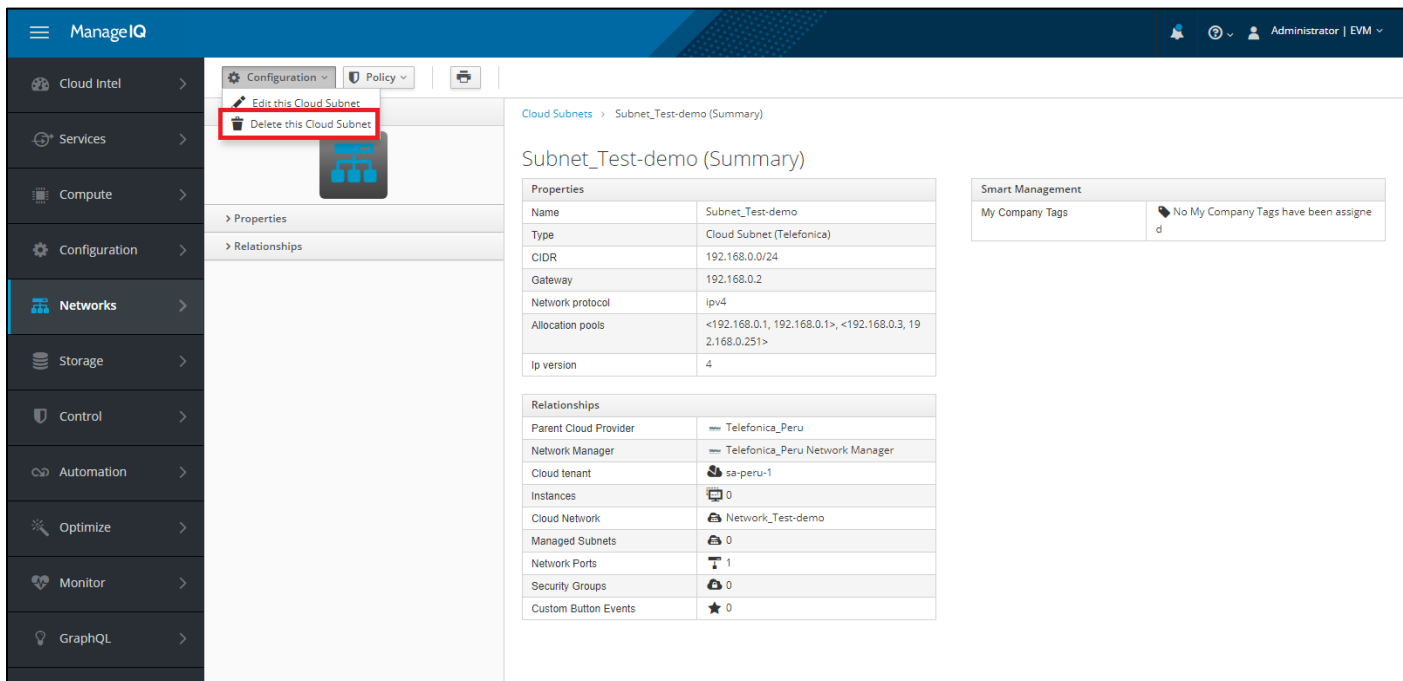


You can edit the name of Cloud Network, as shown in below image.



Delete Cloud Subnet

Go to **Networks** -> **Subnet**. Go to the **Configuration** and click on **Delete this Cloud Subnet** option. As shown in below image.



Subnet

You can Create, Delete, Edit and See the list of available Subnets under **Networks ->Subnets** tab.

The screenshot shows the ManageIQ interface with the 'Subnets' menu item highlighted in red. The main content area displays a table of Cloud Subnets.

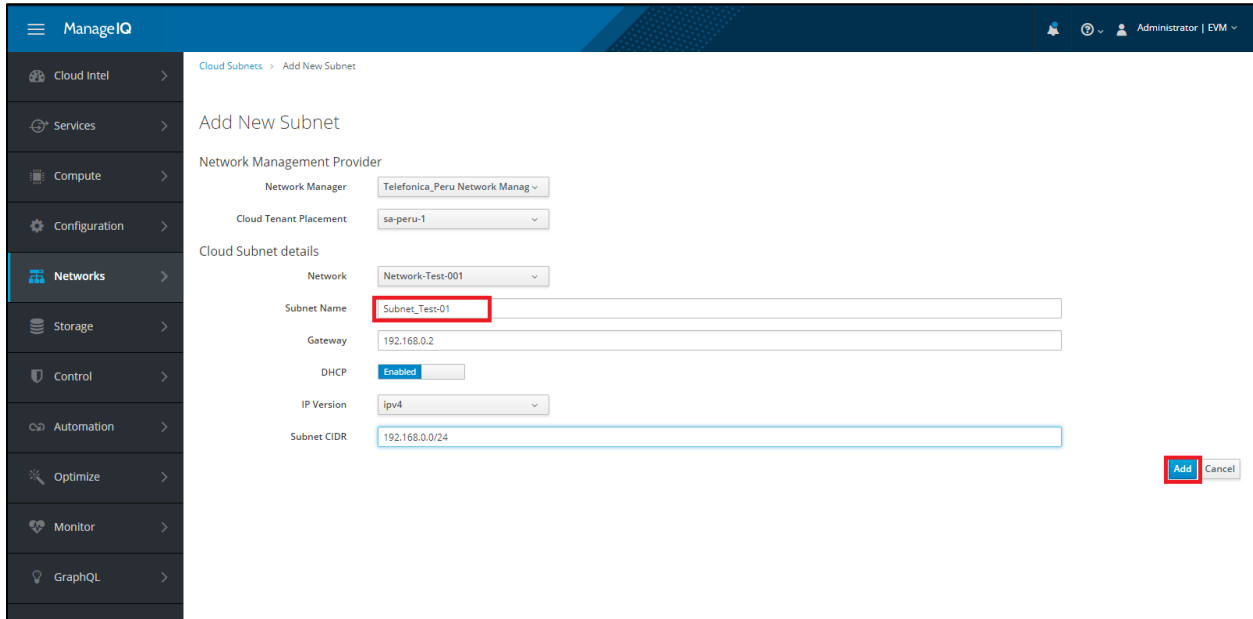
	Name	CIDR	Gateway	Protocol	DNS Nameservers	Instances	Network Provider
	311018	192.168.1.0/24	192.168.1.1	ipv4		0	Telefonica_demo Network Manager
	lizhonghua	10.0.0.0/24	10.0.0.1	ipv4	100.125.1.22, 8.8.8.8	0	Telefonica_demo Network Manager
	manageiq_subnet_dev_ani	10.0.10.0/28	10.0.10.1	ipv4		0	Telefonica_demo Network Manager
	manageiq_subnet_test_n	10.0.10.0/24	10.0.10.1	ipv4		0	Telefonica_demo Network Manager
	openlab-jobs-subnet	192.168.99.0/24	192.168.99.1	ipv4	100.125.4.25, 8.8.8.8	3	Telefonica_demo Network Manager
	subnet-1733	172.16.0.0/24	172.16.0.1	ipv4	100.125.1.22, 8.8.8.8	1	Telefonica_Peru Network Manager
	subnet-1f35	192.168.1.0/24	192.168.1.1	ipv4	100.125.1.22, 8.8.8.8	0	Telefonica_Peru Network Manager
	subnetProgram_1	192.168.0.0/16	192.168.0.1	ipv4		0	Telefonica_demo Network Manager
	Subnet_test-demo	172.16.0.0/16	172.16.0.1	ipv4		0	Telefonica_demo Network Manager
	subnet-update-test1	172.16.0.0/16	172.16.0.1	ipv4		0	Telefonica_demo Network Manager
	Test-subnet-demo	172.16.0.0/16	172.16.1.0	ipv4		0	Telefonica_Peru Network Manager

The screenshot shows the ManageIQ interface with the 'Add a new Cloud Subnet' button highlighted in red. The main content area displays a table of Cloud Subnets.

	Name	CIDR	Gateway	Protocol	DNS Nameservers	Instances	Network Provider
	311018	192.168.1.0/24	192.168.1.1	ipv4		0	Telefonica_demo Network Manager
	lizhonghua	10.0.0.0/24	10.0.0.1	ipv4	100.125.1.22, 8.8.8.8	0	Telefonica_demo Network Manager
	manageiq_subnet_dev_ani	10.0.10.0/28	10.0.10.1	ipv4		0	Telefonica_demo Network Manager
	manageiq_subnet_test_n	10.0.10.0/24	10.0.10.1	ipv4		0	Telefonica_demo Network Manager
	openlab-jobs-subnet	192.168.99.0/24	192.168.99.1	ipv4	100.125.4.25, 8.8.8.8	3	Telefonica_demo Network Manager
	subnet-1733	172.16.0.0/24	172.16.0.1	ipv4	100.125.1.22, 8.8.8.8	1	Telefonica_Peru Network Manager
	subnet-1f35	192.168.1.0/24	192.168.1.1	ipv4	100.125.1.22, 8.8.8.8	0	Telefonica_Peru Network Manager
	subnetProgram_1	192.168.0.0/16	192.168.0.1	ipv4		0	Telefonica_demo Network Manager
	Subnet_test-demo	172.16.0.0/16	172.16.0.1	ipv4		0	Telefonica_demo Network Manager
	subnet-update-test1	172.16.0.0/16	172.16.0.1	ipv4		0	Telefonica_demo Network Manager
	Test-subnet-demo	172.16.0.0/16	172.16.1.0	ipv4		0	Telefonica_Peru Network Manager

Add a Cloud Subnet

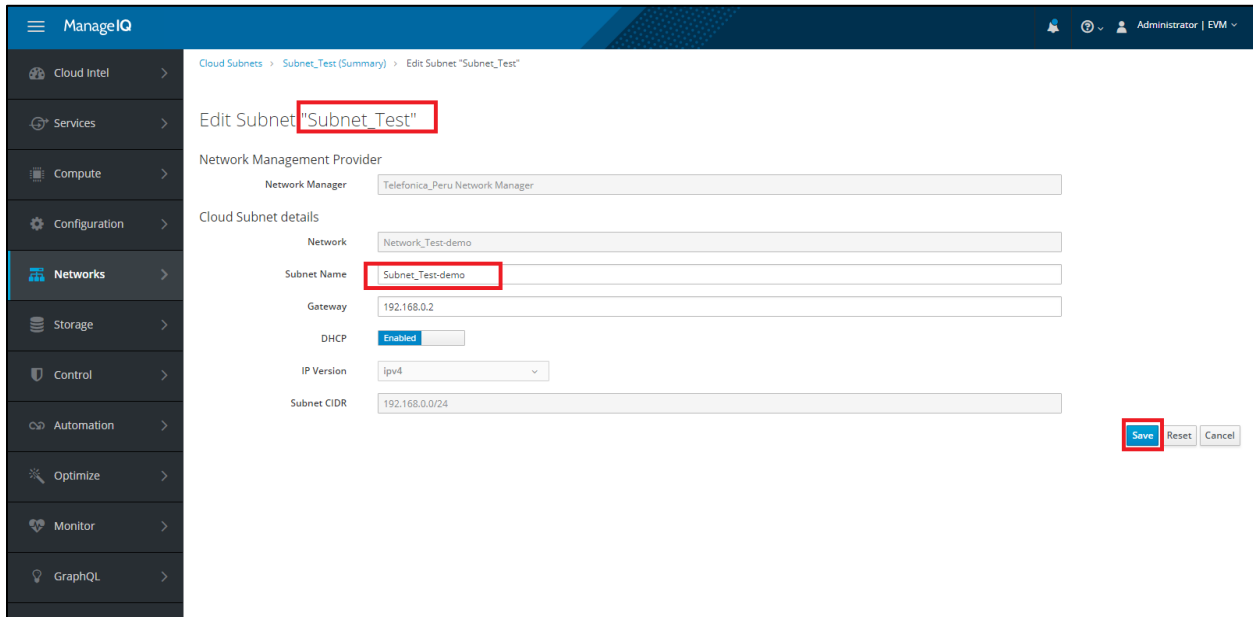
Go to **Networks** ->**Subnet** ->**Configuration** ->**Add a new Cloud Subnet** tab. To add cloud subnet, select **Network Manager**, select **Cloud Tenant Placement**, after that in Cloud Subnet Details select Network, give a valid Subnet name, Gateway and Subnet CIDR as shown in below image.



The screenshot shows the 'Add New Subnet' form in the ManageIQ interface. The form is titled 'Add New Subnet' and is located under 'Cloud Subnets > Add New Subnet'. The 'Network Management Provider' is set to 'Telefonica_Peru Network Manag'. The 'Cloud Tenant Placement' is set to 'sa-peru-1'. The 'Cloud Subnet details' section includes the following fields: 'Network' (Network-Test-001), 'Subnet Name' (Subnet_Test-01), 'Gateway' (192.168.0.2), 'DHCP' (Enabled), 'IP Version' (Ipv4), and 'Subnet CIDR' (192.168.0.0/24). The 'Add' button is highlighted in red.

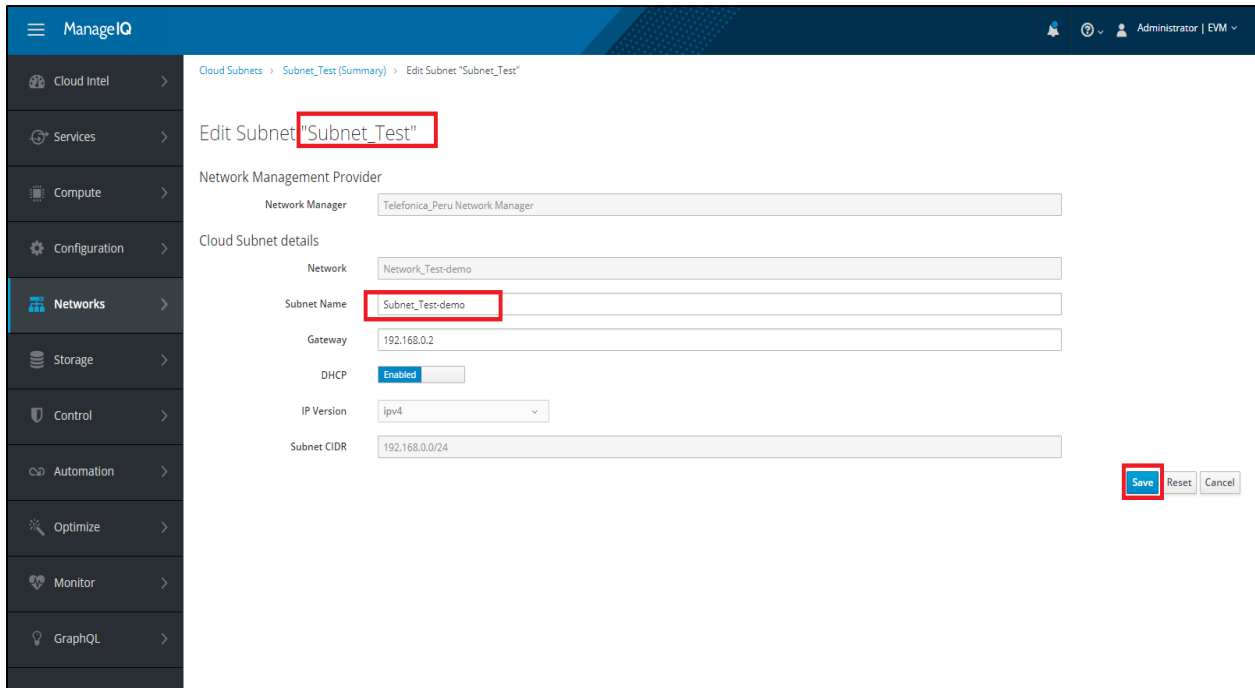
Edit Cloud Subnet

Go to **Networks** ->**Subnet**, here you can also edit a Cloud Subnet. Go to the Configuration and click on edit this Cloud Subnet option. As shown in below image.



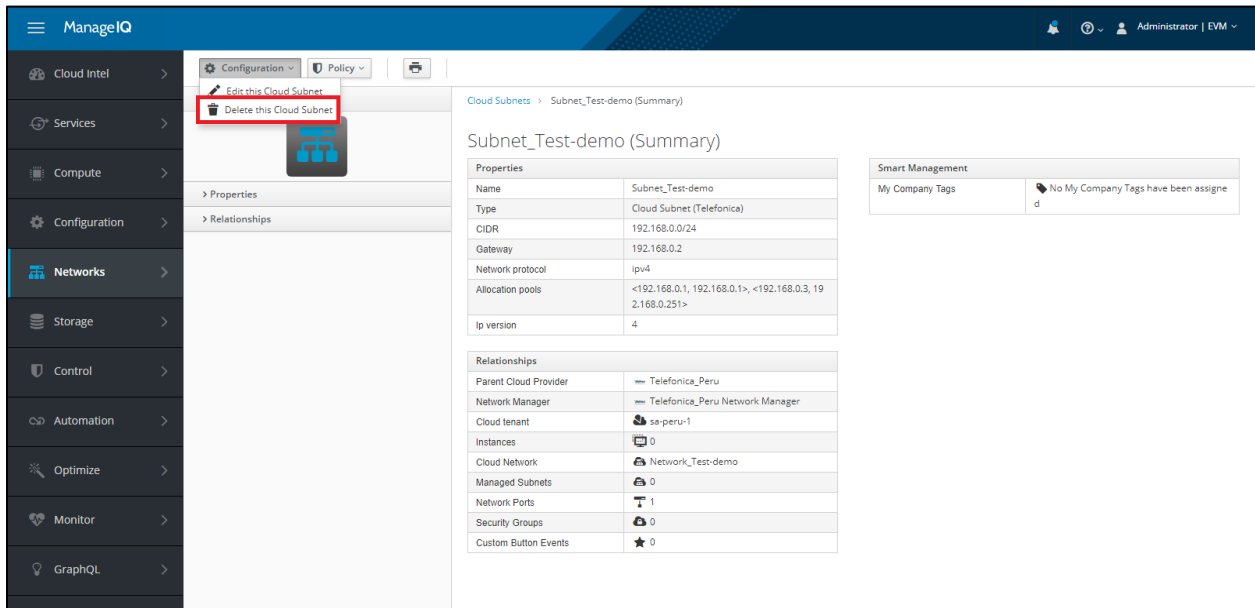
The screenshot shows the 'Edit Subnet' form in the ManageIQ interface. The form is titled 'Edit Subnet "Subnet_Test"' and is located under 'Cloud Subnets > Subnet_Test (Summary) > Edit Subnet "Subnet_Test"'. The 'Network Management Provider' is set to 'Telefonica_Peru Network Manager'. The 'Cloud Subnet details' section includes the following fields: 'Network' (Network_Test-demo), 'Subnet Name' (Subnet_Test-demo), 'Gateway' (192.168.0.2), 'DHCP' (Enabled), 'IP Version' (Ipv4), and 'Subnet CIDR' (192.168.0.0/24). The 'Save' button is highlighted in red.

You can Edit Subnet Name and Gateway as shown in below image.



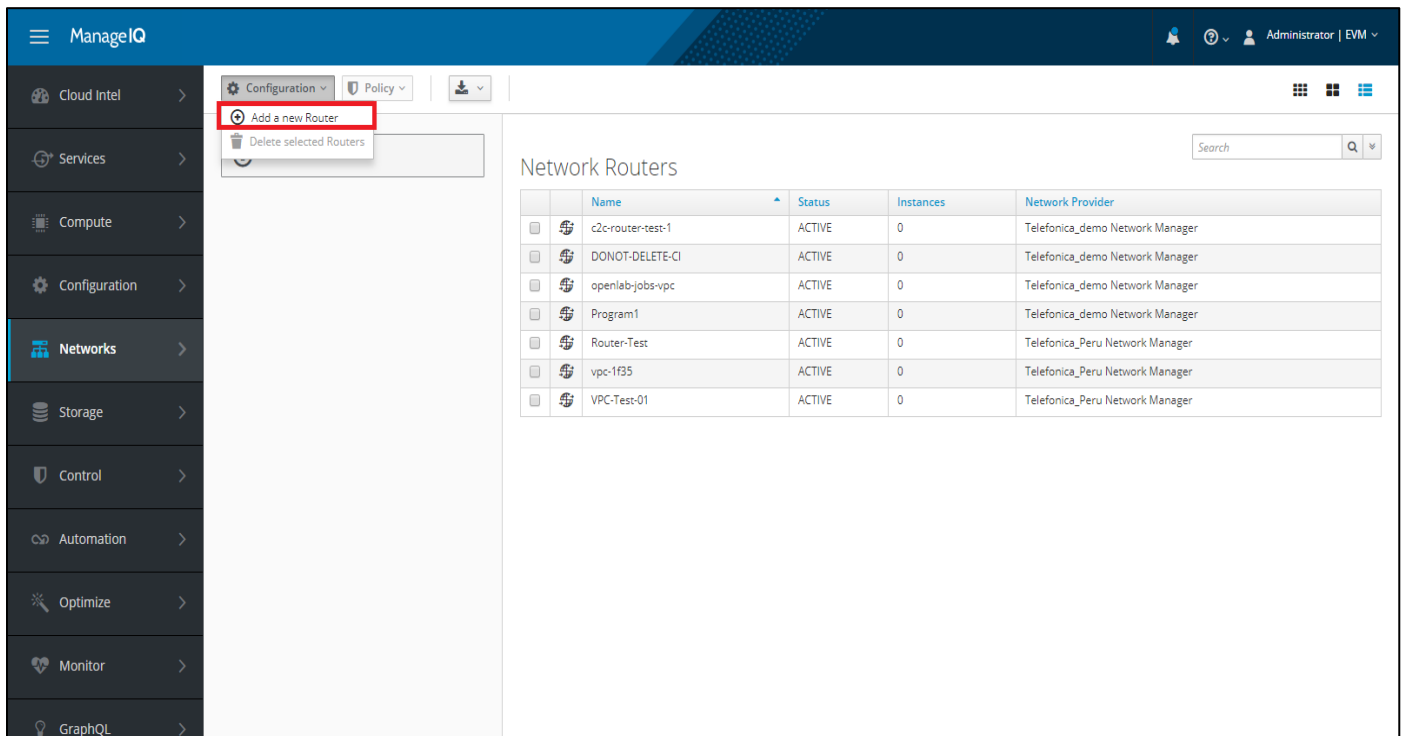
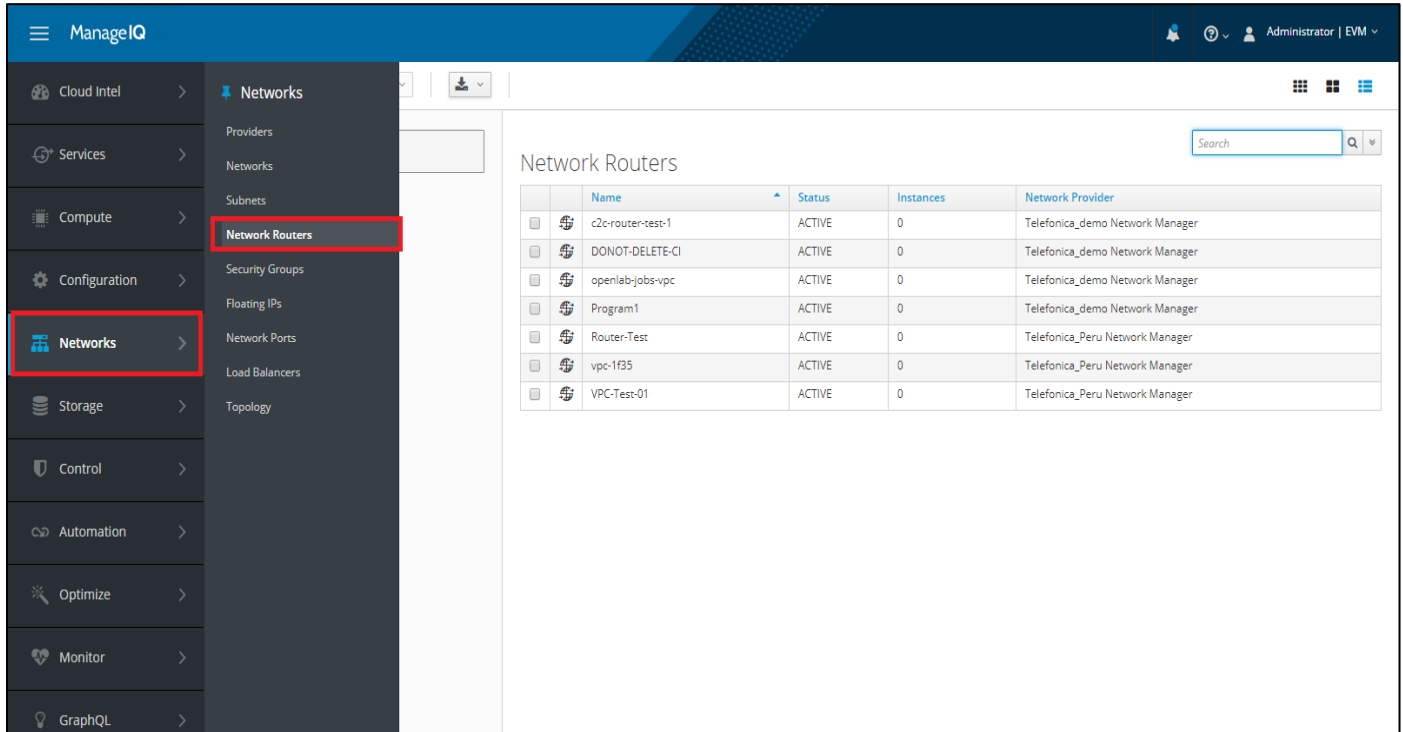
Delete Cloud Subnet

Go to **Networks** -> **Subnet**, here you can also delete a Cloud Subnet. Go to the **Configuration** and click on **Delete this Cloud Subnet** option. As shown in below image.



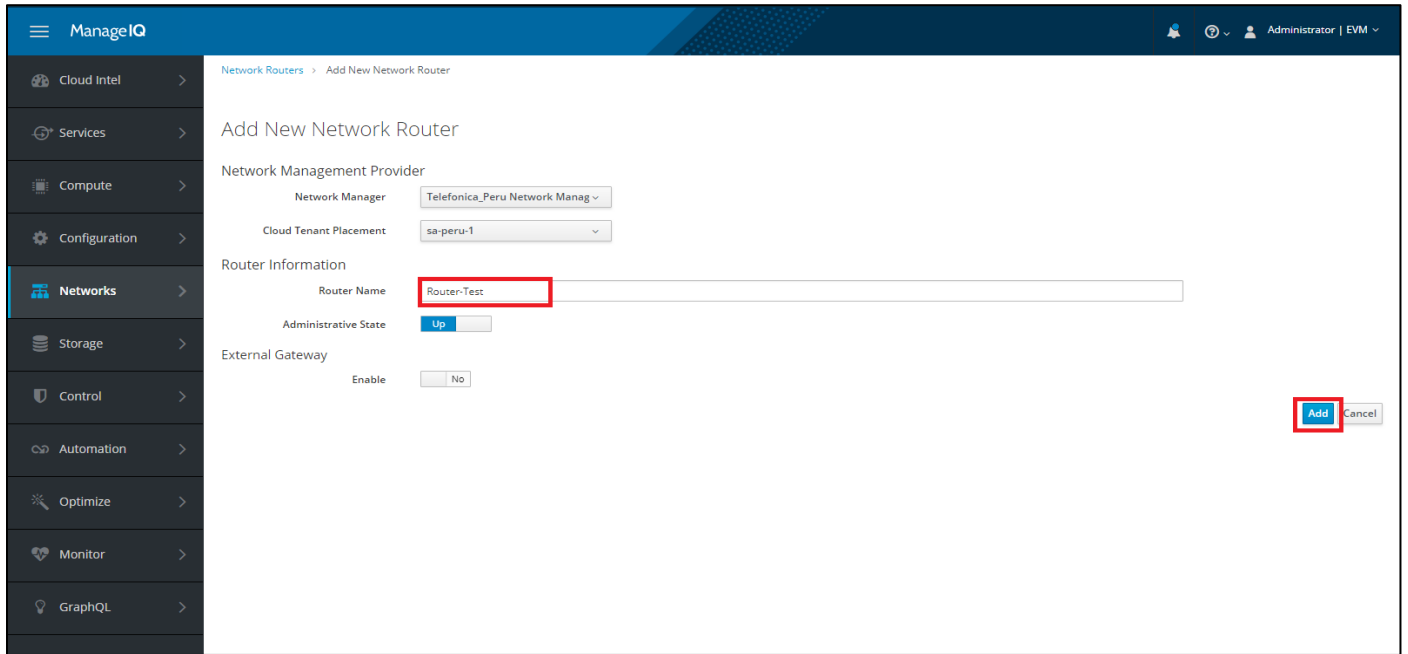
Network Routers

To create VPC on Telefonica cloud, Go to **Networks** -> **Network Routers**. You can Add a new Router, Edit the Router, Delete the Router and see the list of available Routers.



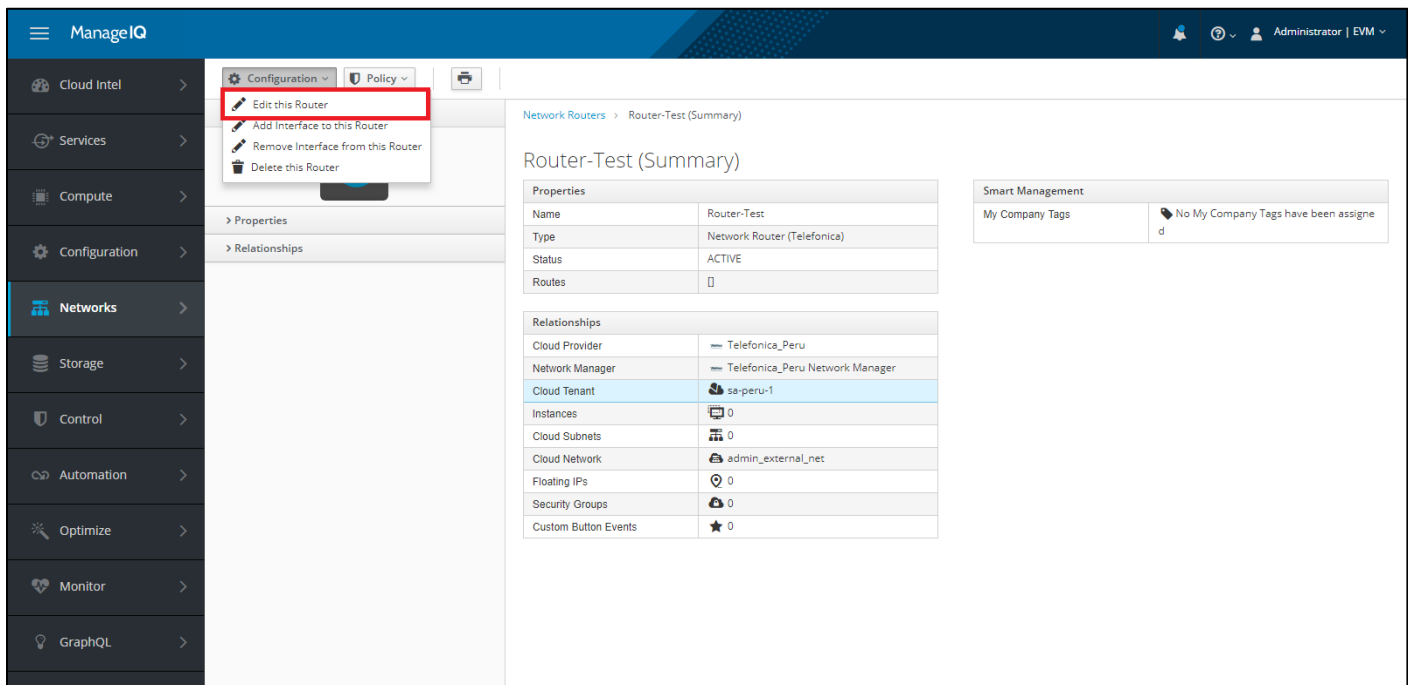
Add a new Router

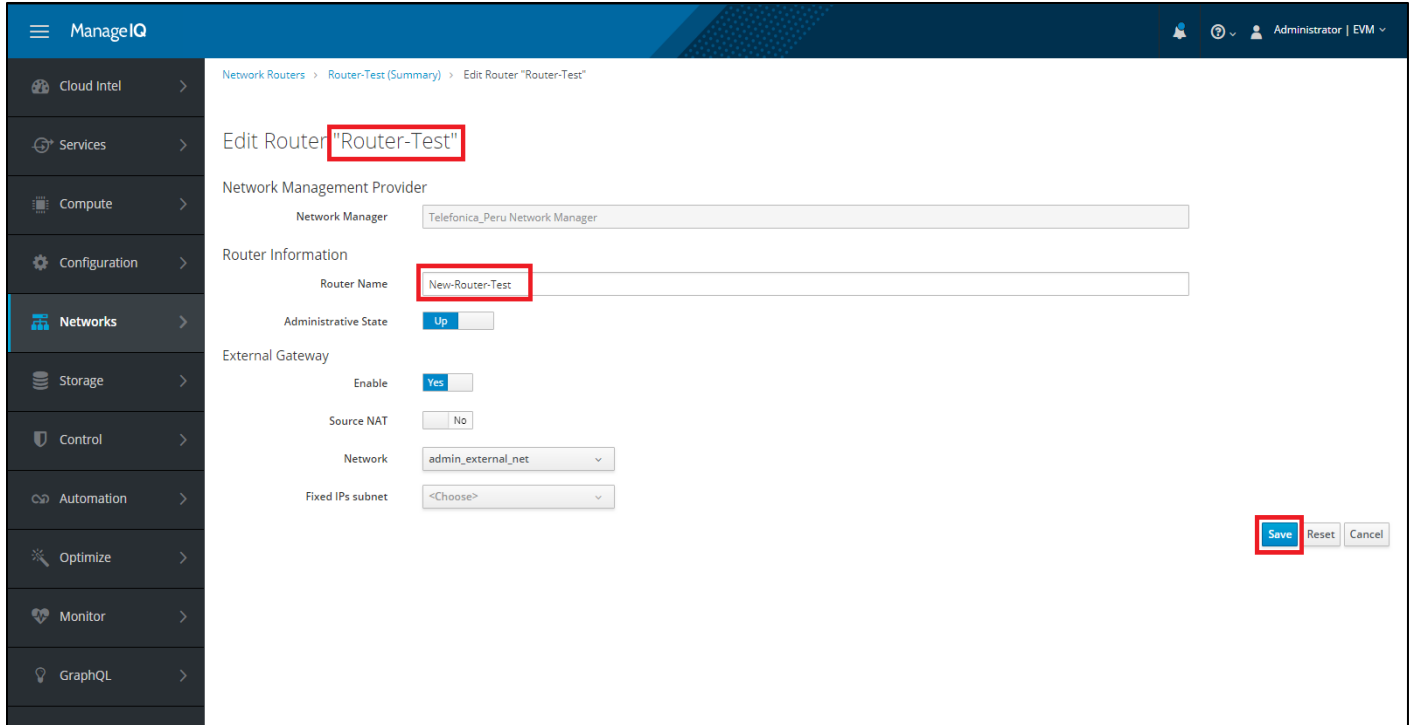
Go to **Networks ->Network Routers ->Configuration ->Add a new Router**. You can Add a new Router, as shown in below image.



Edit Network Router

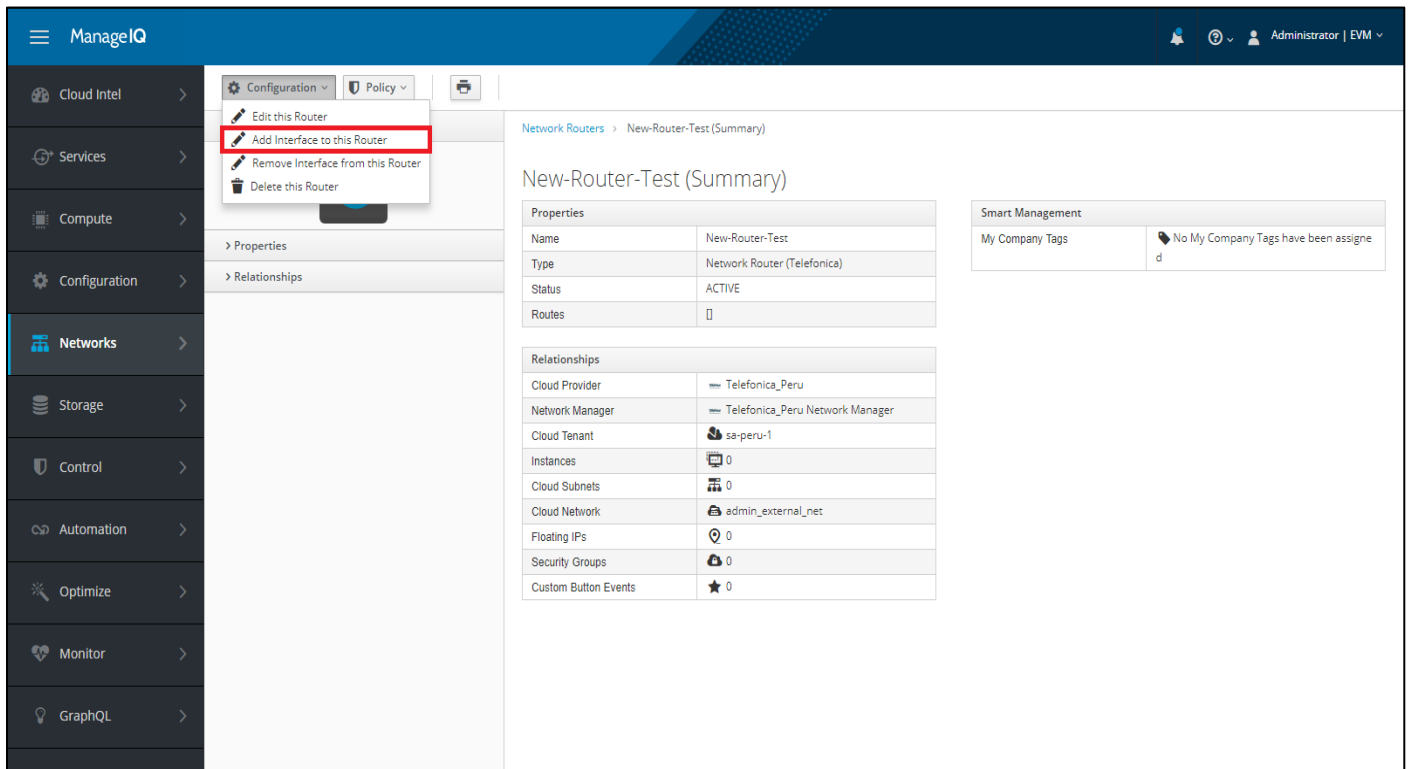
Go to **Networks ->Network Routers**, select the specific router, click on **Configuration->Edit this Router** option. As shown in below image.

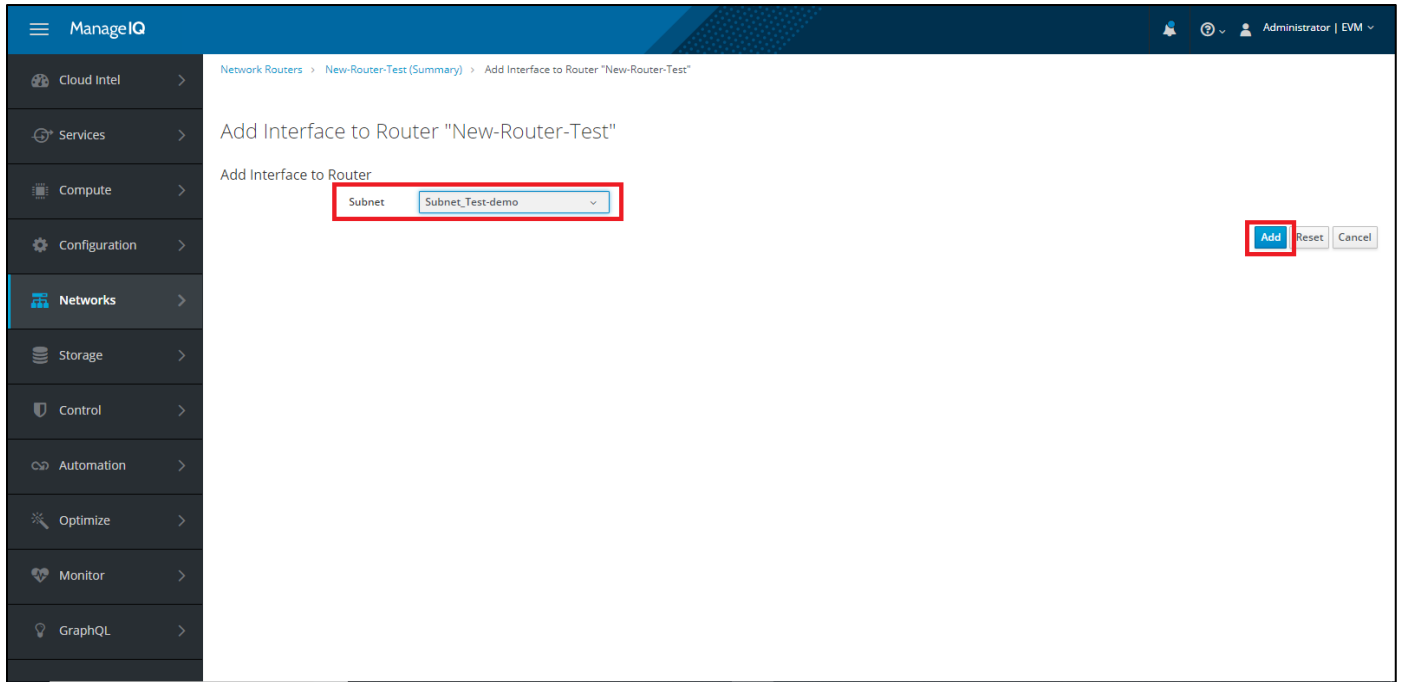




Add interface to Router

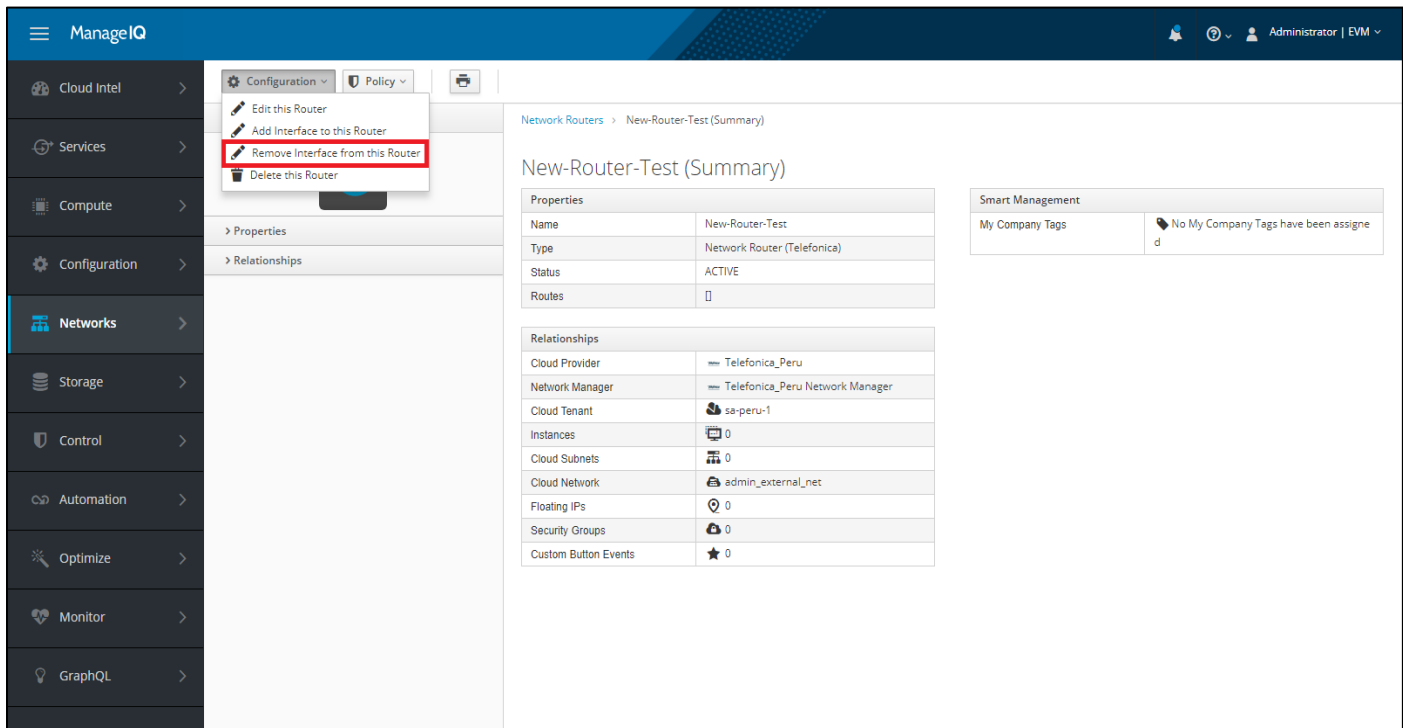
Go to **Networks** -> **Network Routers**, select the specific router, after that click on **Configuration->Add Interface to this Router** option. As shown in below image.





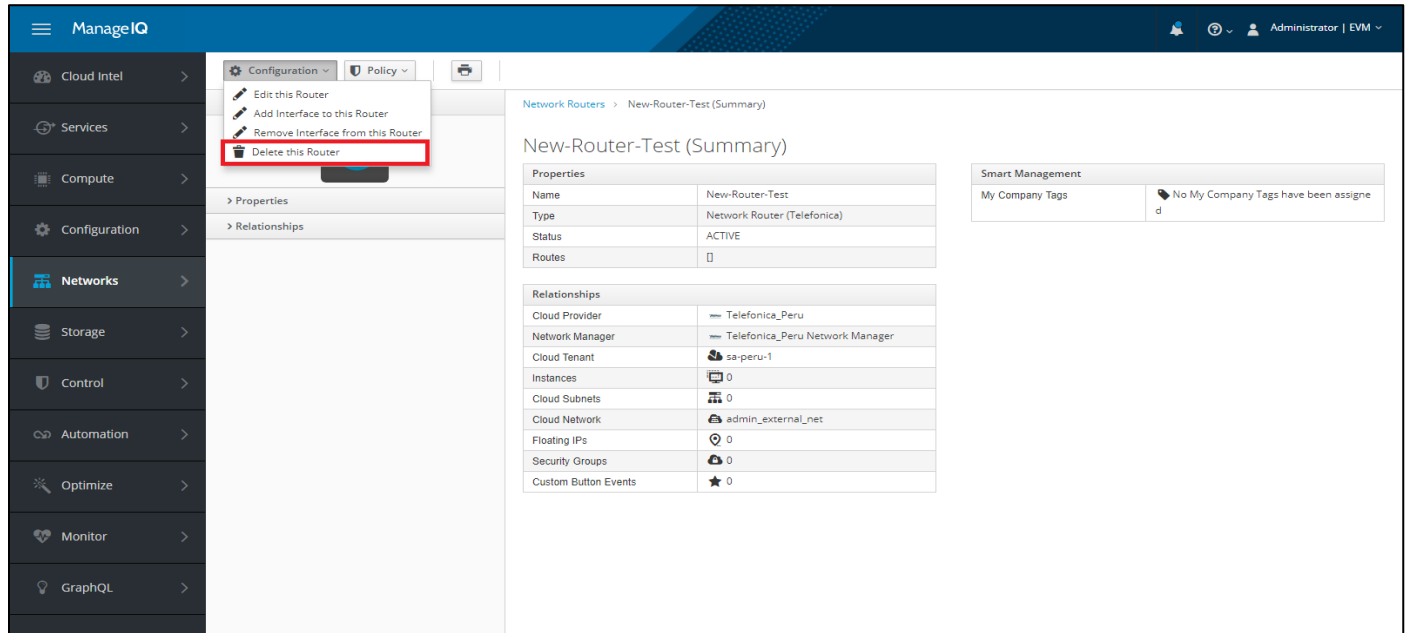
Remove interface from Router

Go to **Networks** -> **Network Routers**, select the specific router, after that click on **Configuration**-> **Remove Interface from this Router** option. As shown in below image.



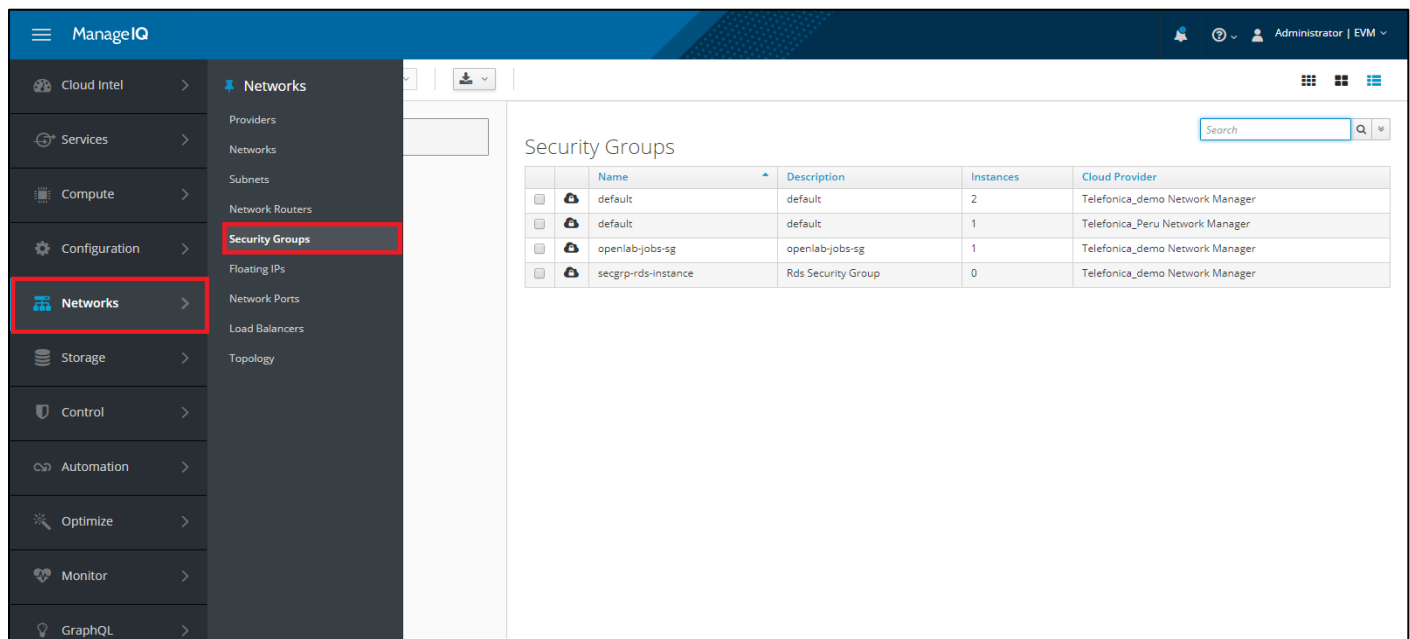
Delete Router

To delete the router, Go to **Networks ->Network Routers ->Configuration -> Delete this Router**. You can delete Router, as shown in below image.



Security Groups

Go to **Networks ->Security Groups**, here you can Add a new Security Group, Edit the Security Group, Delete the Security Group and see the list of available Security Group.





ManageIQ

Configuration Policy

Add a new Security Group

No filters defined.

Security Groups

	Name	Description	Instances	Cloud Provider
<input type="checkbox"/>	default	default	2	Telefonica_demo Network Manager
<input type="checkbox"/>	default	default	1	Telefonica_Peru Network Manager
<input type="checkbox"/>	openlab-jobs-sg	openlab-jobs-sg	1	Telefonica_demo Network Manager
<input type="checkbox"/>	secgrp-rds-instance	Rds Security Group	0	Telefonica_demo Network Manager

ManageIQ

Configuration Policy

Edit this Security Group
Delete this Security Group

default (Summary)

Properties

Description	default
Type	Security Group (Telefonica)

Relationships

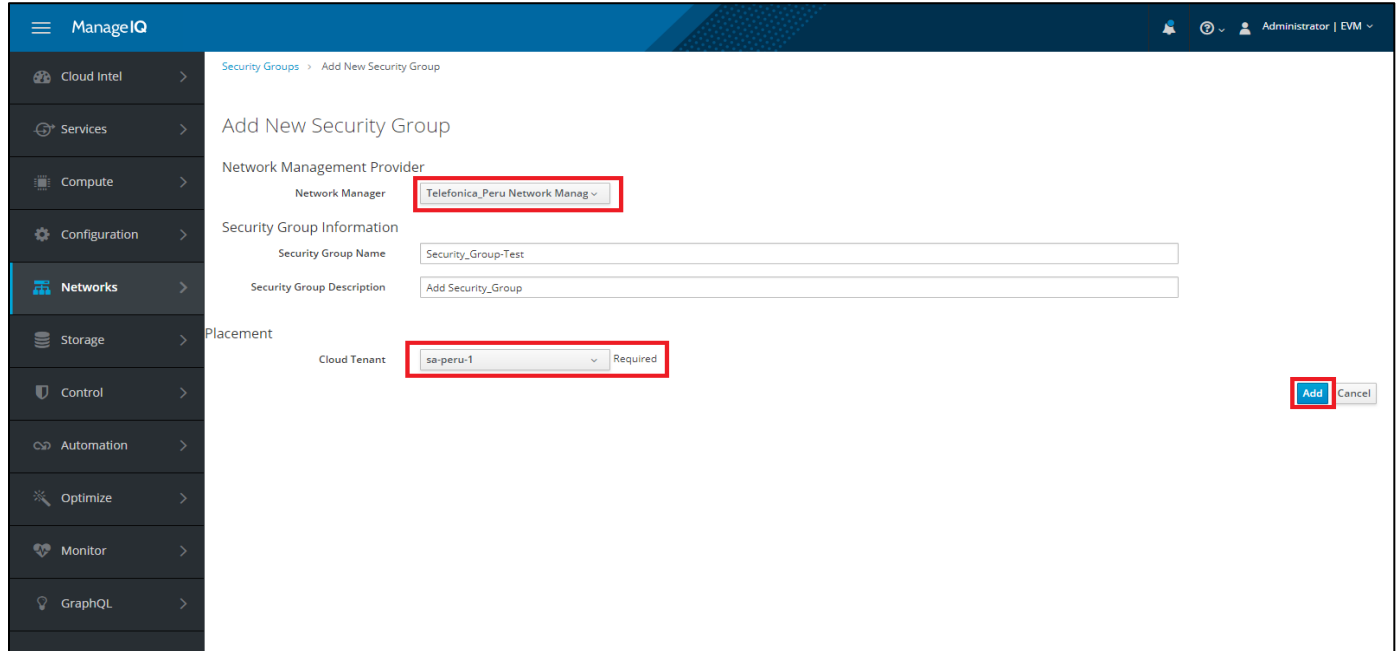
Parent Cloud Provider	TelefonicaProvider
Network Manager	TelefonicaProvider Network Manager
Cloud tenant	sa-brazil-1
Instances	0
Network ports	7
Custom Button Events	0

Firewall Rules

Network Protocol	Host Protocol	Direction	Port Range	Source
IPV4		inbound	All	0.0.0.0/0
IPV4		outbound	All	0.0.0.0/0
IPV4	TCP	inbound	3000	0.0.0.0/0
IPV4	TCP	inbound	4000	0.0.0.0/0

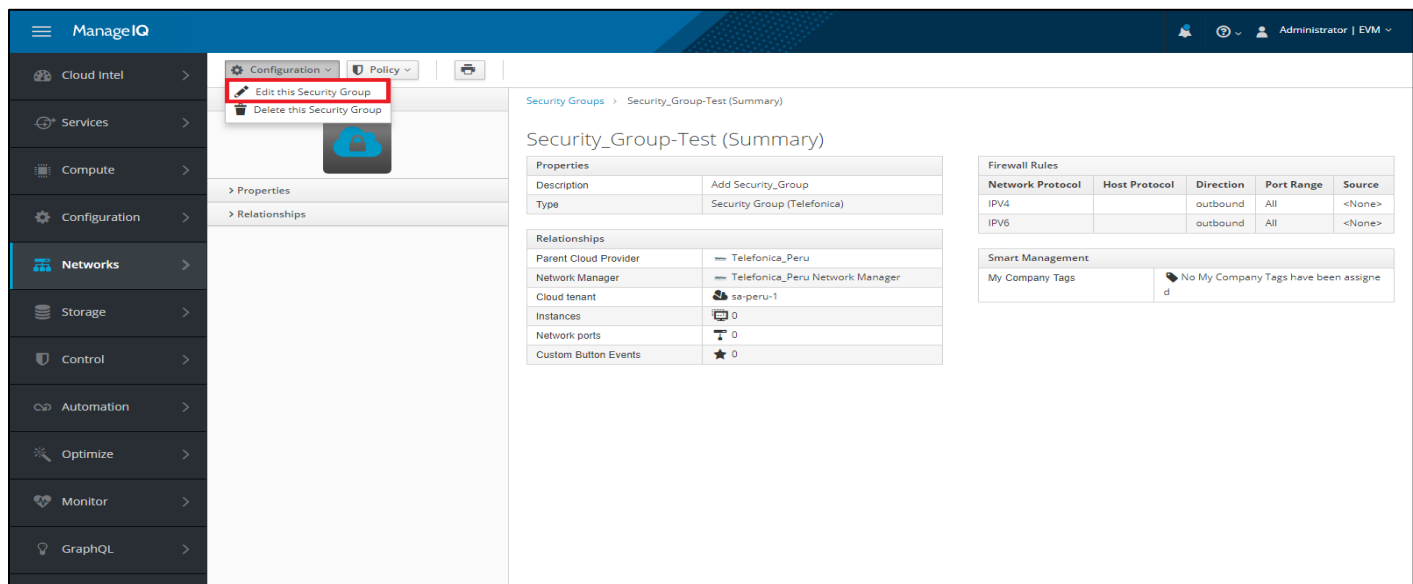
Add Security Groups

To add a Security Group, Go to **Networks ->Security Groups**, click on **Configuration->Add a New Security Group** option. Select a Network Provider, give a valid Security Group Name, write Security Group Description, select the Cloud Tenant and click on **Add** button.



Edit Security Group

To Edit Security Group, Go to **Networks ->Security Groups**, click on the respective Security Group from the list and then click on **Configuration**, select **Edit this Security Group** option. Here you can edit the Security Group Name, Security Group Description and Add Firewall Rules also.





Security Groups > Security_Group-Test (Summary) > Edit Security Group "Security_Group-Test"

Edit Security Group "Security_Group-Test"

Network Management Provider

Network Manager: Telefonica_Peru Network Manager

Security Group Information

Security Group Name: **New-Security_Group-Test**

Security Group Description: Update Security_Group

Placement

Cloud Tenant: sa-peru-1

Firewall Rules

Direction	Network Protocol	Host Protocol	Remote Security Group (name - ref)	IP Range	Port	End Port	Action
outbound	IPV4	Nothing selected	<Choose>				Delete
outbound	IPV6	Nothing selected	<Choose>				Delete

Add a Firewall Rule

Save Reset Cancel

Delete Subnet Group

To delete the Security Group, Go to **Networks ->Security Groups**, click on the specific security group from the list and then click on **Configuration->Delete this Security Group** option.

Configuration > Policy > Edit this Security Group > **Delete this Security Group**

Security Groups > New-Security_Group-Test (Summary)

New-Security_Group-Test (Summary)

Properties

Description	Update Security_Group
Type	Security Group (Telefonica)

Relationships

Parent Cloud Provider	Telefonica_Peru
Network Manager	Telefonica_Peru Network Manager
Cloud tenant	sa-peru-1
Instances	0
Network ports	0
Custom Button Events	0

Firewall Rules

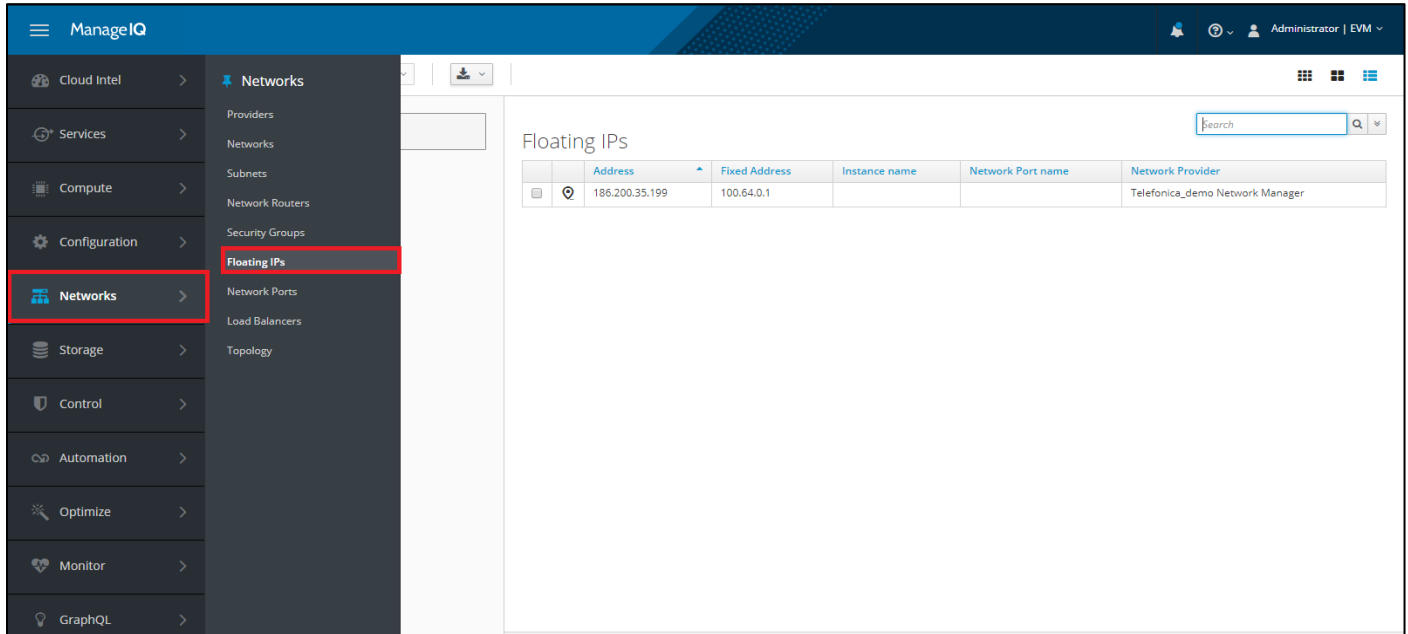
Network Protocol	Host Protocol	Direction	Port Range	Source
IPV4		outbound	All	<None>
IPV6		outbound	All	<None>

Smart Management

My Company Tags: No My Company Tags have been assigned

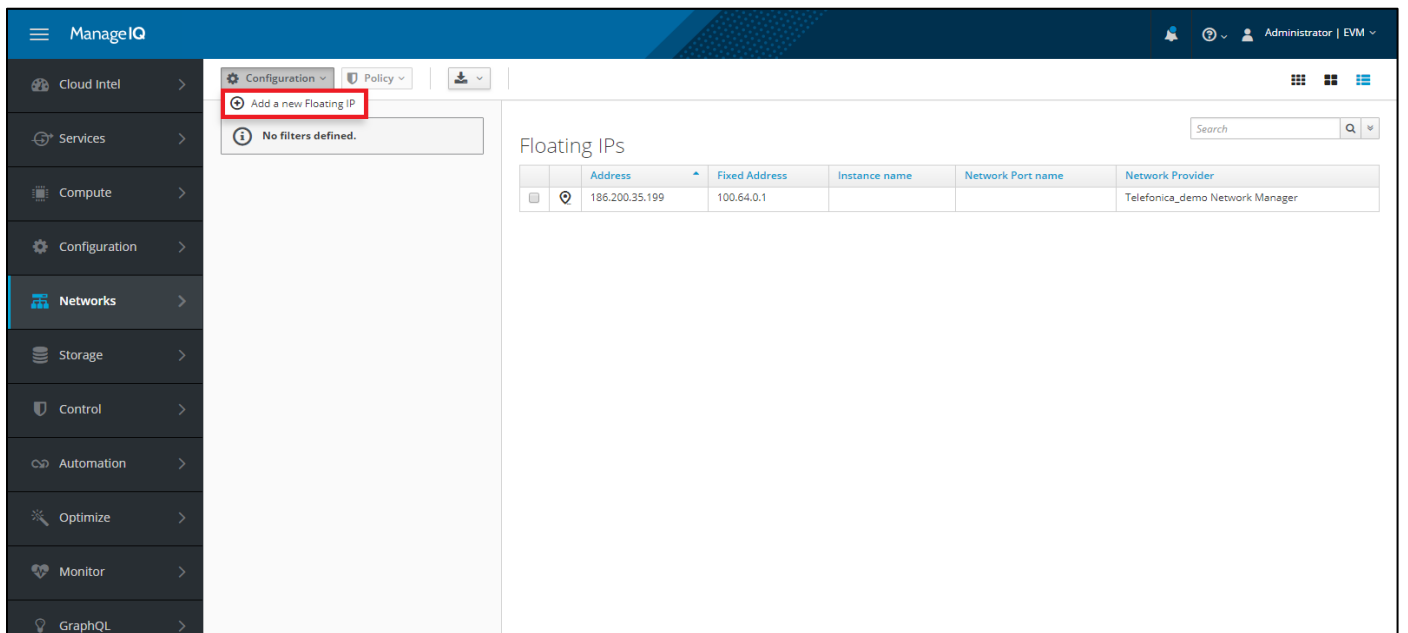
Floating IP

Go to **Networks** -> **Floating IP**, here you can Add a new Floating IP, Delete the Floating IP and see the list of available Floating IPs.



Add Floating IP

To Add Floating IP, Go to **Networks** -> **Floating IP**. Click on **Add a new Floating IP** option, choose Network Provider, choose External Network, choose Cloud Tenant Placement and click on **Add** button.





ManageIQ

Cloud Intel > Floating IPs > Add New Floating IP

Services > Add New Floating IP

Compute > Network Management Provider

Configuration > Network Manager: Telefonica_Peru Network Manag

External Network: admin_external_net

Cloud Tenant Placement: sa-peru-1

Networks > Association Information

Storage > Floating IP Address (optional):

Control > Fixed IP Address:

Automation > Associated Port ID (blank to disassociate):

Optimize > Add Cancel

Monitor >

GraphQL >

Delete Floating IP

To Delete Floating IP, Go to **Networks -> Floating IP**. Go to the **Configuration** and click on **Delete this Floating IP** option. As shown in below image.

ManageIQ

Configuration > Policy > Manage the port association of this Floating IP

Configuration > Delete this Floating IP

Networks > Floating IPs > 186.200.35.219 (Summary)

Storage > 186.200.35.219 (Summary)

Control > Properties

Automation > Relationships

Optimize >

Monitor >

GraphQL >

Properties	
Address	186.200.35.219
Type	Floating IP (Telefonica)
Fixed ip address	192.168.99.210
Status	ACTIVE

Relationships	
Parent Cloud Provider	Telefonica_demo
Network Manager	Telefonica_demo Network Manager
Cloud tenant	sa-brazil-1
Instance	C2C-CB
Network port	fa:16:8e:a8:16:2e
Cloud Network	admin_external_net

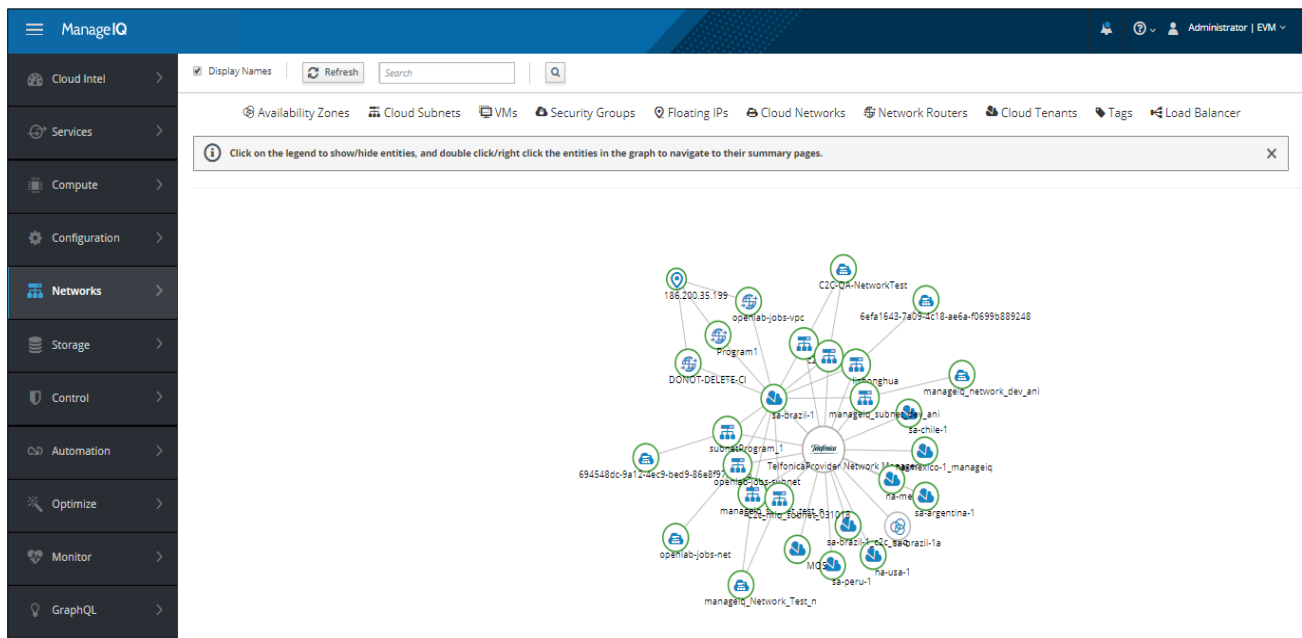
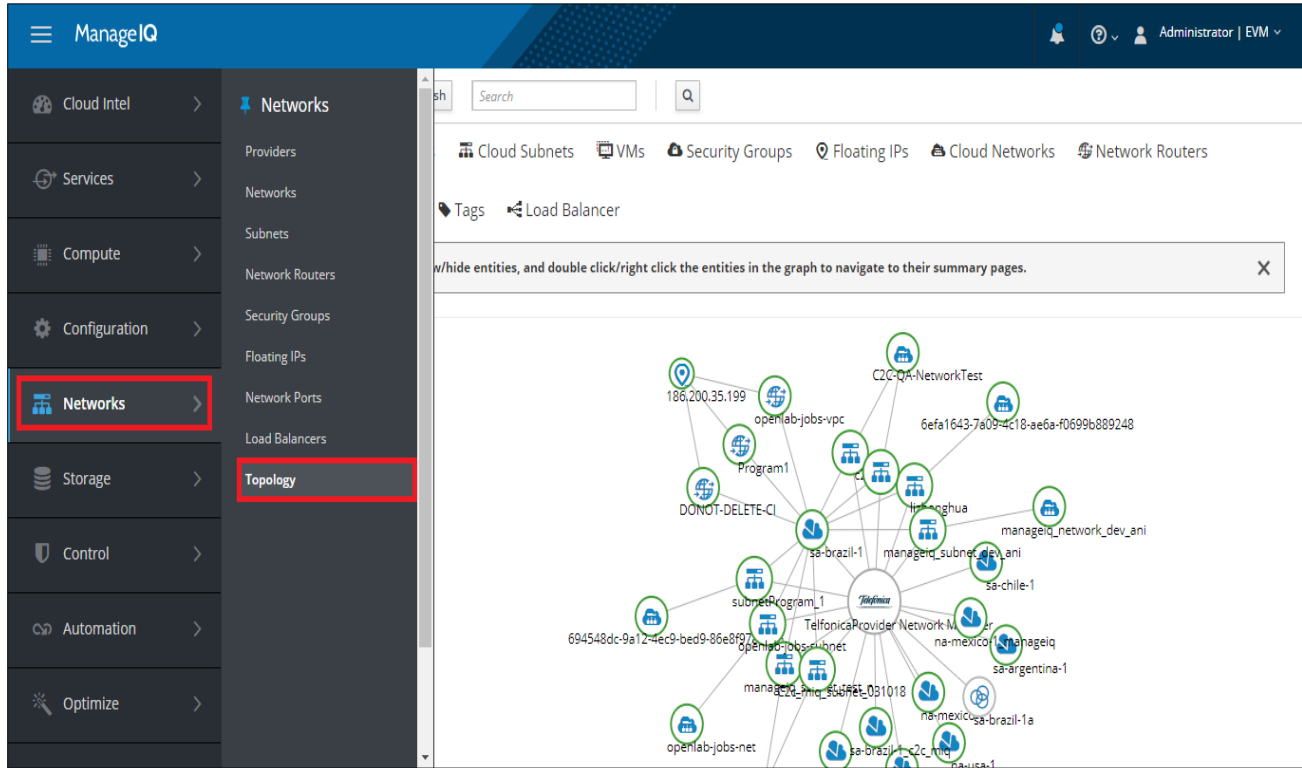
Smart Management

My Company Tags: No My Company Tags have been assigne



Topology

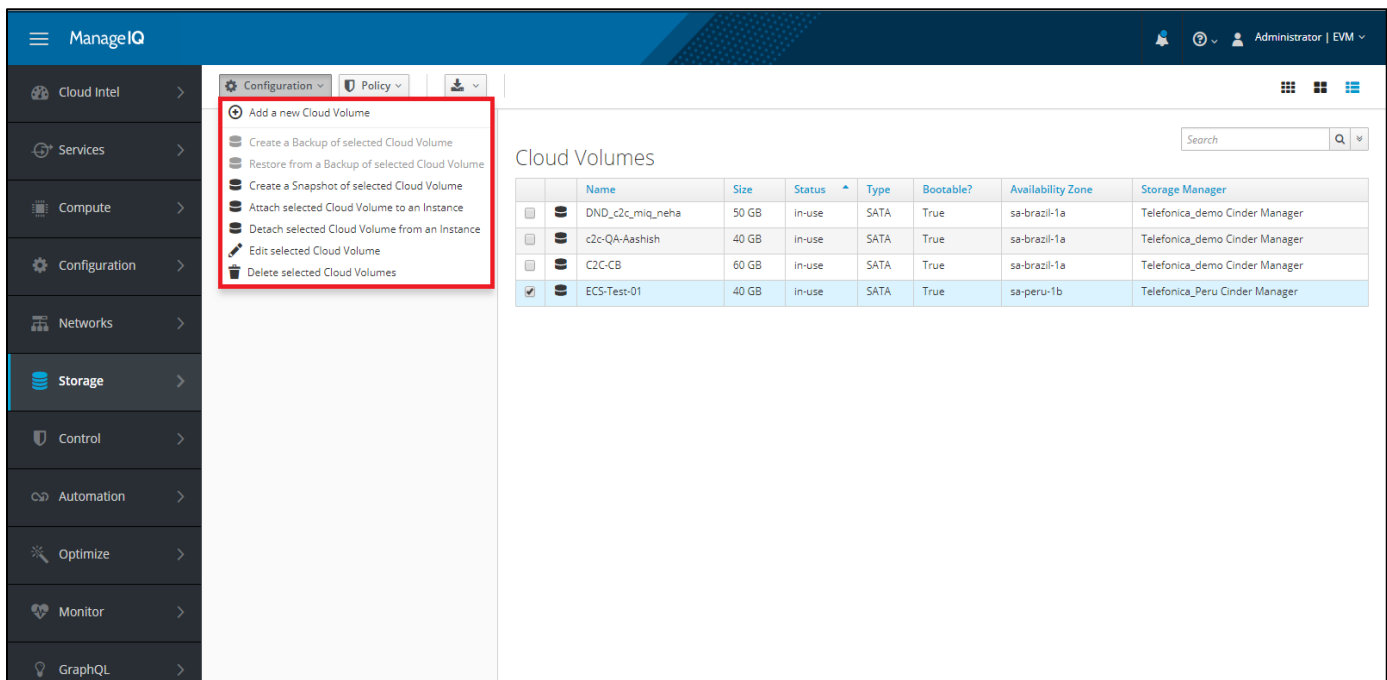
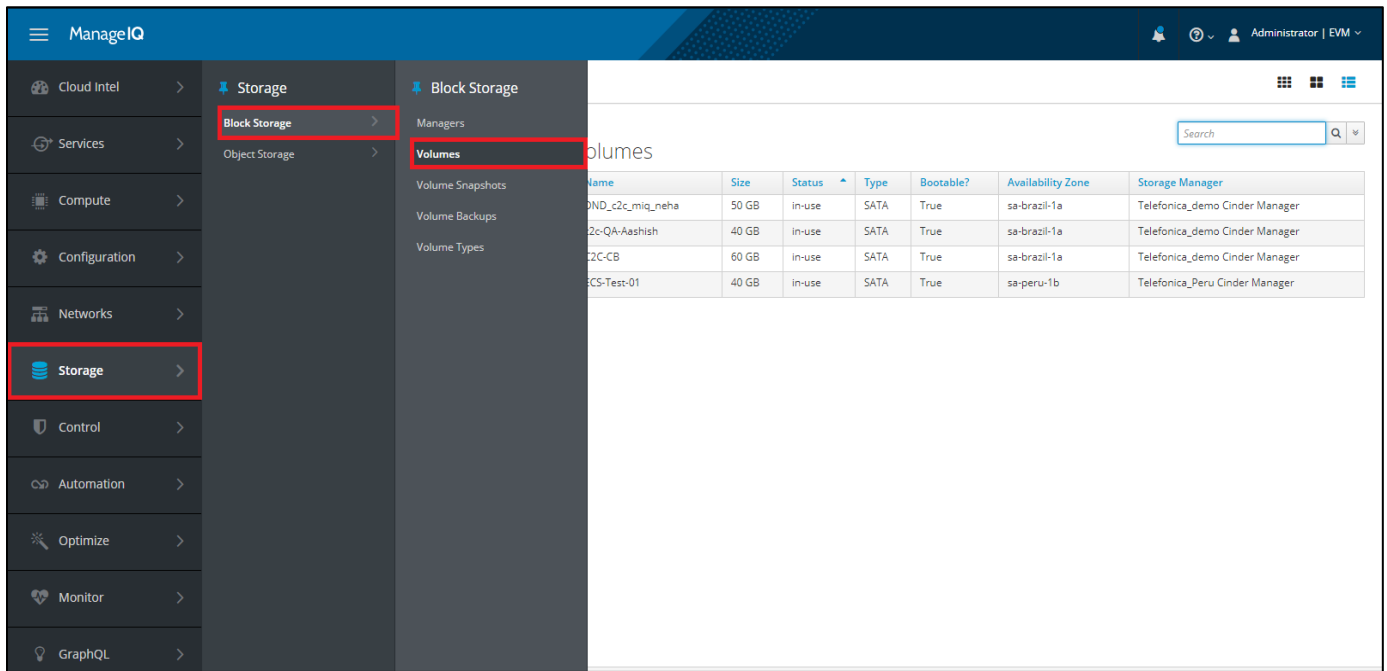
Go to **Networks** -> **Topology**, here you can see the graphical representation of resources like Availability Zones, Cloud Subnets, VMs, Security Groups, Floating IPs, Cloud Networks, Network Routers, Cloud Tenants, Tags, Load Balancer.



Storage

Volumes

Go to **Storage ->Block Storage ->Volumes**, here you can perform the operations like Add a new Cloud Volume, Edit the Cloud Volume, Delete the Cloud Volume, Attach Cloud Volume to an Instance, Detach Cloud Volume from an Instance, Create a Snapshot, Delete the Snapshot, List all disks, List the Snapshots, Get the Snapshot Information.





Cloud Volumes > ECS-Test-01 (Summary)

ECS-Test-01 (Summary)

Properties	
Name	ECS-Test-01
Size	40 GB
Bootable	true

Relationships	
Parent Cloud Provider	Telefonica_Peru
Storage Manager	Telefonica_Peru Cinder Manager
Availability Zone	sa-peru-1b
Cloud Tenants	sa-peru-1
Base Snapshot	None
Cloud Volume Backups	0
Cloud Volume Snapshots	0
Instances	1
Custom Button Events	0

Smart Management

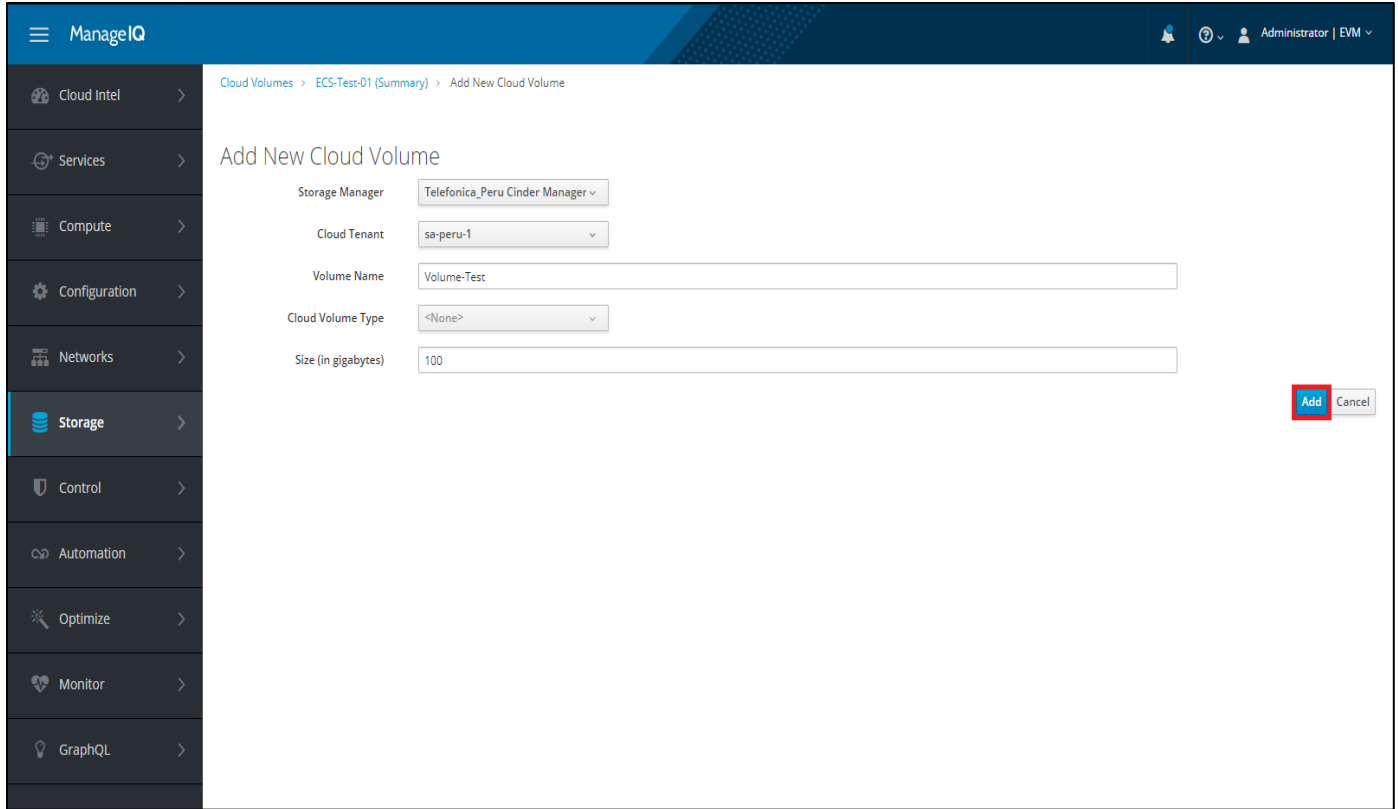
My Company Tags: No My Company Tags have been assigned

Add Cloud Volume

Go to **Storage ->Block Storage ->Volumes ->Add a new cloud volume**, here you can add cloud volumes.

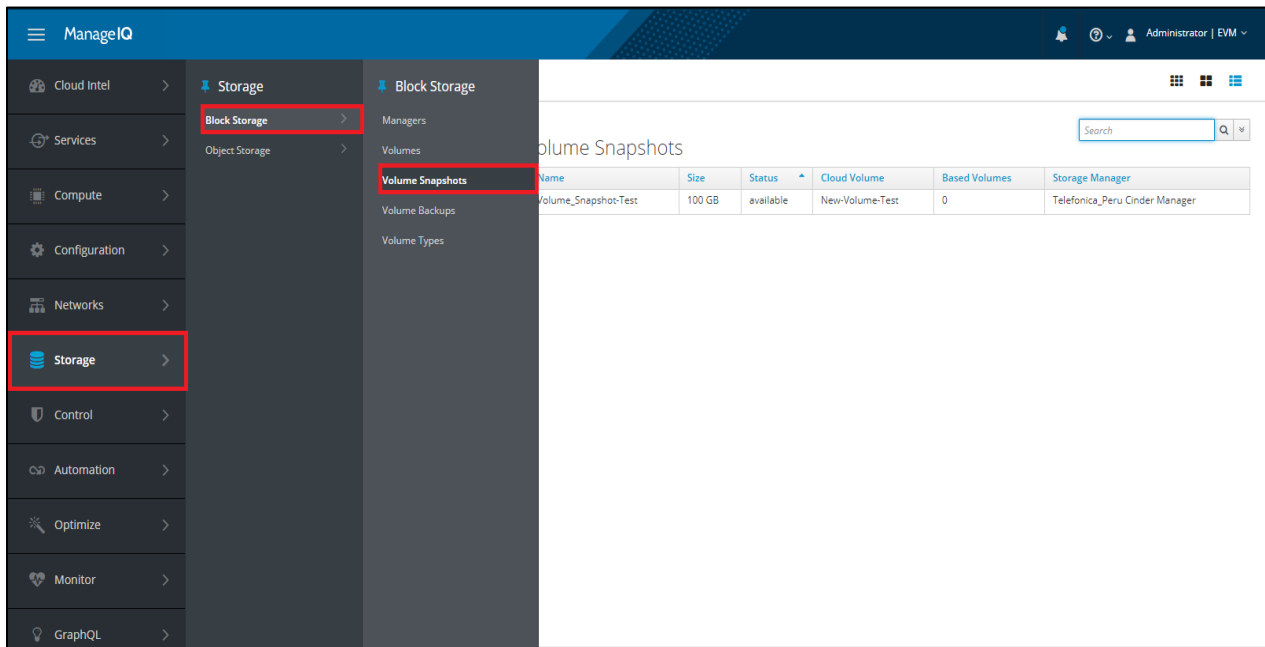
Cloud Volumes

	Name	Size	Status	Type	Bootable?	Availability Zone	Storage Manager
<input type="checkbox"/>	DND_c2c_miq_neha	50 GB	in-use	SATA	True	sa-brazil-1a	Telefonica_demo Cinder Manager
<input type="checkbox"/>	c2c-QA-Aashish	40 GB	in-use	SATA	True	sa-brazil-1a	Telefonica_demo Cinder Manager
<input type="checkbox"/>	C2C-CB	60 GB	in-use	SATA	True	sa-brazil-1a	Telefonica_demo Cinder Manager
<input type="checkbox"/>	ECS-Test-01	40 GB	in-use	SATA	True	sa-peru-1b	Telefonica_Peru Cinder Manager



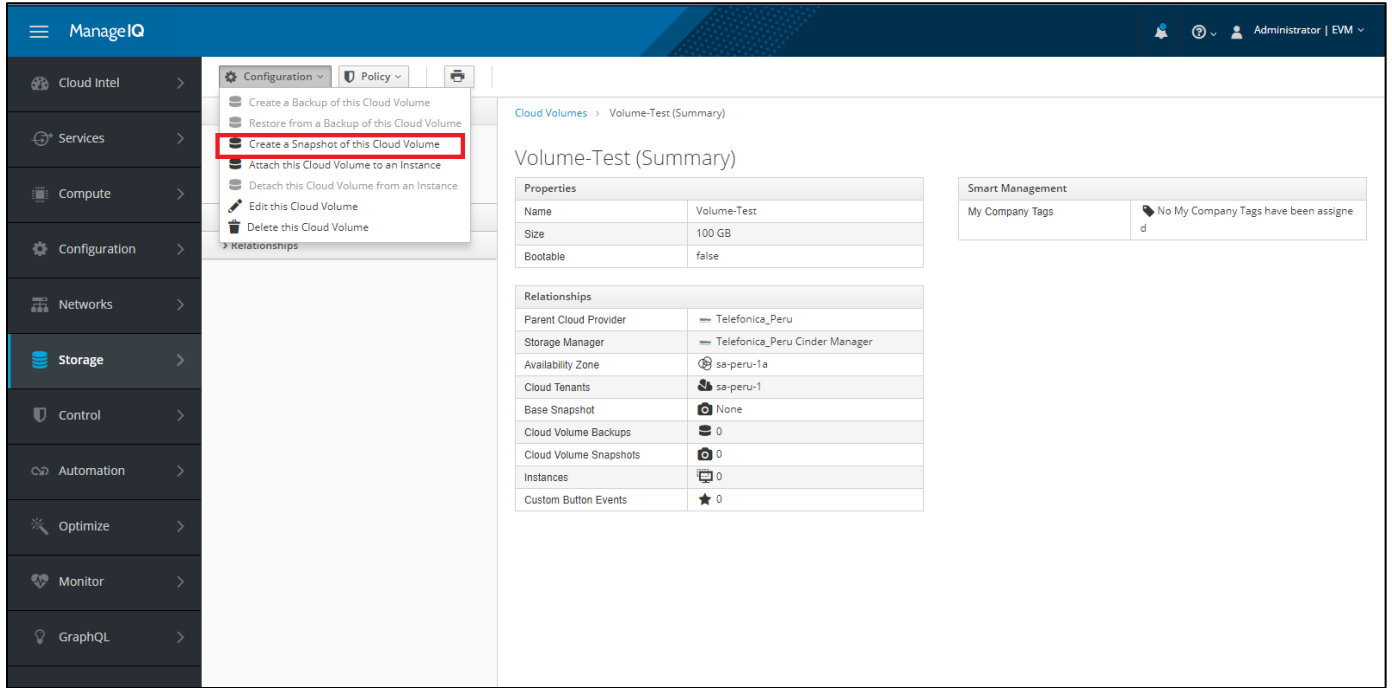
Volume Snapshot

Go to **Storage ->Block Storage ->Volume Snapshot**, here you can see the list of snapshots, get the detailed information of snapshots and delete cloud volume snapshots.

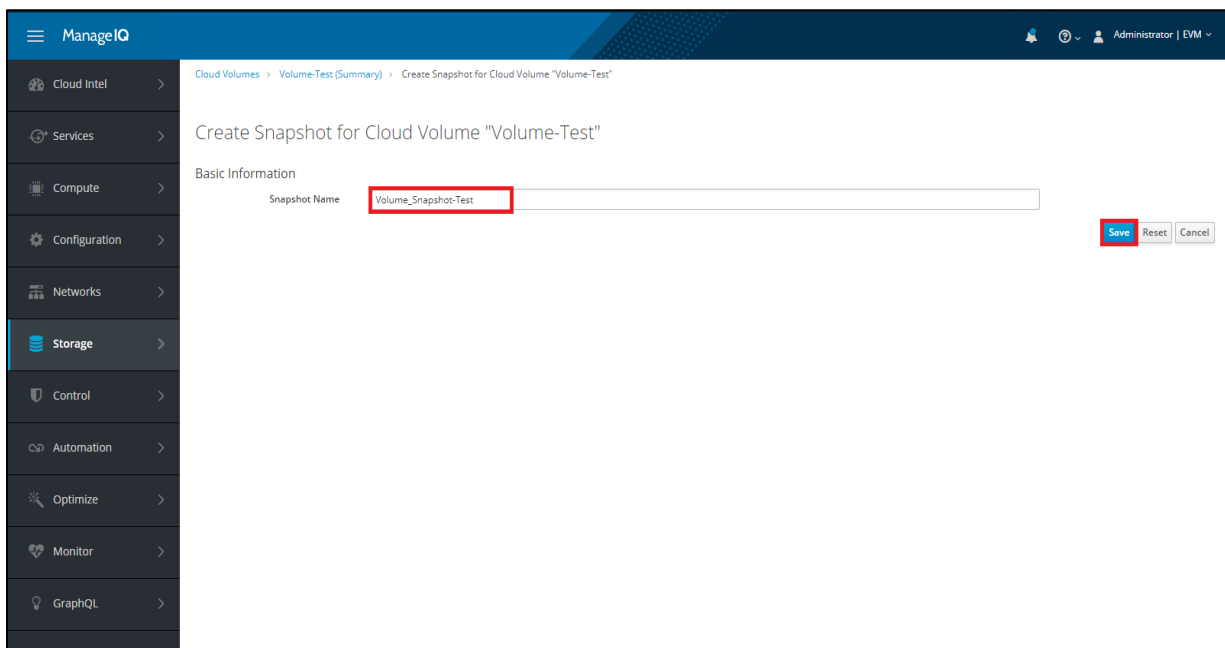


Create Volume Snapshot

Go to **Storage ->Block Storage ->Volumes**. Here you can create volume snapshot, select a volume and go to **Configuration** and select option **Create a Snapshot to this Cloud Volume**, as shown in below image.

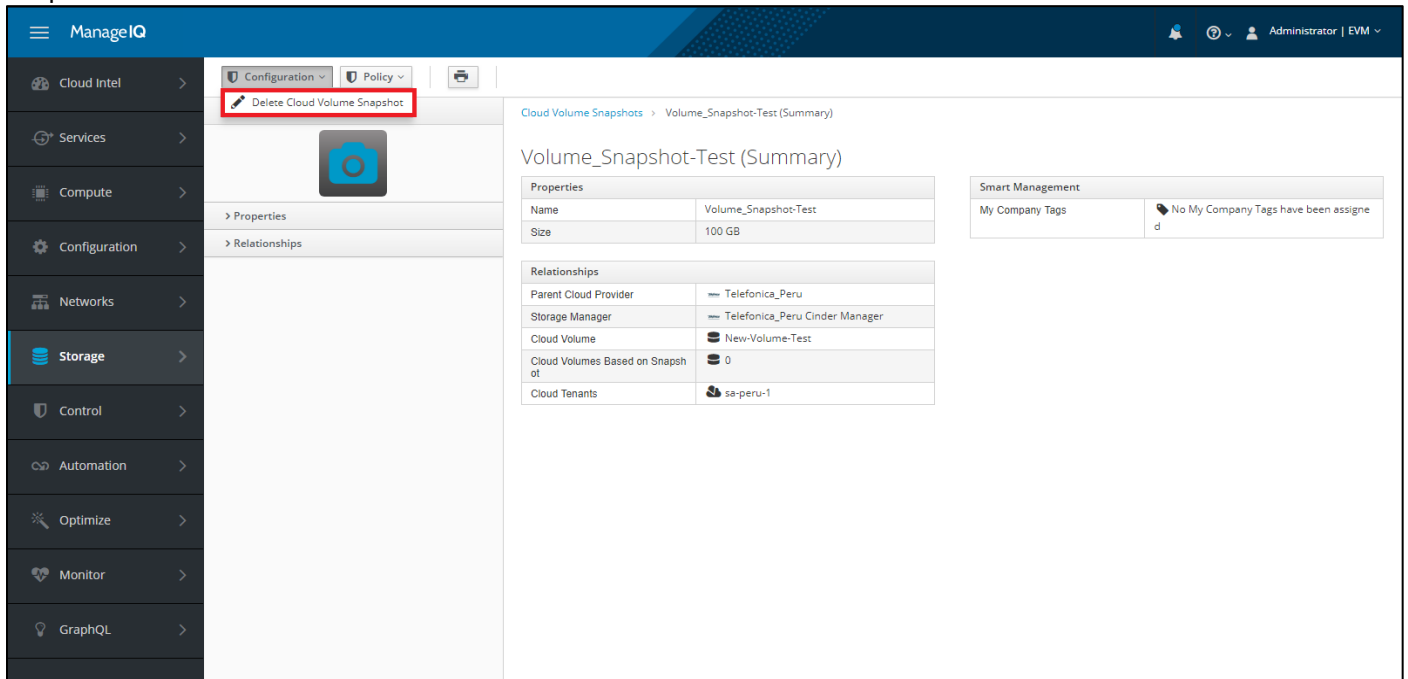


After that give a Snapshot name and click on **Save** button, Snapshot will be created successfully.



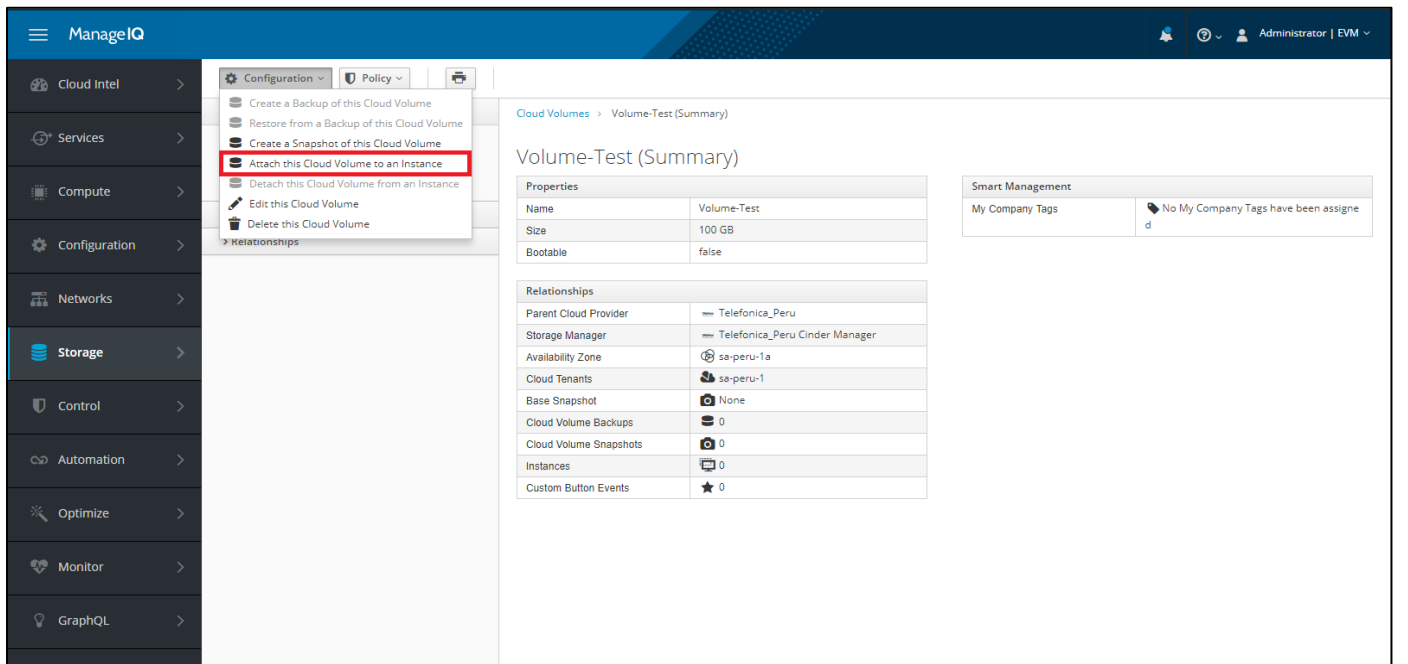
Delete Snapshot

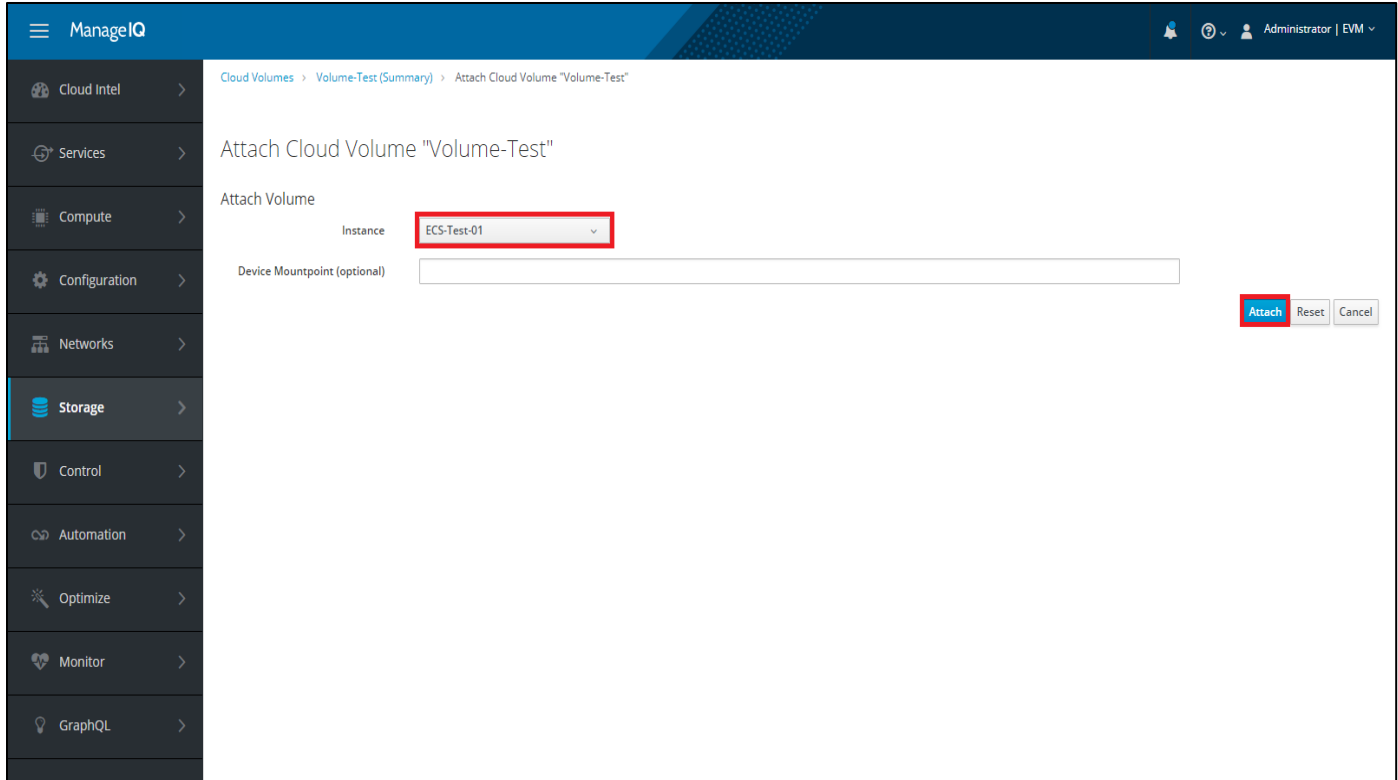
Go to **Storage ->Block Storage ->Volume Snapshot**, here you can delete cloud volume snapshots.



Attach Volume to VM

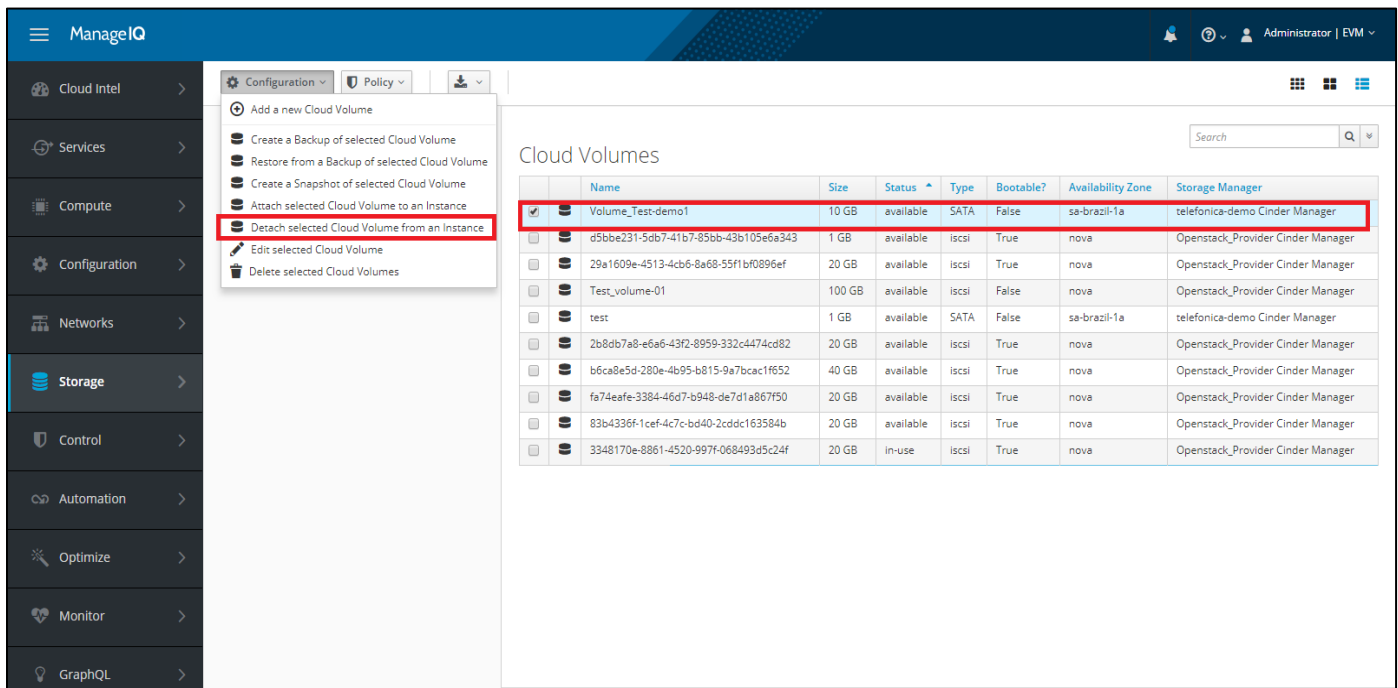
Go to **Storage ->Block Storage ->Volumes ->** Here you can attach volume to any instance, select a volume and go to **Configuration** and select option **Attach this cloud Volume to an Instance** as shown in below image.

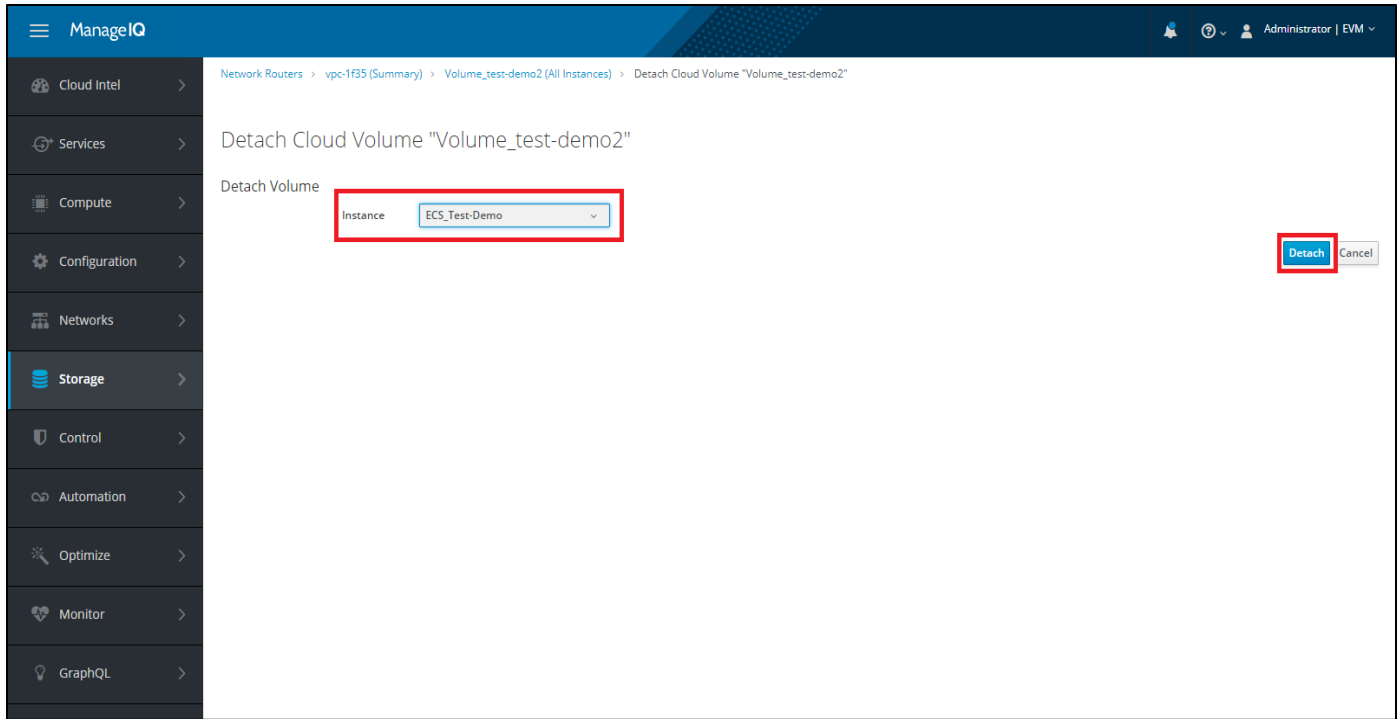




Detach Volume from VM

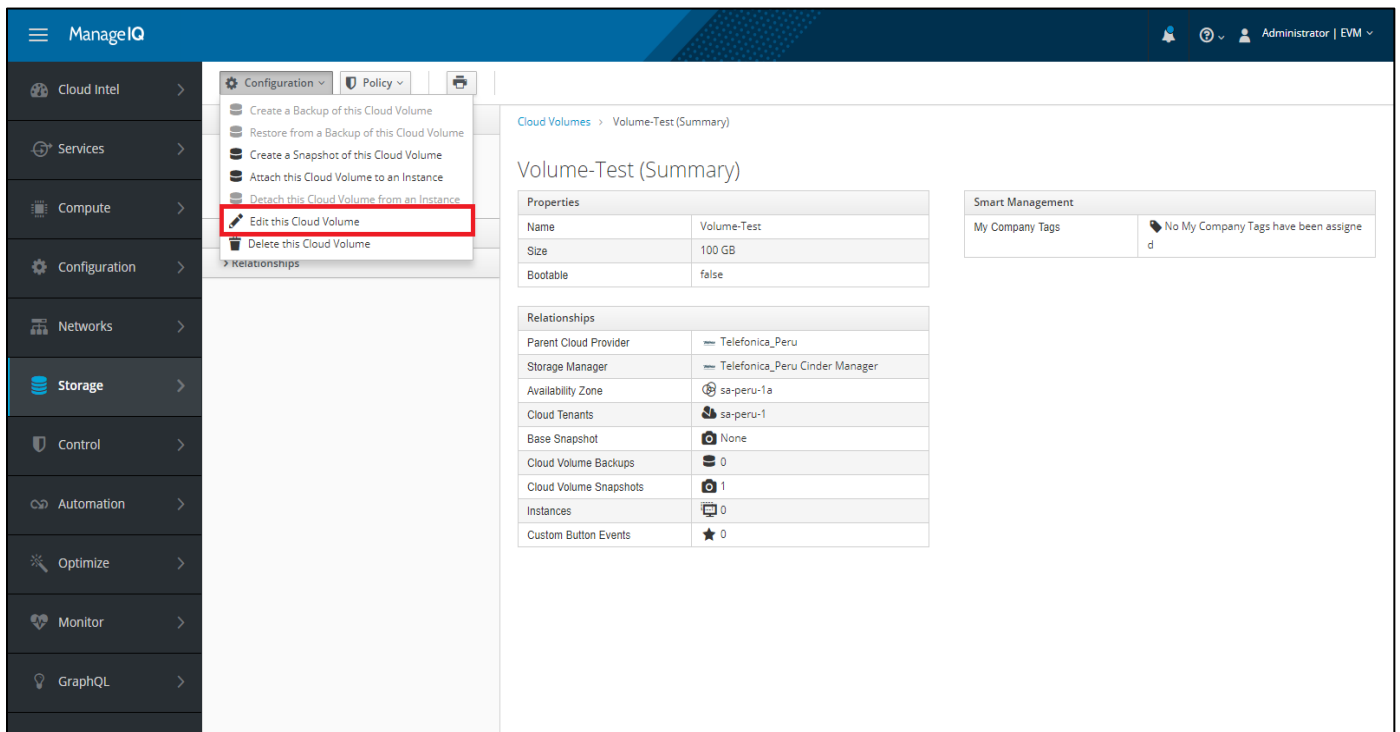
Go to **Storage ->Block Storage ->Volumes**. Here you can Detach volume from an instance, select a volume and go to **Configuration** and select option **Detach Selected Cloud Volume from an Instance** as shown in below image.

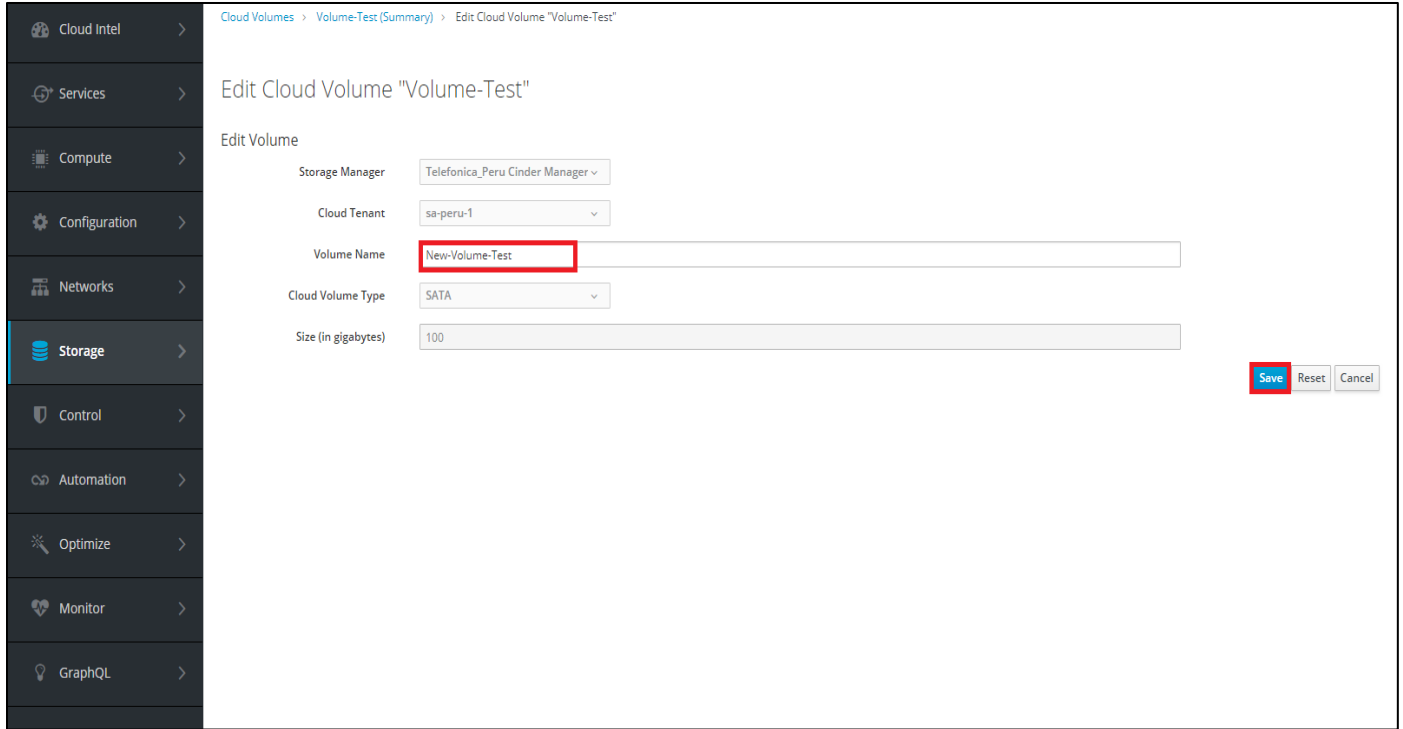




Edit Cloud Volume

Go to **Storage ->Block Storage ->Volumes**. Here you can edit cloud volume, select a volume and go to **Configuration** and select option **Edit this Cloud Volume**, as shown in below image.





Delete Volume

Go to **Storage ->Block Storage ->Volumes**. Here you can Delete Cloud Volume, select a volume and go to **Configuration** and select option **Delete Selected Cloud Volumes**, as shown in below image.

