

# How to create a virtual router

## Objectives

- What is a virtual router?
- Create a virtual router
- Configure the virtual router

# What is virtual router?

A virtual router is needed to route between different virtual networks, for access to the internet and to be able to assign floating IPs to instances.

To create a virtual router, you need to log into the Cloud dashboard. Then click on the **Network** dropdown menu on the left hand side of the screen, then select the **Routers** item.



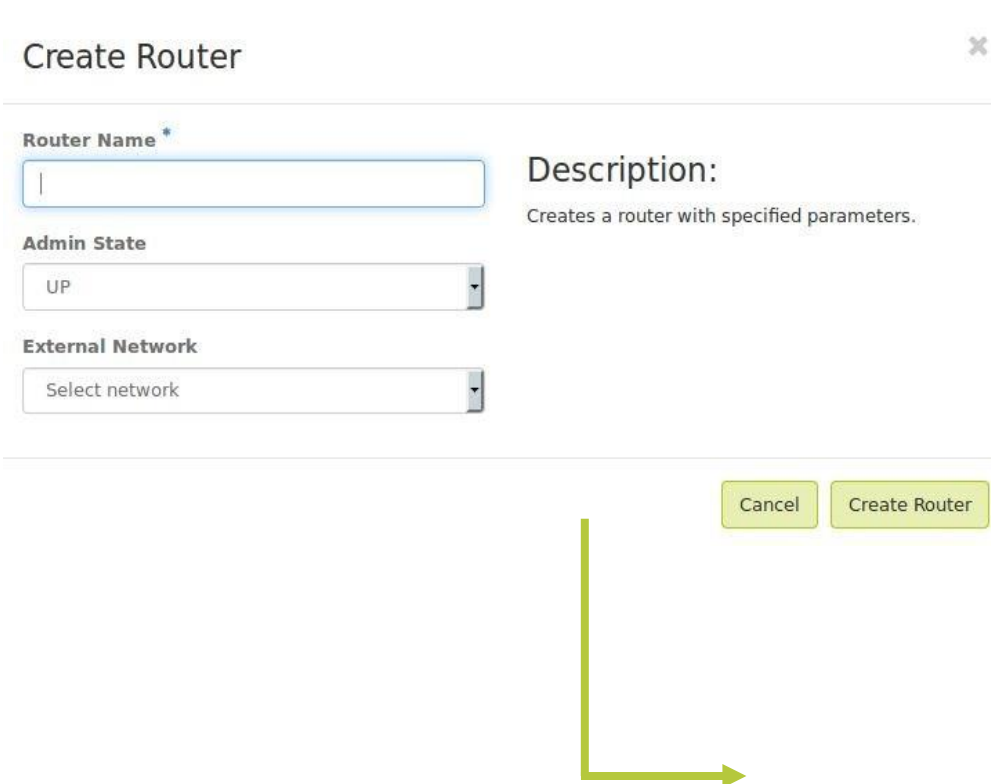
The screenshot shows the 'Routers' page in a cloud dashboard. On the left is a navigation sidebar with categories: Project, Compute, Network (expanded), Routers (selected), Load Balancers, Orchestration, and Identity. The main content area is titled 'Routers' and features a search filter, '+ Create Router' and 'Delete Routers' buttons, and a table with one router entry.

<input type="checkbox"/>	Name	Status	External Network	Admin State	Actions
<input type="checkbox"/>	TrainingRouter1	Active	Public	UP	Clear Gateway

Displaying 1 item

# Create a virtual router

Click the **Create Router** button in the top left-hand side of the screen. This will display a popup screen where you will setup your new router details.



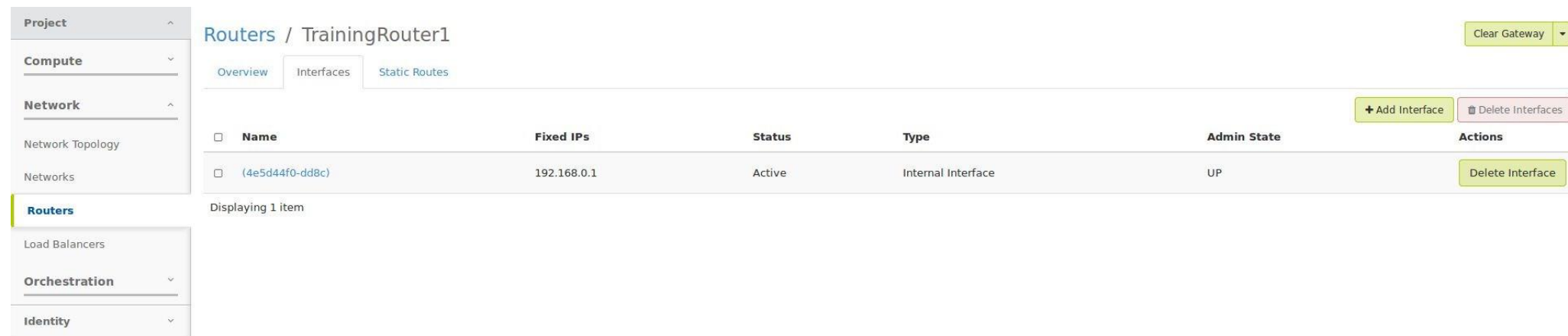
Enter the **Router Name**.

Select the **External Network** dropdown and select the public network to connect your router to the internet.

The **Cancel** button will close the popup screen.

# Create a virtual router.

To add a network to your router click on the router name on the router page and select the interfaces tab. Click the **Add Interface** button.



Project ^

Compute v

Network ^

Network Topology

Networks

**Routers**

Load Balancers

Orchestration v

Identity v

Routers / TrainingRouter1 Clear Gateway v

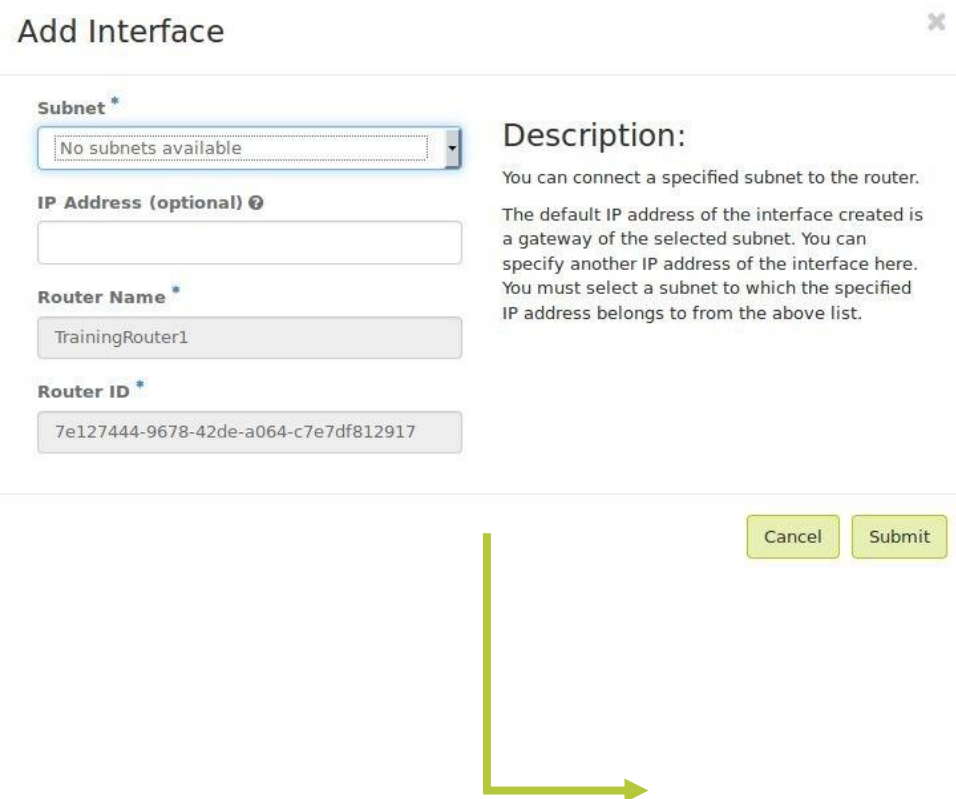
Overview Interfaces Static Routes

<input type="checkbox"/>	Name	Fixed IPs	Status	Type	Admin State	Actions
<input type="checkbox"/>	(4e5d44f0-dd8c)	192.168.0.1	Active	Internal Interface	UP	<span>+ Add Interface</span> <span>Delete Interfaces</span> <span>Delete Interface</span>

Displaying 1 item

# Create a virtual router.

You will see a **Add Interface** popup screen on your screen.



Select the **Subnet** from the dropdown menu for you router to work on.

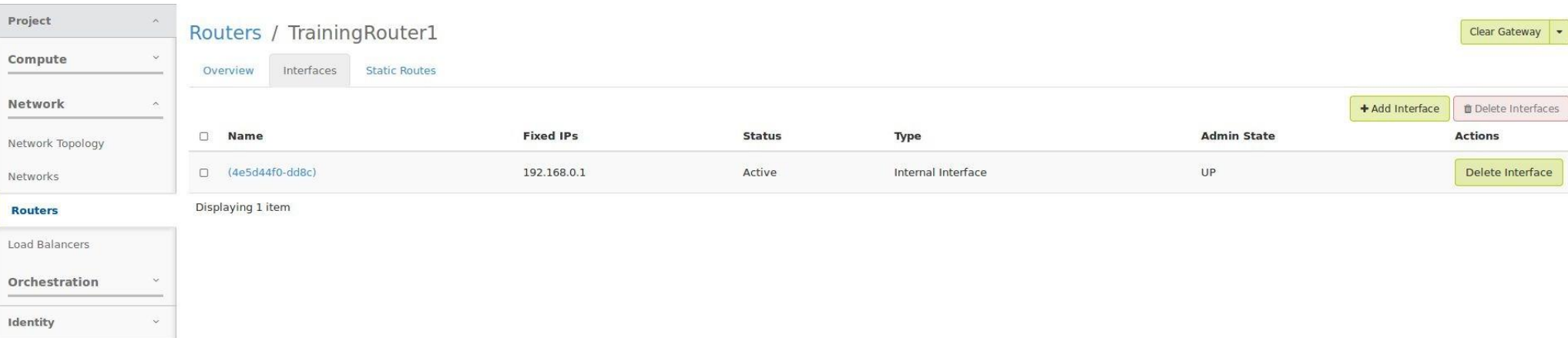
Enter the **IP address** for your router then click the **Add Interface** button.

Then **Cancel** button will close the popup screen.

# Create a virtual router.

After adding an interface, you will be redirected to the **Router Details** page.

Ensure that your new interface is displayed in the list.



The screenshot shows the 'Router Details' page for 'TrainingRouter1'. The 'Interfaces' tab is selected, displaying a table with one interface. The table has columns for Name, Fixed IPs, Status, Type, Admin State, and Actions. The interface listed is '(4e5d44f0-dd8c)' with Fixed IPs '192.168.0.1', Status 'Active', Type 'Internal Interface', and Admin State 'UP'. The Actions column contains a 'Delete Interface' button. Above the table are buttons for '+ Add Interface' and 'Delete Interfaces'. A 'Clear Gateway' dropdown is also visible in the top right corner.

<input type="checkbox"/>	Name	Fixed IPs	Status	Type	Admin State	Actions
<input type="checkbox"/>	(4e5d44f0-dd8c)	192.168.0.1	Active	Internal Interface	UP	Delete Interface

# Create a virtual router.

Let's review the current network setup. Click on the **Network** dropdown menu on the left hand side of the screen, then select the **Network Topology** item.



Project ^

Compute v

**Network** ^

Network Topology

Networks

**Routers**

Load Balancers

Orchestration v

Identity v

## Routers

Filter:  Q [+ Create Router](#) [Delete Routers](#)

<input type="checkbox"/>	Name	Status	External Network	Admin State	Actions
<input type="checkbox"/>	TrainingRouter1	Active	Public	UP	<a href="#">Clear Gateway</a> v

Displaying 1 item

# Thank you

For Support log a call at:  
[support@wingu.co.za](mailto:support@wingu.co.za)