

# How to create a virtual network

## Objectives

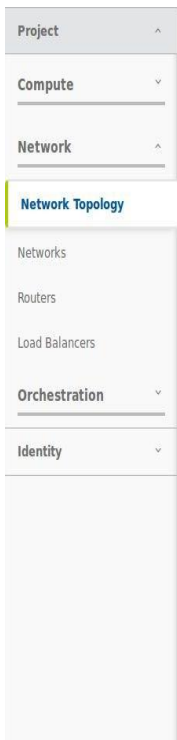
- What is a virtual network?
- Create a virtual network
- Set-up your virtual network

# How to create a virtual

A virtual network is the layer to which you connect your virtual infrastructure. This functions exactly like a physical network.

To create a virtual network you need to login to the Cloud dashboard.

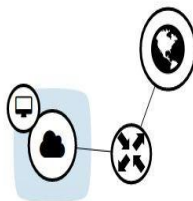
Then click on the **Network** dropdown menu on the left hand side of the screen, then select the **Network Topology** item.



## Network Topology

Resize the canvas by scrolling up/down with your mouse/trackpad on the topology. Pan around the canvas by clicking and dragging the space behind the topology.

Toggle labels  Toggle Network Collapse



This screen presents your network configuration in a diagram view. By default, only a public network is created

# Create a virtual network



A subnet is an identifiably separate part of an organization's network. Typically, a subnet may represent all the machines at one geographic location, in one building, or on the same LAN

## Create Network

Network Subnet Subnet Details

### Subnet Name

### Network Address

### IP Version

### Gateway IP

Disable Gateway

Creates a subnet associated with the network. You need to enter a valid "Network Address" and "Gateway IP". If you did not enter the "Gateway IP", the first value of a network will be assigned by default. If you do not want gateway please check the "Disable Gateway" checkbox. Advanced configuration is available by clicking on the "Subnet Details" tab.

Cancel

« Back

Next »

Enter your desired name in the **Subnetwork Name** field. Enter the base IP address range in the **Network Address** field. Select the **IP Version** as IPv4. Enter the **Gateway IP** to enable outbound networking. Click the **Next** button to configure more details on the subnet.

# Set-up your virtual network



In this step you can provide more details for the functionality of the network.

### Create Network ✕

Network Subnet **Subnet Details**

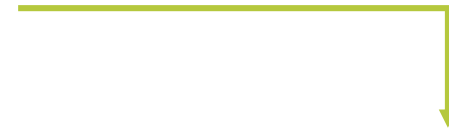
**Enable DHCP** Specify additional attributes for the subnet.

**Allocation Pools** ⓘ

**DNS Name Servers** ⓘ

8.8.8.8  
8.8.4.4

**Host Routes** ⓘ



For our purposes, only ensure that **Enable DHCP** is checked. Enter **DNS Name Servers** IP addresses to enable the network to translate names to IPs. Then click the **Create** button. This will now start the process in the background to create the new network.

# Set-up your virtual network



When done, your new network will be shown the diagram view.

The screenshot displays the 'Network Topology' interface. On the left is a sidebar with a navigation menu containing 'Project', 'Compute', 'Network', 'Network Topology' (highlighted), 'Networks', 'Routers', 'Load Balancers', 'Orchestration', and 'Identity'. The main content area is titled 'Network Topology' and includes instructions: 'Resize the canvas by scrolling up/down with your mouse/trackpad on the topology. Pan around the canvas by clicking and dragging the space behind the topology.' Below the instructions are two buttons: 'Toggle labels' and 'Toggle Network Collapse'. On the right side of the interface, there are three buttons: 'Launch Instance', 'Create Network', and 'Create Router'. At the bottom center, there is a network diagram icon showing a cloud, a server, a router, and a globe connected by lines.

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

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