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## Create an Azure Load Balancer

Level: Intermediate

[Azure Virtual Machine](#)[Azure Virtual Network](#)[Azure](#)[Azure Load Balancer](#) 1h 51m 49s left[End Lab](#)[Open Console](#)[Validation](#)

### Lab Credentials

**User Name** ⓘ

labuser\_142282\_77422212@instructorwhizlabs.onmicrosoft.com

**Password** ⓘ

6%Wf&amp;N?39Ts12v

**Resource Group** ⓘ

rg\_westeurope\_142282\_1\_168975181033



### Lab Resources

No Lab Resources Found

### Support Documents

No Support Documents Found

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- How to use Hands on Lab
- Troubleshooting Lab
- FAQs

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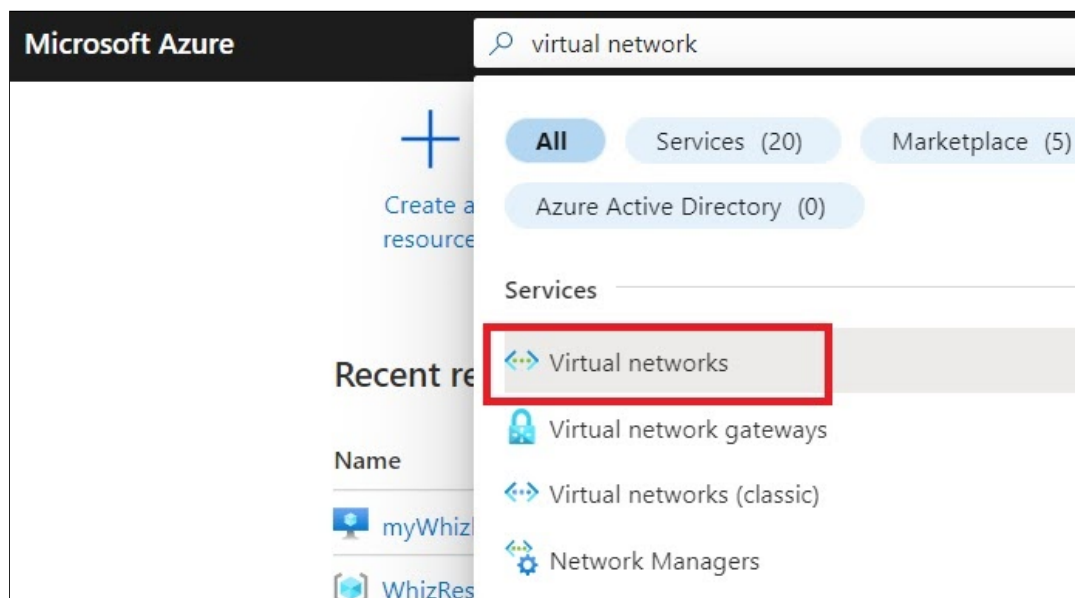
 Azure Solutions Architect, Azure Network Engineer Associate

 Compute, Networking

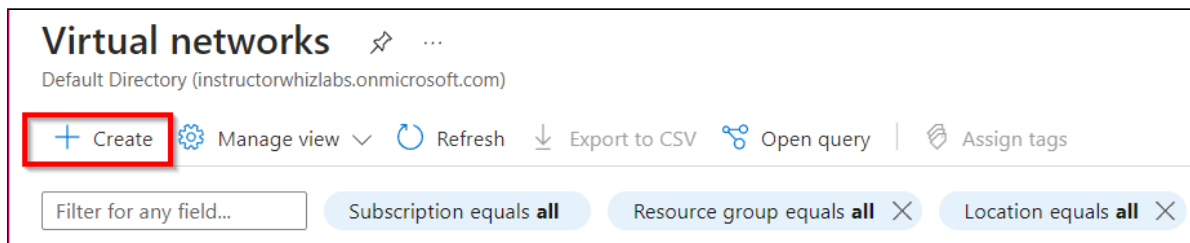
## — Create a Virtual Network (UI1)


### Task: Create a Virtual Network

1. At the top of the Azure portal, in the search box, enter **Virtual network**. Select **Virtual Networks** in the search results.










2. In **Virtual networks**, select **+ Create**.



**Virtual networks**  ...

Default Directory (instructorwhizlabs.onmicrosoft.com)

**+ Create**  Manage view  Refresh  Export to CSV  Open query |  Assign tags

Filter for any field... Subscription equals **all** Resource group equals **all**  Location equals **all** 

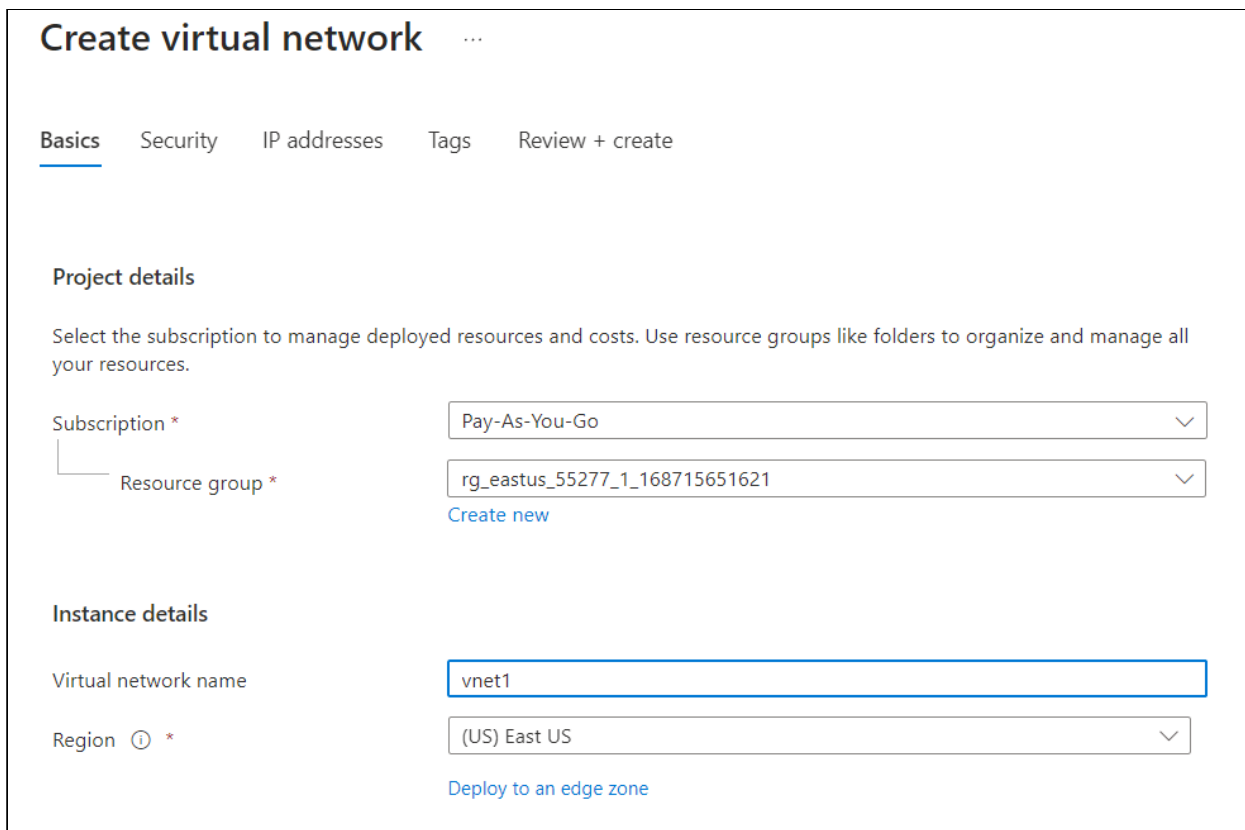
3. In **Create virtual network** page, enter or select the following information in the **Basics** tab:

Resource group : Select **rg\_eastus\_XXXXX**

Instance details :

Name : Enter **vnet1**

Region : Select **East US**



**Create virtual network** ...

**Basics** Security IP addresses Tags Review + create

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Resource group \*  [Create new](#)

**Instance details**

Virtual network name

Region ⓘ \*  [Deploy to an edge zone](#)

4. Select the **IP Addresses** tab or click on the **Next: IP Addresses** button at the bottom of the page. In the **IP Addresses** tab, click on **Add IP address space** and enter this information:

Address space type : Select **IPv4**

Starting address : Enter **10.0.0.0**

Address space size : Select **/16**

Click **Add**.

### Add an IP address space ✕

The address space for a virtual network has one or more non-overlapping address ranges. It is recommended to use private (RFC 1918), shared (RFC 6598), or local (RFC 4193) address ranges. [Learn more.](#)

Address space type ⓘ ☒ IPv4 ☐ IPv6

Starting address ⓘ \*

Address space size ⓘ \*

IP address space ⓘ 10.0.0.0 - 10.0.255.255 (65536 addresses)

In **Add a subnet** section, enter the following information :

IP address space : Select **10.0.0.0/16**

Subnet template : Select **default**

Name : **default**

Subnet Address range: Enter **10.1.0.0/24**

NAT gateway: Leave the defaults

Service gateway: Leave the defaults

Click on **Save**.

### Add a subnet ✕

Select an address space and configure your subnet. You can customize a default subnet or select from subnet templates if you plan to add select services later. [Learn more](#)

IP address space ⓘ

10.0.0.0/16

10.0.0.0 - 10.0.255.255 (65536 addresses)

#### Subnet details

Subnet template ⓘ

Default

Name \* ⓘ

default2

Starting address \* ⓘ

10.0.1.0

Subnet size ⓘ

/24 (256 addresses)

IP address space ⓘ

10.0.1.0 - 10.0.1.255 (256 addresses)

#### Security

Simplify internet access for virtual machines by using a network address translation gateway. Filter subnet traffic using a network security group. [Learn more](#)

NAT gateway ⓘ

None

[Create new](#)

Network security group ⓘ

None

Add

Cancel

**Note:** The IP address may already exist there. Then no need to enter the IP.

## Create virtual network ...

Basics Security IP addresses Tags Review + create

Configure your virtual network address space with the IPv4 and IPv6 addresses and subnets you need. [Learn more](#)

Define the address space of your virtual network with one or more IPv4 or IPv6 address ranges. Create subnets to segment the virtual network address space into smaller ranges for use by your applications. When you deploy resources into a subnet, Azure assigns the resource an IP address from the subnet. [Learn more](#)

Add an IP address space

10.0.0.0/16

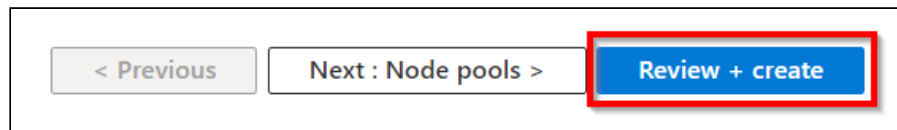
+ Add a subnet

10.0.0.0 - 10.0.255.255 (65536 addresses)

Subnets	IP address range	Size	NAT gateway
default	10.0.0.0 - 10.0.0.255	/24 (256 addresses)	-

A NAT gateway is recommended for outbound internet access from subnets. Edit the subnet to add a NAT gateway. [Learn more](#)

5. Leave all the settings as default and select the **Review + Create** button and then click on **Create**. This step may take a few minutes.



6. You will now see a page displaying **Your deployment is complete**.

### Your deployment is complete



Deployment name: Microsoft.VirtualNetwork-20220201152248  
Subscription: [Pay-As-You-Go](#)  
Resource group: [WhizResourceGroup\\_ananya](#)

Start time: 2/1/2022, 3:24:34 PM

Correlation ID: 98dd1cb8-978e-479b-b832-da3e19a62d0d

Deployment details [\(Download\)](#)

Next steps

[Go to resource](#)

+ Create a Virtual Network (UI 2)



**Create a Virtual Network (UI 3)****Still your query is not resolved?**

If you are facing any trouble in the lab, we would be happy to help. Submit your query.

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