

AbhinavGupta-10747883-Weeklyassessment2

Ans1.

1. First Create a resource group

Home > Resource groups >

Create a resource group

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription * ⓘ Pay-As-You-Go

Resource group * ⓘ Weekly-test ✓

Resource details

Region * ⓘ (Europe) France Central

Review + create < Previous Next : Tags >

2. Now create a new virtual machine in Central France.

Home > Virtual machines >

Create a virtual machine

⚠ Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Virtual machine name * ⓘ ubuntu ✓

Region * ⓘ (Europe) France Central

Availability options ⓘ Availability zone

Zone options ⓘ

☒ Self-selected zone
Choose up to 3 availability zones, one VM per zone

☐ Azure-selected zone (Preview)
Let Azure assign the best zone for your needs

Availability zone * ⓘ Zone 1

< Previous Next : Disks > Review + create

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3. Now create a 8gb disk and attach it.

Create a new disk ...

Create a new disk to store applications and data on your VM. Disk pricing varies based on factors including disk size, storage type, and number of transactions. [Learn more](#)

Name *	<input type="text" value="ubuntu_DataDisk_0"/>
Source type * ⓘ	<input type="text" value="None (empty disk)"/>
Size * ⓘ	<div>8 GiB (P2 performance tier)</div> <div>Premium SSD LRS</div> <div>Change size</div>
Key management ⓘ	<input type="text" value="Platform-managed key"/>
Enable shared disk	<input type="radio"/> Yes <input checked="" type="radio"/> No
Delete disk with VM	<input checked="" type="checkbox"/>

OK

Data disks for ubuntu

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM ⓘ	
0	ubuntu_DataDisk_0	8	Premium SSD LRS	Read-only ▾	<input checked="" type="checkbox"/>	

[Create and attach a new disk](#) [Attach an existing disk](#)

4. Finally create the VM

Delete Cancel Redeploy Download Refresh

✓ Your deployment is complete



Deployment name: CreateVm-canonical.ubuntu-24_0...
 Subscription: [Pay-As-You-Go](#)
 Resource group: [Weekly-test](#)

Start time: 9/27/2024, 2:42:07 PM
 Correlation ID: b7caddf9-8dd8-42a1-a99a-

Deployment details

Next steps

[Setup auto-shutdown](#) Recommended

[Monitor VM health, performance and network dependencies](#) Recommended

[Run a script inside the virtual machine](#) Recommended

Go to resource

Create another VM

Give feedback

5. After deployment you can see the machine and the attached 8gb disk.

```
azureuser@weekly:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sda          8:0    0   8G  0 disk
sdb          8:16    0  30G  0 disk
├─sdb1       8:17    0  29G  0 part /
├─sdb14      8:30    0   4M  0 part
├─sdb15      8:31    0 106M  0 part /boot/efi
└─sdb16     259:0    0 913M  0 part /boot
sdc          8:32    0  16G  0 disk
└─sdc1       8:33    0  16G  0 part /mnt
sr0         11:0    1 628K  0 rom
azureuser@weekly:~$
```

Ans 2. Create a new Resource Group

Home > Resource groups >

Create a resource group ...

Basics

Tags

Review + create

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Project details

Subscription * ⓘ

Pay-As-You-Go

Resource group * ⓘ

WeeklyGroup ✓

Resource details

Region * ⓘ

(US) East US

Review + create

< Previous

Next : Tags >

2. Now create a new Virtual network

Create virtual network ...

Basics Security IP addresses Tags Review + create

Subscription *
Resource group *
[Create new](#)

Pay-As-You-Go
WeeklyGroup

Instance details

Virtual network name *
Region * ⓘ

Vnet
(US) East US

Previous Next Review + create

Now create a new subnet

Create virtual network ...

Basics Security IP addresses Tags Review + create

10.0.0.0 - 10.0.255.255 65,536 addresses

+ Add a subnet

Subnets	IP address range	Size	NAT gateway
default	10.0.0.0 - 10.0.0.255	/24 (256 addresses)	-
web-subnet	10.0.1.0 - 10.0.1.255	/24 (256 addresses)	-

Now create a Load balancer

[Home](#) > [Load balancing | Load Balancer](#) >

Create load balancer ...

Project details

Subscription *

Resource group *
[Create new](#)

Instance details

Name * ✓

Region *

SKU * ⓘ ☒ Standard (Recommended)
☐ Gateway
☐ Basic (Retiring soon)

[Review + create](#)

[< Previous](#)

[Next : Frontend IP configuration >](#)

[Download a template for automation](#) [Give feedback](#)

Configure the network setting in here as well

[Home](#) > [Load balancing | Load Balancer](#) >

Create load balancer ...

Basics **Frontend IP configuration** Backend pools Inbound rules Outbound rules Tags Resource groups

A frontend IP configuration is an IP address used for inbound and/or outbound communication as defined within load balancer.

[+ Add a frontend IP configuration](#)

Name ↑↓	IP address
Add a frontend IP to get started	

Add frontend IP configuration

weeklyload

Name *

IP version ☒ IPv4 ☐ IPv6

IP type ☒ IP address ☐ IP prefix

Public IP address *
[Create new](#)

Gateway Load balancer ⓘ

[Save](#) [Cancel](#) [Give feedback](#)

Add backend pool ...

Name *

Virtual network ⓘ

Backend Pool Configuration ☒ NIC ☐ IP address

IP configurations

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

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[Download a template for automation](#) [Give feedback](#)