

13. creating a virtual machine process

The image shows two screenshots of the Microsoft Azure portal. The top screenshot is the 'Create a resource' page, which displays a search bar, a list of categories on the left, and two columns of popular services and marketplace products. The bottom screenshot is the 'Resource group' page, which shows the 'Resource group' service card with a 'Create' button, followed by an 'Overview' section with descriptive text and a 'More products from Microsoft' section with four service cards.

Top Screenshot: Create a resource - Microsoft Azure

URL: portal.azure.com/#create/hub

Search: Search resources, services, and docs (G+)

Home > Create a resource

Get Started Search services and marketplace [Getting Started? Try our Quickstart center](#)

Recently created

Categories

- AI + Machine Learning
- Analytics
- Blockchain
- Compute
- Containers
- Databases
- Developer Tools
- DevOps
- Identity
- Integration
- Internet of Things
- IT & Management Tools
- Media
- Migration
- Mixed Reality

Popular Azure services [See more in All services](#)

- Virtual machine**
[Create](#) | [Docs](#) | [MS Learn](#)
- Web App**
[Create](#) | [Docs](#) | [MS Learn](#)
- SQL Database**
[Create](#) | [Docs](#) | [MS Learn](#)
- Function App**
[Create](#) | [Docs](#)
- Key Vault**
[Create](#) | [Docs](#) | [MS Learn](#)
- Data Factory**
[Create](#) | [Docs](#) | [MS Learn](#)
- Template deployment (deploy using custom templates)**
[Create](#) | [Docs](#) | [MS Learn](#)
- Logic App**

Popular Marketplace products [See more in Marketplace](#)

- Windows Server 2019 Datacenter**
[Create](#) | [Learn more](#)
- Windows 10 Pro, version 21H2**
[Create](#) | [Learn more](#)
- Windows 11 Pro, version 21H2**
[Create](#) | [Learn more](#)
- Ubuntu Server 20.04 LTS**
[Create](#) | [Learn more](#)
- Ubuntu Server 22.04 LTS**
[Create](#) | [Learn more](#)
- Windows 7 Enterprise**
[Create](#) | [Learn more](#)
- Ubuntu Server 18.04 LTS**
[Create](#) | [Learn more](#)
- Red Hat Enterprise Linux 7.4**

Bottom Screenshot: Resource group - Microsoft Azure

URL: portal.azure.com/#view/Microsoft_Azure_Marketplace/GalleryItemDetailsBladeNopdl/id/Microsoft.ResourceGroup/selectionMode~/false/resourceGroup...

Home > Create a resource > Marketplace > Resource group

Resource group [Add to Favorites](#)

Microsoft | Azure Service

★ 4.5 (16 ratings)

Plan: Resource group [Create](#)

Overview Plans Usage Information + Support Ratings + Reviews

Resource groups enable you to manage all your resources in an application together. Resource groups are enabled by Azure Resource Manager. Resource Manager allows you to group multiple resources as a logical group which serves as the lifecycle boundary for every resource contained within it. Typically a group will contain resources related to a specific application. For example, a group may contain a Website resource that hosts your public website, a SQL Database that stores relational data used by the site, and a Storage Account that stores non-relational assets.

More products from Microsoft [See All](#)

- Active Directory Health Check**
Microsoft
Azure Service
Assess the risk and health of Active Directory.
- AD Replication Status**
Microsoft
Azure Service
Identify Active Directory replication issues in your environment.
- Device Update for IoT Hub**
Microsoft
Azure Service
Securely and Reliably update your devices with Device Update for IoT.
- Front Door and CDN profiles**
Microsoft
Azure Service
Azure Front Door and CDN profiles is security led, modern cloud CDN that

Home > Create a resource > Marketplace > Resource group >

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 * Azure for Students

Resource group * cloudPlatforms

Resource details

Region * (US) East US

Review + create < Previous Next : Tags >

Create a resource group

Validation passed.

Basics Tags Review + create

Basics

Subscription Azure for Students

Resource group cloudPlatforms

Region East US

Tags

None

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Resource group - Microsoft Azure

portal.azure.com/#view/Microsoft_Azure_Marketplace/GalleryItemDetailsBladeNopd/Id/Microsoft.ResourceGroup/selectionMode~/false/resourceGroup...

Microsoft Azure Search resources, services, and docs (G+)

Home > Create a resource > Marketplace

Resource group

Microsoft

Plan: Resource group [Create](#)

Overview Plans Usage Information + Support Ratings + Reviews

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More products from Microsoft [See All](#)

Active Directory Health Check

Microsoft

Azure Service

Assess the risk and health of Active Directory environments.

AD Replication Status

Microsoft

Azure Service

Identify Active Directory replication issues in your environment.

Device Update for IoT Hub

Microsoft

Azure Service

Securely and Reliably update your devices with Device Update for IoT

Front Door and CDN profiles

Microsoft

Azure Service

Azure Front Door and CDN profiles is security led, modern cloud CDN that

Marketplace - Microsoft Azure

portal.azure.com/#view/Microsoft_Azure_Marketplace/MarketplaceOffersBlade/selectedMenuItemId/home/dontDiscardJourney~/true/resourceGroup/%...

Home > cloudPlatforms

Marketplace

Get Started

Service Providers

Management

Private Marketplace

Private Offer Management

My Marketplace

Favorites

Recently created

Private products

Categories

Compute (2993)

IT & Management Tools (2496)

Security (2179)

Analytics (1808)

virtu

virtual machine

virtual network

virtual

virtualization

Azure SQL

Free account virtual machine

SendGrid

SaaS

Reliable email delivery, at scale.

Wipro Ltd

Managed Services

Azure Active Directory powered fully managed IAM service offering.

Speech to text

Celeb Technologies Private Lim...

SaaS

Speech language test

CentOS 7

ProComputers

Virtual Machine

Minimal CentOS 7 image. Fully compatible with its upstream source. RHEL 7, Cloud-init included.

Kali Linux

Kali Linux

Virtual Machine

The Most Advanced Penetration Testing Distribution. Ever.

Bring your own license

Trending now

Is Marketplace helpful?

Virtual machine - Microsoft Azure

portal.azure.com/#view/Microsoft_Azure_Marketplace/GalleryItemDetailsBladeNopd/Id/Microsoft.VirtualMachine/selectionMode~/false/resourceGroup...


Microsoft Azure

Search resources, services, and docs (G+)

Home > cloudPlatforms > Marketplace >

Virtual machine

Microsoft



Virtual machine [Add to Favorites](#)

Microsoft | Azure Service

★ 4.6 (100 ratings)

Plan

Virtual machine


Create


Overview Plans Usage Information + Support Ratings + Reviews


With support for Linux, Windows Server, SQL Server, Oracle, IBM, and SAP, Azure Virtual Machines give you the flexibility of virtualization for a wide range of computing solutions—development and testing, running applications, and extending your datacenter. It's the freedom of open-source software configured the way you need it. It's as if it was another rack in your datacenter, giving you the power to deploy an application in seconds instead of weeks.


Azure Virtual Machines support IBM, Oracle, Red Hat, SAP, SQL Server, Linux, and Windows Server

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Microsoft
Azure Service

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**Front Door and CDN profiles**
Microsoft
Azure Service

Create a virtual machine - Micro

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft Azure

Search resources, services, and docs (G+)

Home > cloudPlatforms > Marketplace > Virtual machine >

Create a virtual machine

Confirm password *

.....

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.


Public inbound ports *

☐ None

☒ Allow selected ports

Select inbound ports *

RDP (3389)

 This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Licensing

☒ I confirm I have an eligible Windows 10/11 license with multi-tenant hosting rights.

[Review multi-tenant hosting rights for Windows 10/11 compliance](#)

Review + create

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Next : Disks >

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Type here to search

34°C Haze

19:39

10-05-2023

Create a virtual machine - Micro...

portal.azure.com/#create/Microsoft.VirtualMachine

Microsoft Azure

Search resources, services, and docs (G+)

Home >

Create a virtual machine

Validation passed

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs.

Price

1 X Standard D2s v3
by Microsoft
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ☐
9,424.1 INR/hr
[Pricing for other VM sizes](#)

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

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CreateVm-MicrosoftWindowsDesktop

portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/_/overview/id/%2Fsubscriptions%2F8b6026fa-24c3-4ec9-a7ca-053251b6162a%2Fresou...

Microsoft Azure

Search resources, services, and docs (G+)

Home >

CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20230510194823 | Overview

Deployment

OverviewInputsOutputsTemplate

Search

DeleteCancelRedeployDownloadRefresh

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20230510194823

Subscription: Azure for Students

Resource group: cloudPlatforms

Start time: 5/10/2023, 7:51:17 PM

Correlation ID: eab78a6e-59c2-4a86-9042-c875c42270a7

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

[Tell us about your experience with deployment](#)

Deployment succeeded

Deployment 'CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20230510194823' to resource group 'cloudPlatforms' was successful.

Go to resource

Pin to dashboard

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34°C Haze 19:50 10-05-2023

exp13 - Microsoft Azure

portal.azure.com/#@nannuripavan93gmail.onmicrosoft.com/resource/subscriptions/8b6026fa-24c3-4ec9-a7ca-053251b6162a/resourcegroups/cloudPl...

Microsoft Azure Search resources, services, and docs (G+)

Home > CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20230510194823 | Overview > exp13

exp13 | Connect

Virtual machine

To improve security, enable just-in-time access on this VM. →

RDP SSH Bastion

Connect with RDP

^ Suggested method for connecting

Azure has checked the status for the most common prerequisites when connecting using this method.

- ✓ An inbound network security group rule has been created and your client IP address can access port 3389. [Learn more](#)
- ✓ The VM's network interface has a Public IP address. [Learn more](#)
- ✓ The VM is running.

To connect to your virtual machine via RDP, select an IP address, optionally change the port number, and download the RDP file.

IP address *
Public IP address (20.13.122.238)

Port number *
3389

Download RDP File

Can't connect?

https://portal.azure.com/#@nannuripavan93gmail.onmicrosoft.com/resource/subscriptions/8b6026fa-24c3-4ec9-a7ca-053251b6162a/resourcegroups/cloudPlatforms/providers/Microsoft.Compute/virtualMachines/exp13/connect

exp13 - Microsoft Azure

portal.azure.com/#@nannuripavan93gmail.onmicrosoft.com/resource/subscriptions/8b6026fa-24c3-4ec9-a7ca-053251b6162a/resourcegroups/cloudPl...

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Home > CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20230510194823 | Overview > exp13

exp13 | Connect

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IP address *
Public IP address (20.13.122.238)

Port number *
3389

Download RDP File

Can't connect?

Test network security groups

Remote Desktop Connection

The publisher of this remote connection can't be identified. Do you want to connect anyway?

This remote connection could harm your local or remote computer. Do not connect unless you know where this connection came from or have used it before.

Publisher: Unknown publisher
Type: Remote Desktop Connection
Remote computer: 20.13.122.238

☐ Don't ask me again for connections to this computer

Show Details

Connect Cancel

