

Microsoft Azure portal home page. The browser address bar shows `portal.azure.com/#home`. The page features a search bar and a navigation menu with icons for various services: Create a resource, Resource groups, Quickstart Center, Virtual machines, App Services, Storage accounts, SQL databases, Azure Cosmos DB, Kubernetes services, and More services.

Azure services

- Create a resource
- Resource groups
- Quickstart Center
- Virtual machines
- App Services
- Storage accounts
- SQL databases
- Azure Cosmos DB
- Kubernetes services
- More services

Resources

Recent Favorite

Name Type Last Viewed

No resources have been viewed recently

[View all resources](#)

Navigate

- Subscriptions
- Resource groups
- All resources
- Dashboard

Tools

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Search

ENG IN 08:34 15-11-2023

Microsoft Azure portal page for Virtual machines. The browser address bar shows `portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Compute%2FVirtualMachines`. The page features a search bar and a navigation menu with icons for various services: Create a resource, Resource groups, Quickstart Center, Virtual machines, App Services, Storage accounts, SQL databases, Azure Cosmos DB, Kubernetes services, and More services.

Virtual machines

Default Directory

[Create](#) [Switch to classic](#) [Reservations](#) [Manage view](#) [Refresh](#) [Export to CSV](#) [Open query](#) [Assign tags](#) [Start](#) [Restart](#) [Stop](#) [Delete](#) [Services](#) [Maintenance](#)

Type equals all Resource group equals all Location equals all Add filter

No grouping List view

Subscription Resource group Location Status Operating system Size Public IP address Disks

No virtual machines to display

Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.

[Create](#)

[Learn more about Windows virtual machines](#)

[Learn more about Linux virtual machines](#)

[Give feedback](#)

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salabhiram1228/CSA1533-CLO: x

Create a new disk - Microsoft A: x

+

portal.azure.com/#view/Microsoft_Azure_Compute/CreateDataDiskBlade/subscriptionId/23e27d7f-6c56-411c-bc47-4e2f41754bf3/resourceGroupName/abhi/location/east...

Microsoft Azure

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

poornimap1073.sse@sa...
DEFAULT DIRECTORY

Home > Virtual machines > Create a virtual machine >

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 *

abhiram_DataDisk_0

Source type *

None (empty disk)

Size *

32 GiB

Premium SSD LRS

[Change size](#)

Key management

Platform-managed key

Enable shared disk

☐ Yes ☒ No

Delete disk with VM

☒

OK

Give feedback

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08:37
15-11-2023

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

Microsoft Azure

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DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine ...

OS disk

OS disk size

Image default (30 GiB)

OS disk type

Premium SSD (locally-redundant storage)

Delete with VM ☒

Key management

Platform-managed key

Enable Ultra Disk compatibility ☐
Ultra disk is not supported with selected security type.

Data disks for abhiram

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	abhiram_DataDisk_0	32	Premium SSD LRS	Read-only	<input checked="" type="checkbox"/>

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

Review + create

< Previous

Next: Networking >

Give feedback

salabhiram1228/CSA1533-CLO: x Create a virtual machine - Micro: x +

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

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

Home > Virtual machines >

Create a virtual machine

Basics Disks **Networking** Management Monitoring Advanced Tags Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution. [Learn more](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * (new) abhiram-vnet [Create new](#)

Subnet * (new) default (10.0.0.0/24)

Public IP (new) abhiram-ip [Create new](#)

NIC network security group ☐ None ☒ Basic ☐ Advanced

Public inbound ports * ☐ None ☒ Allow selected ports

[Review + create](#) < Previous Next: Management >

<https://go.microsoft.com/fwlink/?linkid=2033964&clcid=0x409>

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salabhiram1228/CSA1533-CLO: x Create a virtual machine - Micro: x +

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

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

Home > Virtual machines >

Create a virtual machine

Basics Disks Networking **Management** Monitoring Advanced Tags Review + create

Configure management options for your VM.

Microsoft Defender for Cloud

Microsoft Defender for Cloud provides unified security management and advanced threat protection across hybrid cloud workloads. [Learn more](#)

Enable basic plan for free ☒ This will apply to every VM in the selected subscription

Identity

Enable system assigned managed identity ☐

Azure AD

Login with Azure AD ☐

RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine User Login is required when using Azure AD login. [Learn more](#)

Azure AD login now uses SSH certificate-based authentication. You will need to use an SSH client that supports OpenSSH certificates. You can use Azure CLI or Cloud Shell from the Azure Portal. [Learn more](#)

[Review + create](#) < Previous Next: Monitoring >

go.microsoft.com/fwlink/?linkid=2027915

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salahiram1228/CSA1533-CLOI

Create a virtual machine - Micro

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

Microsoft Azure

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

poornimap1073.sse@sa...
DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

Extensions

Extensions provide post-deployment configuration and automation.

Extensions Select an extension to install

VM applications

VM applications contain application files that are securely and reliably downloaded on your VM after deployment. In addition to the application files, an install and uninstall script are included in the application. You can easily add or remove applications on your VM after create. [Learn more](#)

Select a VM application to install

Custom data and cloud init

Pass a cloud-init script, configuration file, or other data into the virtual machine **while it is being provisioned**. The data will be saved on the VM in a known location. [Learn more about custom data for VMs](#)

Custom data

Review + createPreviousNext: Tags >

Give feedback

Top events
Event brief

Search

ENG
IN

08:42
15-11-2023

salahiram1228/CSA1533-CLOI

Create a virtual machine - Micro

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

Microsoft Azure

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poornimap1073.sse@sa...
DEFAULT DIRECTORY

Home >

Create a virtual machine

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Validation passed

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
7.5393 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.

Name
poornima p

CreatePreviousNext >Download a template for automation

Give feedback

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Search

ENG
IN

08:47
15-11-2023

Microsoft Azure portal showing the deployment details for a virtual machine named "abhiram". The deployment is complete, and the VM is running. The page displays the deployment name, subscription, resource group, and various deployment details. It also includes a sidebar with navigation options like Overview, Inputs, Outputs, and Template. The main content area shows the deployment status and provides links to the resource and other actions.

Your deployment is complete

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231115084439 | Overview

Subscription: Azure for Students
Resource group: abhi

Start time: 11/15/2023, 8:48:00 AM
Correlation ID: fe9cafb6-1ab7-49e9-a4e4-c21d6316412a

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

Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill. [Set up cost alerts >](#)

Microsoft Defender for Cloud

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Microsoft Azure portal showing the details of the virtual machine "abhiram". The page displays the VM's status, location, subscription, and various properties. It includes a sidebar with navigation options like Overview, Activity log, Access control (IAM), Tags, and Settings. The main content area shows the VM's configuration, including the operating system, size, public IP address, and network settings.

abhiram Virtual machine

Connect

Connect via Bastion

Resource group (move): abhi

Status: Running

Location: East US (Zone 1)

Subscription (move): Azure for Students

Subscription ID: 23e27d7f-6c56-411c-bc47-4e2f41754bf3

Availability zone: 1

Tags (edit): abhi : 1289

Operating system: Linux (ubuntu 20.04)

Size: Standard D2s v3 (2 vcpus, 8 GiB memory)

Public IP address: 20.121.63.241

Virtual network/subnet: abhiram-vnet/default

DNS name: Not configured

Health state: -

Properties Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine

Computer name	abhiram
Operating system	Linux (ubuntu 20.04)
Image publisher	canonical
Image offer	0001-com-ubuntu-server-focal
Image plan	20_04-lts-gen2
VM generation	V2
VM architecture	x64

Networking

Public IP address	20.121.63.241 (Network interface abhiram142_1)
Public IP address (IPv6)	-
Private IP address	10.0.0.4
Private IP address (IPv6)	-
Virtual network/subnet	abhiram-vnet/default
DNS name	Configure

Microsoft Azure portal interface showing the 'abhiram' virtual machine details. The page is titled 'abhiram | Connect' and includes a sidebar with navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking, Connect, Disks, Size, Microsoft Defender for Cloud, Advisor recommendations, Extensions + applications, Availability + scaling, Configuration, Identity, and Properties.

The main content area displays connection options for the virtual machine. The 'Recommended' section shows 'SSH using Azure CLI' as the preferred method, with a 'Select' button. The 'Most common' section shows 'Native SSH' as an alternative, also with a 'Select' button. Below these sections, there are fields for 'Admin username' (salabhiram), 'Port' (22), and 'Just-in-time policy'.

The bottom of the screen shows a Windows taskbar with various application icons and system status indicators like temperature (24°C) and time (08:59).

Microsoft Azure portal interface showing the 'SSH using Azure CLI' configuration window. The window is titled 'SSH using Azure CLI' and includes a sidebar with navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking, Connect, Disks, Size, Microsoft Defender for Cloud, Advisor recommendations, Extensions + applications, Availability + scaling, Configuration, Identity, and Properties.

The main content area displays the configuration steps for SSH using Azure CLI. The 'Ready for configuration' section lists several prerequisites that need to be configured, including 'System assigned managed identity', 'Azure AD SSH Login Extension', 'Virtual machine user or administrator login', 'Port 22 access', and 'Public IP address: 20.121.63.241'. Each item has a 'Learn more' link.

At the bottom of the configuration window, there is a 'Configure + connect' button and a 'Close' button. The bottom of the screen shows a Windows taskbar with various application icons and system status indicators like temperature (24°C) and time (08:59).

Microsoft Azure portal interface showing the 'abhiram' virtual machine connection page. The page displays connection details for the VM, including the public IP address (20.121.63.241) and the admin username (saibhiram). The 'SSH using Azure CLI' sidebar is open, showing the 'Connect from the Azure portal' option. The 'Configure prerequisites for SSH using Azure CLI' section is visible, indicating that the prerequisites are configured. The main window shows the 'Welcome to Azure Cloud Shell' message, with options to select Bash or PowerShell.

Microsoft Azure portal interface showing the 'abhiram' virtual machine connection page. The page displays connection details for the VM, including the public IP address (20.121.63.241) and the admin username (saibhiram). The 'SSH using Azure CLI' sidebar is open, showing the 'Connect from the Azure portal' option. The 'Configure prerequisites for SSH using Azure CLI' section is visible, indicating that the prerequisites are configured. The main window shows the 'You have no storage mounted' message, with a 'Create storage' button and a 'Close' button.

salahiram1228/CSA1533-CLO: SSH using Azure CLI - Microsoft

portal.azure.com/#@poornimap1073ssesaveetha.onmicrosoft.com/resource/subscriptions/23e27d7f-6c56-411c-bc47-4e2f41754bf3/resourcegroups/abhi/providers/Micros...

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

poornimap1073.sse@sa... DEFAULT DIRECTORY

Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231115084439 | Overview > abhiram

abhiram | Connect Virtual machine

Search

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Networking
Connect

Refresh Troubleshooting More Options Feedback

Connecting using Public IP address | 20.121.63.241

Admin username : salahiram
Port (change) : 22 Check access
Just-in-time policy : Unsupported by plan

Recommended Most common

Bash

Requesting a Cloud Shell.Succeeded.
Connecting terminal...

SSH using Azure CLI
Connect from the Azure portal

Connect from your local machine

1 Configure prerequisites for SSH using Azure CLI
Azure needs to configure some features in order to connect to the VM.

Prerequisites configured

System assigned managed identity
Azure will configure a system-assigned managed identity in order to enable the Azure AD login extension. Learn more

Azure AD SSH Login Extension
The Azure Active Directory based SSH Login extension will securely connect to the VM using Azure AD instead of SSH or a username and

Close Troubleshooting Give feedback

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