

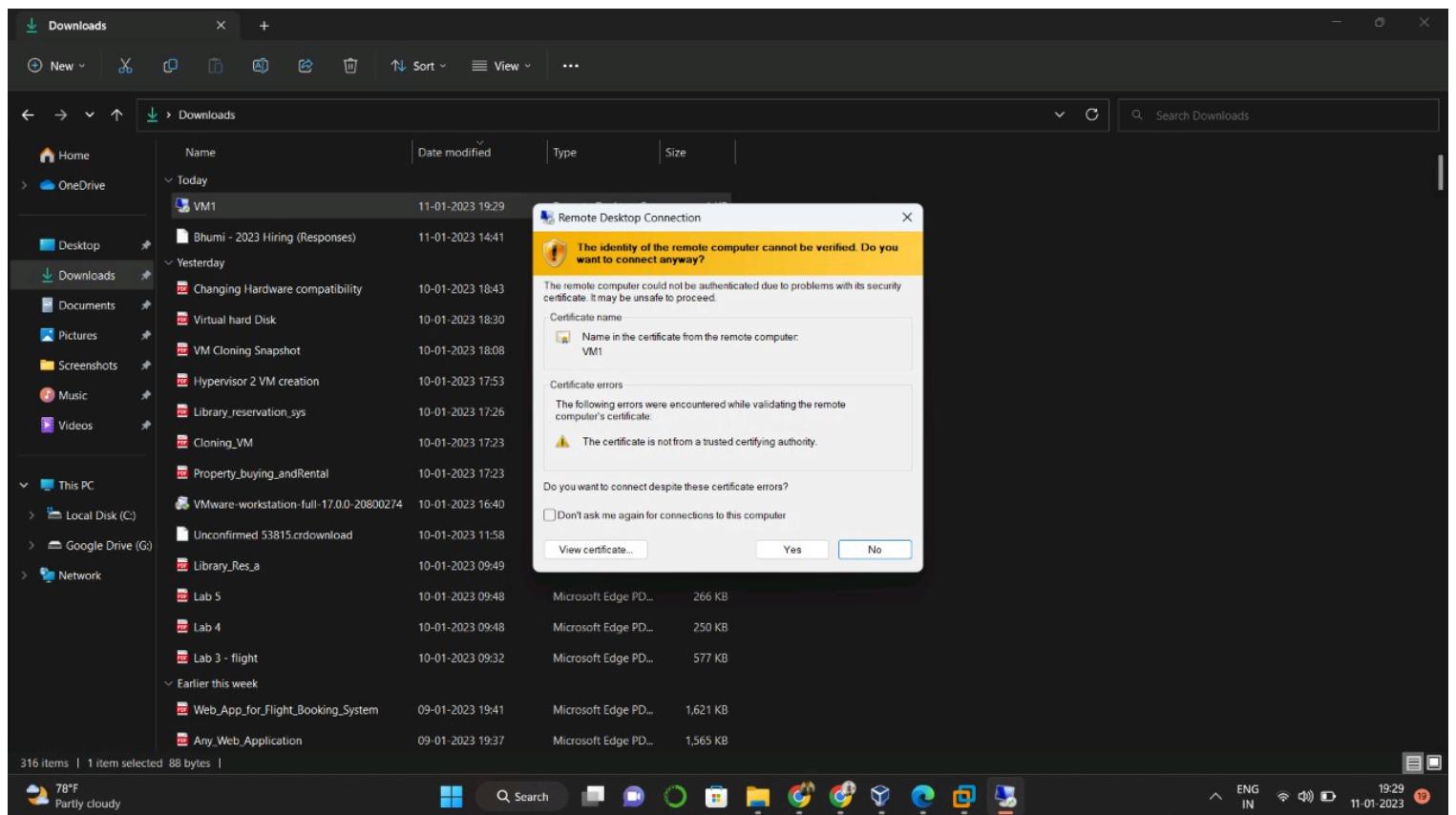
Screenshot of the Microsoft Azure portal interface.

The top navigation bar shows several open tabs, including "Sign in to [REDACTED]", "Zoho Cre [REDACTED]", "bhargav [REDACTED]", "Azure - S [REDACTED]", "[Microso [REDACTED]", and "Home - I [REDACTED]". The current tab is "Microsoft Azure". The search bar contains the placeholder "Search resources, services, and docs (G+/)". The user's email, "smb.yadav33@gmail.com", is displayed at the top right, along with "DEFAULT DIRECTORY".

The main content area is divided into sections:

- Azure services:** A row of icons for various services: Create a resource (plus sign), Quickstart Center (rocket), Virtual machines (monitor), App Services (globe), Storage accounts (cylinder), SQL databases (SQL icon), Azure Cosmos DB (globe with lines), Kubernetes services (cube), Function App (lightning bolt), and More services (arrow).
- Resources:** A table showing recent resources. The columns are "Name", "Type", and "Last Viewed". There are no resources listed under "Recent".
- Navigate:** A row of links: Subscriptions (key icon), Resource groups (grid icon), All resources (grid icon), and Dashboard (bar chart icon).

The bottom status bar displays the URL "https://portal.azure.com/?Microsoft\_Azure\_Education\_correlationId=ea8051239b1844ef9a2804b46c598ae7&Microsoft\_Azure\_Education\_newA4E=true&Microsoft\_Azure\_Education\_asoSubGuid=08de7d4e-e0bb-40f0-86aa-208f2137992d#create/hub", the weather "79°F Partly cloudy", and system information like "ENG IN", "10:55", and "11-01-2023".



The screenshot shows the Microsoft Azure portal interface for a virtual machine named 'VM1'. The left sidebar lists various settings like Overview, Activity log, and Connect. The main content area displays the 'Connect' section for VM1. It includes a warning about enabling just-in-time access, a list of successful prerequisites (network security group, public IP address, VM running), and a form to download an RDP file. Below the form are troubleshooting links for connectivity issues and a feedback section.

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

**Suggested method for connecting**

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

- Checking network security group for inbound access from your client's IP address. [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 (20.193.129.222)

Port number \*

3389

**Download RDP File**

Can't connect?

Test your connection

Troubleshoot RDP connectivity issues

Provide feedback

Tell us about your RDP experience

csa1566 all details - Google Chrome | Sign in to your Zoho Account | Zoho Creator - Property Bu... | bhangavsanam9100/Cloud- | VM1 - Microsoft Azure | Azure Virtual Machine (VM) | +

portal.azure.com/?Microsoft\_Azure\_Education\_correlationId=ea8051239b1844ef9a2804b46c598ae7#smbyadav33@gmail.onmicrosoft.com/resource/subscriptions/08de7...

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

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20230111191722 | Overview >

VM1 Virtual machine

VM1 Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Networking

Connect

Windows Admin Center

Disks

Size

Microsoft Defender for Cloud

Advisor recommendations

Extensions + applications

Continuous delivery

Availability + scaling

Configuration

Identity

78°F Partly cloudy

Search

Connect

Start

Restart

Stop

Capture

Delete

Refresh

Open in mobile

CLI / PS

Feedback

RDP

SSH

Bastion

Resource group (move) : VMlab

Status : Running

Location : Central India (Zone 1)

Subscription (move) : Azure for Students

Subscription ID : 08de7d4e-e8bb-48f0-86aa-208f2137992d

Availability zone : 1

Tags (edit) : Click here to add tags

Operating system : Windows

Size : Standard DS1 v2 (1 vcpu, 3.5 GiB memory)

Public IP address : 20.193.129.222

Virtual network/subnet : VMlab-vnet/default

DNS name : Not configured

Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine

Computer name : VM1

Health state : -

Operating system : Windows

Publisher : MicrosoftWindowsServer

Offer : WindowsServer

Plan : 2019-datacenter-gensecond

Networking

Public IP address : 20.193.129.222

Public IP address (IPv6) : -

Private IP address : 10.0.0.4

Private IP address (IPv6) : -

Virtual network/subnet : VMlab-vnet/default

DNS name : Configure

JSON View

ENG IN 19:28 11-01-2023

csa1566 all details - Google Chrome | Sign in to your Zoho Account | Zoho Creator - Property Bu... | bhargavsanam9100/Cloud- | VM1 - Microsoft Azure | Azure Virtual Machine (VM) | +

portal.azure.com/?Microsoft\_Azure\_Education\_correlationId=ea8051239b1844ef9a2804b46c598ae7#smbyadav33@gmail.onmicrosoft.com/resource/subscriptions/08de7...

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

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20230111191722 | Overview >

VM1 Virtual machine

VM1 Search Connect Start Restart Stop Capture Delete Refresh Open in mobile CLI / PS Feedback

VM1 virtual machine agent status is not ready. Troubleshoot the issue →

Essentials

Resource group (move) : VMlab  
Status : Running  
Location : Central India (Zone 1)  
Subscription (move) : Azure for Students  
Subscription ID : 08de7d4e-e8bb-48f0-86aa-208f2137992d  
Availability zone : 1  
Tags (edit) : Click here to add tags

Operating system : Windows  
Size : Standard DS1 v2 (1 vcpu, 3.5 GiB memory)  
Public IP address : 20.193.129.222  
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Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine

Computer name	VM1
Health state	-
Operating system	Windows
Publisher	MicrosoftWindowsServer
Offer	WindowsServer
Plan	2019-datacenter-gensecond

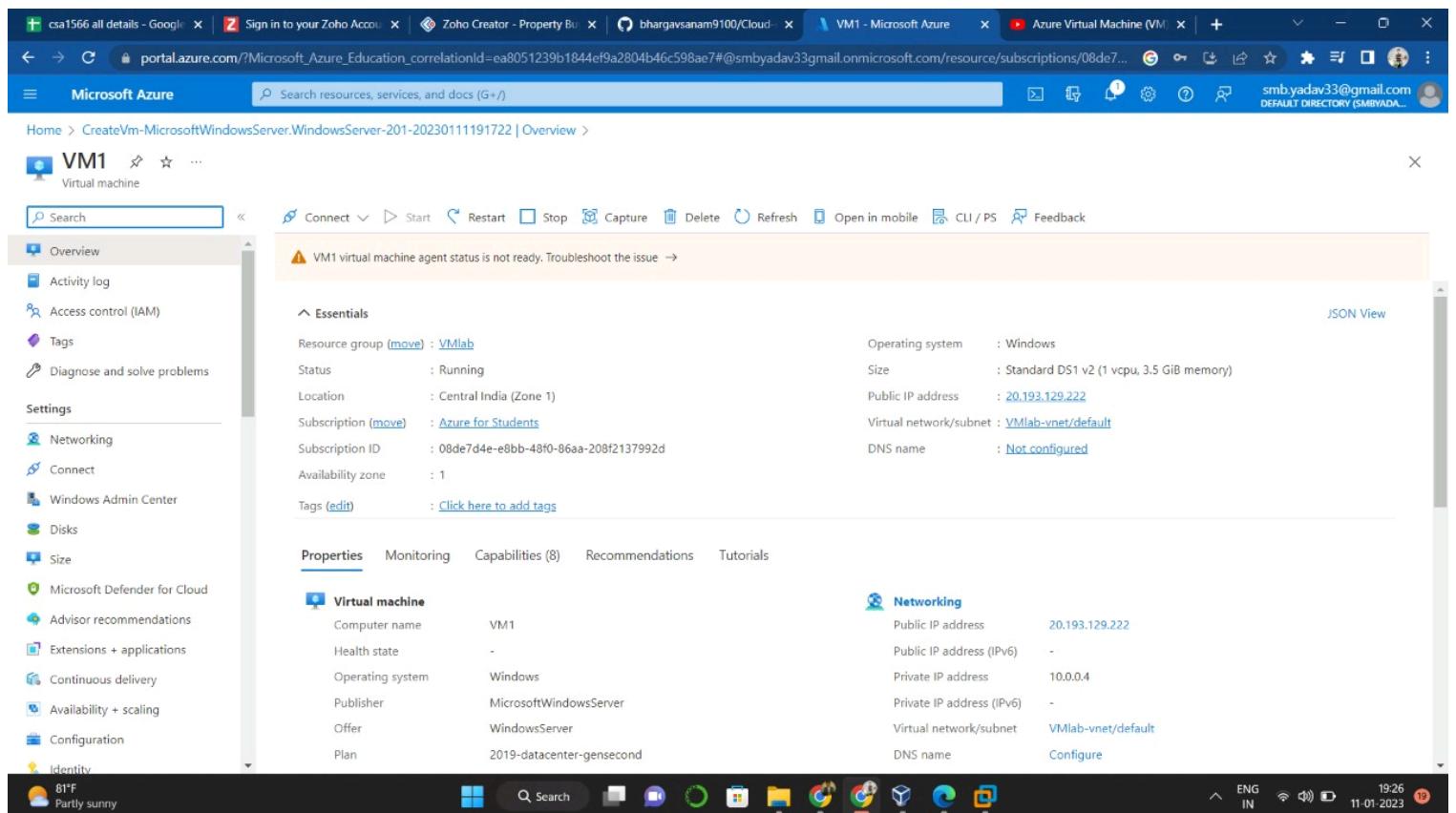
Networking

Public IP address	20.193.129.222
Public IP address (IPv6)	-
Private IP address	10.0.0.4
Private IP address (IPv6)	-
Virtual network/subnet	VMlab-vnet/default
DNS name	Configure

81°F Partly sunny

Search

ENG IN 19:26 11-01-2023



csa1566 all details - Google Chrome | Sign in to your Zoho Account | Zoho Creator - Property Bu... | bhargavsanam9100/Cloud- | CreateVm-MicrosoftWindowsServer-201-20230111191722 | Azure Virtual Machine (VM) | +

portal.azure.com/?Microsoft\_Azure\_Education\_correlationId=ea8051239b1844ef9a2804b46c598ae7#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsu...

Microsoft Azure  ...

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20230111191722 | Overview ...

 Deployment

«

 Overview ...

 Inputs

 Outputs

 Template

**Your deployment is complete** Deployment succeeded

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 1/11/2023, 7:23:48 PM  
Subscription: Azure for Students Correlation ID: 325c0e11-9c6c-497a-a496-6b8ca254db78 Copy

**Deployment details**

**Next steps**

Setup auto-shutdown Recommended  
Monitor VM health, performance and network dependencies Recommended  
Run a script inside the virtual machine Recommended

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  
Secure your apps and infrastructure  
[Go to Microsoft Defender for Cloud >](#)

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**Validation passed**

**Config with Azure AD**

Auto-shutdown	Off
Backup	Disabled
Enable hotpatch	Off
Patch orchestration options	OS-orchestrated patching: patches will be installed by OS

**Monitoring**

Alerts	Off
Boot diagnostics	On
Enable OS guest diagnostics	Off

**Advanced**

Extensions	None
VM applications	None
Cloud init	No
User data	No
Disk controller type	SCSI
Proximity placement group	None
Capacity reservation group	None

**Create** < Previous Next > Download a template for automation

Give feedback

csa1566 all details - Google Chrome X Z Sign in to your Zoho Account X Zoho Creator - Property Bu... X bhargavsanam9100/Cloud... X Create a virtual machine - X Azure Virtual Machine (VM) X +

portal.azure.com/?Microsoft\_Azure\_Education\_correlationId=ea8051239b1844ef9a2804b46c598ae7#create/Microsoft.VirtualMachine-ARM

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

Home > Virtual machines >

## Create a virtual machine

Validation passed

Basics Disks Networking Management Monitoring Advanced Tags Review + create

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

### PRODUCT DETAILS

1 X Standard DS1 v2 by Microsoft Subscription credits apply ⓘ 9.3659 INR/hr Pricing for other VM sizes

[Terms of use](#) | [Privacy policy](#)

### 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.

Create < Previous Next > Download a template for automation

81°F Partly sunny

Search

Cloud

File

Video

PowerShell

Windows Update

File Explorer

Google Chrome

Microsoft Edge

OneDrive

Power BI

Microsoft Store

Feedback

ENG IN

19:23 11-01-2023 19

Microsoft Azure

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

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) VMlab-vnet [Create new](#)

Subnet \* (new) default (10.0.0.0/24)

Public IP (new) VM1-ip [Create new](#)

NIC network security group  Basic  None  Advanced

Public inbound ports \*  Allow selected ports  None

Select inbound ports \* RDP (3389)

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

Give feedback





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portal.azure.com/?Microsoft\_Azure\_Education\_correlationId=ea8051239b1844ef9a2804b46c598ae7#create/Microsoft.VirtualMachine-ARM

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

smb.yadav33@gmail.com DEFAULT DIRECTORY (SMBYADA...)

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.

for full customization. [Learn more](#)

**Project details**

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

Subscription \* [Azure for Students](#)

Resource group \* [\(New\) VMlab](#) [Create new](#)

**Instance details**

Virtual machine name \* [VM1](#)

Region \* [\(Asia Pacific\) Central India](#)

Availability options [Availability zone](#)

Availability zone \* [Zones 1](#)

**Review + create** < Previous Next : Disks > Give feedback

go.microsoft.com/fwlink/?LinkId=2126834

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portal.azure.com/#@smbyadav33@gmail.onmicrosoft.com/resource/subscriptions/08de7d4e-e8bb-48f0-86aa-208f2137992d/resourcegroups/VM1\_group/providers/Microsoft.Compute/virtualmachines/VM1

# VM1

Virtual machine

Search

Connect Start Restart Stop Capture Delete Refresh Open in mobile CLI / PS Feedback

Overview

Activity log Access control (IAM) Tags Diagnose and solve problems

Networking Connect Disks Size Microsoft Defender for Cloud Advisor recommendations Extensions + applications Continuous delivery Availability + scaling Configuration Identity Properties

86°F Haze

Health state -

Operating system Windows (Windows 10 Pro)

Publisher MicrosoftWindowsDesktop

Offer Windows-10

Plan win10-21h2-pro-g2

VM generation V2

VM architecture x64

Agent status Ready

Agent version 2.7.41491.1071

Host group None

Host -

Proximity placement group -

Colocation status N/A

Capacity reservation group -

Availability zone 1

Availability set -

Scale Set -

OS disk VM1\_OsDisk\_1\_f83e592d840d4fd8a4baa74830e85a47

Encryption at host Disabled

Azure disk encryption Not enabled

Ephemeral OS disk N/A

Data disks 0

Auto-shutdown Not enabled

Scheduled shutdown -

Public IP address (IPv6) -

Private IP address 10.0.0.4

Private IP address (IPv6) -

Virtual network/subnet VM1\_group-vnet/default

DNS name Configure

Standard DS1 v2

vCPUs 1

RAM 3.5 GiB

14:14 ENG IN 11-01-2023

Exp. 12

Date: 11/01/2023

Aim: Demonstrate Infrastructure as a Service (IaaS) by creating a virtual machine using a public cloud service provider (Azure/GCP/AWS) configure with minimum CPU, RAM and Storage and launch the VM image.

Procedure

- (1) Create An account in Microsoft Azure
- (2) Go to Resource group and create a resource group.
- (3) Give necessary things for resource group
- (4) Create Virtual Network for to create a virtual Machine
- (5) Now create a virtual machine with IP address as username and password for your virtual machine
- (6) And your VM is deployed
- (7) Now connect the VM and download the RDP file to open your windows VM
- (8) Created a new windows VM

O/P

Flow

Result:

Here successfully virtual machine using public cloud provider has been created