

Homework | Cycle 29 | Session 15

- Create virtual machine
- Search for Virtual Machine from search bar and click on create virtual machine

The image consists of two screenshots from the Microsoft Azure portal. The top screenshot shows the home page with a search bar at the top right. The search bar contains the text 'virtual machine'. Below the search bar, a dropdown menu shows 'All' (selected), 'Services (28)', and 'Marketplace (31)'. Under the 'Services' tab, 'Virtual machines' is listed. The bottom screenshot shows the 'Create a virtual machine' wizard. The 'Basics' tab is selected. The 'Project details' section shows 'Subscription' as 'Azure subscription 1' and 'Resource group' as '(New) Resource group'. The 'Instance details' section shows 'Virtual machine name' as an empty field, 'Region' as '(US) East US', and 'Availability options' as 'Availability zone'. Under 'Zone options', 'Self-selected zone' is selected. The 'Availability zone' dropdown shows 'Zone 1'. At the bottom, there are buttons for '< Previous', 'Next : Disks >', and 'Review + create'.

portal.azure.com/#home

Microsoft Azure Upgrade

Hi bhavani@gayathrikesavaluou account.
[View remaining credit](#) to try any service, or [browse free services](#)

virtual machine

All Services (28) Marketplace (31) More (4)

Virtual machines

Search resources, services, and docs (G+)

Home > Compute infrastructure | Virtual machines

Virtual machines Get started

Create Switch to classic Reservations Manage view Refresh Export to CSV Open query Assign tags Start Restart Stop Delete Services Maintenance Group by none

Virtual machine
Best for lower-traffic workloads, testing, or to control or highly customize apps, OS, or file system. If your workload or traffic starts to grow, a VM can later be attached to a Virtual Machine Scale Set (VMSS).

Features may be missing. [Click here to access the old experience](#)

Type equals all Resource Group equals all Location equals all Add filter

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

Microsoft Azure Upgrade

Search resources, services, and docs (G+)

Home >

Create a 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

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

This subscription may not be eligible to deploy VMs of certain sizes in certain regions.

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 subscription 1

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

Instance details

Virtual machine name *

Region * (US) East US

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

Using an Azure-selected zone is not supported in region 'East US'.

Zone 1

You can now select multiple zones. Selecting multiple zones will create one VM

< Previous Next : Disks > Review + create

Fill the details as mentioned in the below screenshot and click on see all images to select image

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

Home >

Create a 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

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

Subscription *

Azure subscription 1

Resource group *

(New) vm-sqlbhav_group

Create new

Instance details

Virtual machine name *

vm-sqlbhav

Region *

(US) East US

Availability options

No infrastructure redundancy required

Security type

Standard

Image *

Ubuntu Server 24.04 LTS - x64 Gen2 (free services eligible)

See all images | Configure VM generation

This image is compatible with additional security features. [Click here to swap to the Trusted launch security type.](#)

VM architecture

Arm64

☒ x64

Run with Azure Spot discount

☐

You are in the free trial period. Costs associated with this VM can be covered by any remaining credits on your subscription. [Learn more](#)

Size *

Standard_B1s - 1 vcpu, 1 GiB memory (\$7.59/month) (free services eligible)

< Previous

Next : Disks >

Review + create

Search for sql server from search bar and select SQL Server 2022 on windows server 2022 and clcik on select there you have to choose first option free sql server

Microsoft Azure

Upgrade

Search

Home > Create a virtual machine >

Select an image

Other Items

My Images

Shared Images

Community Images

Direct Shared Images (PREVIEW)

Marketplace

All

Recently created

Private products

Categories

Databases (227)

Compute (175)

Developer Tools (118)

IT & Management Tools (108)

Analytics (84)

Web (56)

Security (43)

DevOps (33)

Storage (33)

AI + Machine Learning (17)

Marketplace

sql server

Pricing : All

☐ Azure services only

New!

Get AI-generated suggestions for 'sql server'

View suggestions

Showing 1 to 20 of 510 results for 'sql server' with 1 selected filters. [Clear search + filters](#)

SQL Server 2022 on Windows Server 2022

Microsoft

Virtual Machine

SQL Server 2022 images on Windows Server 2022

Select

SQL Server 2017 on Windows Server 2019

Microsoft

Virtual Machine

SQL Server 2017 images on Windows Server 2019

Select

SQL Server 2019 Windows Server

Microsoft

Virtual Machine

SQL Server 2019 images on Windows Server 2019

Select

Free SQL Server License: SQL Server 2022 Developer on Windows Server 2022 - x64 Gen 2

SQL Server 2022 Web on Windows Server 2022 - x64 Gen 2

SQL Server 2022 Enterprise on Windows Server 2022 - x64 Gen 2

SQL Server 2022 Standard on Windows Server 2022 - x64 Gen 2

9 Analysis

SQL Server 2016 Services

Microsoft Corporation

Virtual Machine

SQL Server 2016 Recor

Image *

Free SQL Server License: SQL Server 2022 Developer on Windows Server 2022

See all images

Configure VM generation

This image is compatible with additional security features. [Click here to swap to the Trusted launch security type.](#)

Select Size as Standard B2s one as shown in pic

[Home](#) >

Create a 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

Basics Disks Networking Management Monitoring Advanced SQL Server settings Tags Review + create

Security & Networking

SQL connectivity *

Port *

SQL Authentication

SQL Authentication ⓘ Disable Enable

Login name * ⓘ

Password * ⓘ

Azure Key Vault integration ⓘ Disable Enable

[Home](#) >

Create a virtual machine ...



Validation passed



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

Basics Disks Networking Management Monitoring Advanced SQL Server settings Tags Review + create



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

Price

1 X Standard B2s
by Microsoft
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ

0.0496 USD/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.



You have set RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

Basics

Subscription Azure subscription 1
Resource group (new) vm-sqlbhav_group

[< Previous](#)

[Next >](#)

[Create](#)

Virtual machine is created, and by clicking on connect button and login to RDP machine

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

Home > CreateVm-microsoftsqlserver.sql2022-ws2022-sqldev-20250603205937 | Overview

Deployment

Search x << Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: CreateVm-microsoftsqlserver.sql2022-ws2022-s... Start time: 6/3/2025, 9:25:18 PM
Subscription: Azure subscription 1 Correlation ID: 403018be-f2a0-471d-86b3-f38f83222ce4

Resource group: vm-sqlbhav_group

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

Go to resource and click on connect as below and click on download RDP

nect

Refresh Troubleshoot More Options Feedback

Connecting using
Public IP address | 20.169.182.46

Admin username : sqladmin

Port (change) : 3389 Check access

Just-in-time policy : Unsupported by plan

Most common

Local machine

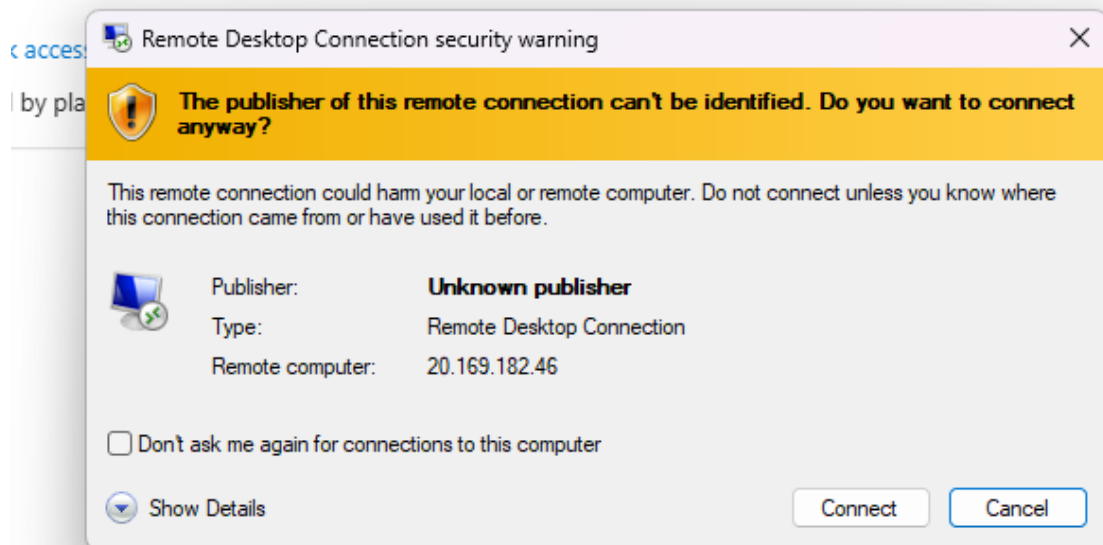
Native RDP

Connect via native RDP without any additional software needed. Recommended for testing only.

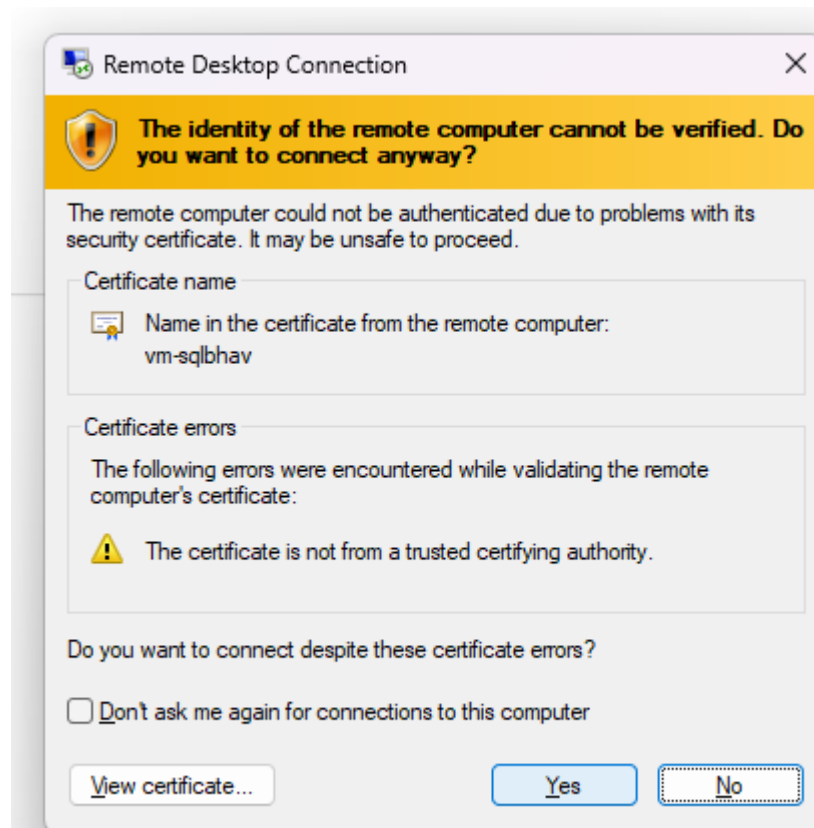
Public IP address (20.169.182.46)

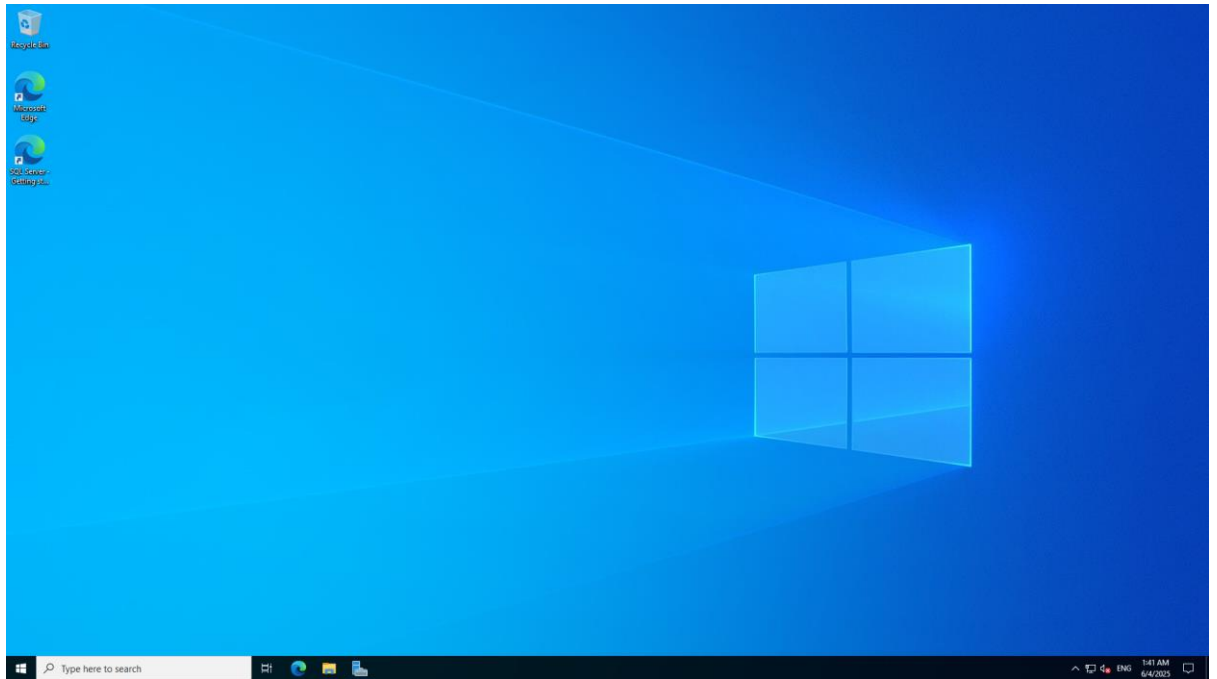
Select Download RDP file

Click on connect and enter the password



Click on yes and it will take you to RDP





Go to overview tab from your virtual machine azure page and click on stop to stop the VM for cost savings.

Microsoft Azure

Upgrade

Search resource, services, and docs (Ctrl+J)

Copilot

SPRINGER-PROJECTS-REPOSITORY

DEFAULT DIRECTORY (GANDORI)

Home > CreateVm-microsoftsqlserver.sqldev-20250603205937 | Overview >

vm-sqlbhav

Virtual machine

Search

Help me copy this VM in any region

Overview

Connect

Start

Restart

Stop

Hibernate

Capture

Delete

Refresh

Open in mobile

Feedback

CU / PS

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Connect

Connect

Bastion

Windows Admin Center

Networking

Settings

Availability + scale

Security

Backup + disaster recovery

Operations

Monitoring

Automation

Help

Essentials

Resource group (move)

Status

Location

Subscription (move)

Subscription ID

Operating system

Size

Public IP address

Virtual network/subnet

DNS name

Health state

Time created

Tags (edit)

Add tags

JSON View

Properties

Monitoring

Capabilities (8)

Recommendations

Tutorials

Virtual machine

Computer name

Operating system

VM generation

VM architecture

Agent status

Agent version

Hibernation

Host group

Host

Proximity placement group

Colocation status

Capacity reservation group

vm-sqlbhav

Windows (Windows Server 2022 Datacenter)

V2

x64

Ready

2.7.41491.1149

Disabled

-

-

-

N/A

-

Networking

Public IP address

Public IP address (IPv6)

Private IP address

Private IP address (IPv6)

Virtual network/subnet

DNS name

20.169.182.46 (Network interface vm-sqlbhav/229)

-

10.0.0.4

-

vm-sqlbhav-vnet/default

Configure

Size

Size

vCPUs

RAM

Standard B2s

2

4 GiB

Source image details

microsofsqlserver

Stop this virtual machine

Do you want to stop 'vm-sqlbhav'?

Deallocation operations usually complete within 1-2 minutes but may take up to 90 minutes in some cases. You can leave the page and track the progress via notifications.

Yes

No

Subscription (move)

Subscription ID

Tags (edit)

Azure subscription 1

64a82a0f-9528-4eec-80dc-c38590acfd69

Add tags

Operating sys

Size

Public IP addr

Virtual netwo

DNS name

Health state

Time created