

Deploy database offerings on selected platforms

We're going to have a look at planning and implementing data platform resources, and we're going to start using manual methods.

So, we've already got our first SQL database. So, what happened?

I went to Azure SQL. And I can go to Create.

Home > Azure SQL >

Select SQL deployment option

Microsoft

Feedback

How do you plan to use the service?

SQL Database Hyperscale: Low price, high scalability, and best feature set. [Learn more](#)

SQL databases
Best for modern cloud applications. Hyperscale and serverless options are available.
Resource type
Single database
[Create](#) [Show details](#)

SQL managed instances
Best for most migrations to the cloud. Lift-and-shift ready.
Resource type
Single instance
[Create](#) [Show details](#)

SQL virtual machines
Best for migrations and applications requiring OS-level access. Lift-and-shift ready.
Image
[Create](#) [Show details](#) ☐ High availability

Home > Azure SQL >

Select SQL deployment option

Microsoft

Feedback

How do you plan to use the service?

SQL Database Hyperscale: Low price, high scalability, and best feature set. [Learn more](#)

SQL databases
Best for modern cloud applications. Hyperscale and serverless options are available.
Resource type
Elastic pool
Single database
Elastic pool
Database server
[Create](#) [Show details](#)

SQL managed instances
Best for most migrations to the cloud. Lift-and-shift ready.
Resource type
Single instance
[Create](#) [Show details](#)

SQL virtual machines
Best for migrations and applications requiring OS-level access. Lift-and-shift ready.
Image
[Create](#) [Show details](#) ☐ High availability

So here we can create single databases, elastic pools, managed instances, and SQL virtual machines. So, we could have SQL Server sitting on a Windows Server.

So, if I was to go to any of these, then I would just click Create.

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So, if we have a look at these two, which we've not had a look at yet,
So, SQL managed instances,

Home > Azure SQL > Select SQL deployment option >

Create Azure SQL Managed Instance

Microsoft

✖ Basics Networking Security Additional settings Tags Review + create

SQL Managed Instance is a fully managed PaaS database service with extensive on-premises SQL Server compatibility and native virtual network security. [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 * ⓘ Free Trial

Resource group * ⓘ Select a resource group
[Create new](#)

Managed Instance details

Enter required settings for this instance, including picking a location and configuring the compute and storage resources.

Managed Instance name * Enter Managed Instance name


Region * (Asia Pacific) Central India

✖ Check error message below

⚠ Managed Instance is not available for the chosen subscription and region. Please try again with some other subscription, region, or use Microsoft Support to [request region access](#). [Learn more](#)

[Not seeing a region?](#)

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



Estimated costs per month

Compute	₹129,920.57
Cost per VCore (in INR) GeneralPurpose - Gen5	₹16,240.07
VCores selected Provisioned	8
Storage	₹2,792.15
Cost per GB (in INR)	₹10.91
Max storage selected (in GB) Data max size + log storage	256
Discount	₹349.02
32 GB storage included	₹349.02
Azure Hybrid Benefit	₹0.00
Estimated total	₹132,363.70

You'll need your subscription, and your resource group.

You need a managed instance name.

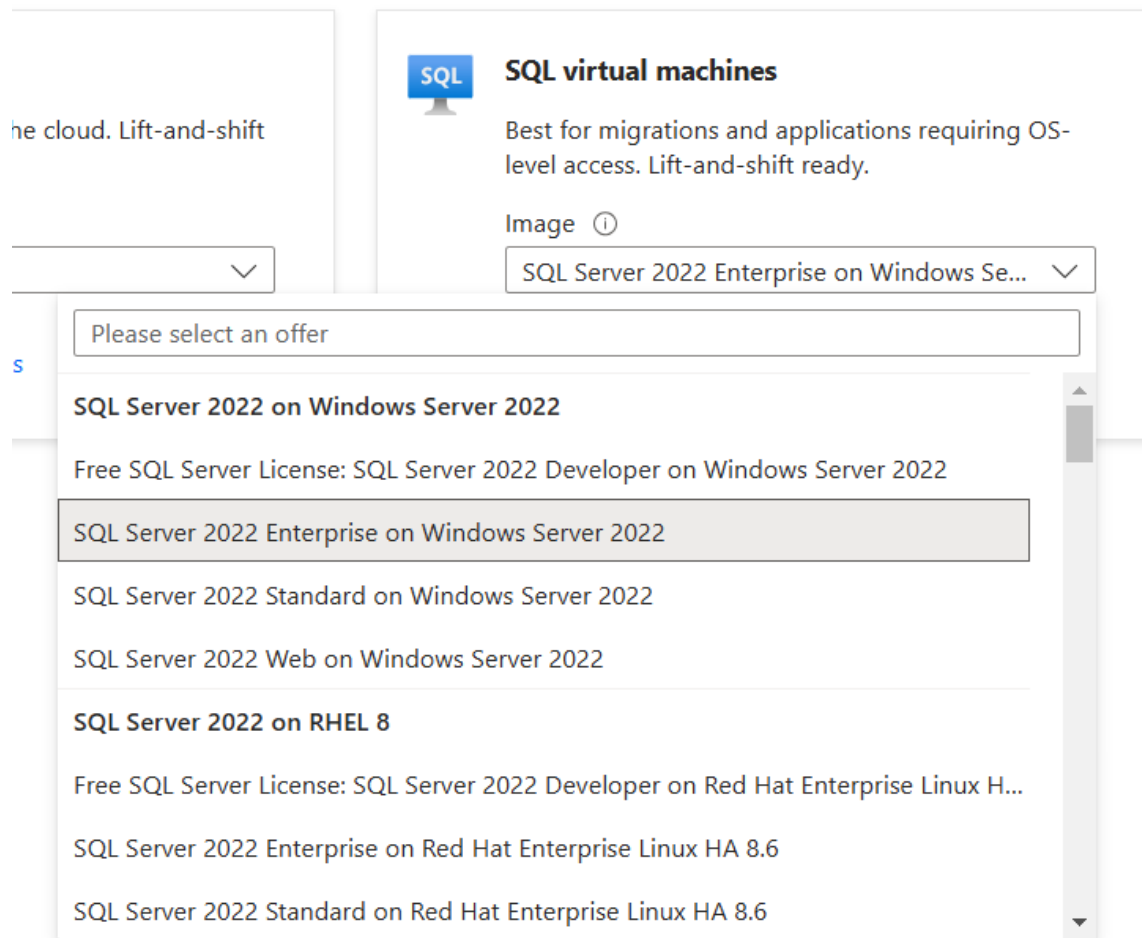
So, a managed instance is like having a fuller version of SQL Server on a cloud with an SQL Server that you can manipulate, though you can't manipulate the Windows machine behind it.

So, you'd need to put in your managed instance name, a region, and an admin login and password. And you'd also be able to put in the appropriate amount of compute and storage.

We'll be looking at creating an SQL database Managed Instance much later in this course.

Now, we can also get SQL virtual machines, and you can see lots of different images.

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So, with an SQL virtual machine, you'll be paying for the operating system, as well as for the SQL Server.

Now, you don't have to pay for Developer but then you also can't use Developer for commercial reasons, you can only use it, for instance, for a testing bed or for learning how to use SQL Server.

So, it's likely you'll be using both Windows Server and a full SQL Server. There is also a bring your own license version as well.

Now, this isn't the only place where you can deploy it from. If I go back to Home, and I look for the Marketplace, then here is another place where I can go and find lots of images.

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Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot msudha100199 DEFAULT DIRECTORY

Home > Marketplace

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Search the Marketplace Pricing: All Operating System: All Publisher Type: All Product Type: All Publisher name: All

☐ Azure services only

Popular Marketplace products

DeepSeek-R1 with Open WebUI

Supported Images

Virtual Machine

DeepSeek R1 with Open WebUI is an open-source AI model offering advanced reasoning capabilities, comparable to OpenAI's GPT series.

Starts at **₹16.039/user/3 years**

Create

Windows Server 2022 Datacenter

Tidal Media Inc

Virtual Machine

Windows Server 2022 Datacenter is ideal for highly virtualized datacenters and cloud environments

Starts at **₹2.928/hour**

Create

Kali Linux

Kali Linux

Virtual Machine

The Most Advanced Penetration Testing Distribution. Ever.

Bring your own license

Create

Twilio SendGrid

SendGrid

SaaS

Reliable email delivery, at scale.

Price varies

Subscribe

Fortinet FortiGate Next-Generation Firewall

Fortinet

Azure Application

FortiGate NGFW improves on the Azure firewall with complete data, application and network security

Price varies

Create

Rocky Linux for x86_64 (AMD64) - Official

The Rocky Enterprise Software F...

Virtual Machine

The official Rocky Linux images for

So, if I go on the left-hand side, you can see all these different images that I can use, and I can just type in SQL Server here, and have a big search for what's available.

Home > Marketplace

Get Started Service Providers Management Private Marketplace Private Offer Management My Marketplace Favorites My solutions Recently created Private plans Categories Databases (259) Compute (188) Analytics (136) Developer Tools (130) IT & Management Tools (123) Web (77)

Showing 1 to 20 of 613 results for 'sql server'. [Clear search](#)

SQL Server 2022 on Windows Server 2022

Microsoft

Virtual Machine

SQL Server 2022 images on Windows Server 2022

Create

SQL Server 2019 on Windows Server 2022

Microsoft

Virtual Machine

SQL Server 2019 images on Windows Server 2022

Create

SQL Server 2017 on Windows Server 2019

Microsoft

Virtual Machine

SQL Server 2017 images on Windows Server 2019

Create

SQL Server 2017 on Windows Server 2016

Microsoft

Virtual Machine

SQL Server 2017 images on Windows Server 2016

Create

SQL Server 2022 Reporting Services

Microsoft Corporation

Virtual Machine

SQL Server 2022 Reporting Services on Windows Server 2022

Create

SQL Server 2019 on Windows Server 2019

Microsoft

Virtual Machine

SQL Server 2019 images on Windows Server 2019

Create

SQL server (logical server)

Microsoft

Azure Service

SQL server (logical server)

Create

SQL Server 2019 Reporting Services

Microsoft Corporation

Virtual Machine

SQL Server 2019 Reporting Services on Windows Server 2019

Create

SQL Server 2022 Analysis Services

Microsoft Corporation

Virtual Machine

SQL Server 2022 Analysis Services on Windows Server 2022

Create

SQL Server 2016 Reporting Services

Microsoft Corporation

Virtual Machine

SQL Server 2016 Reporting Services on Windows Server 2016

Create


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
So here, you can see SQL Server on Windows, SQL Server on Linux, for instance. And there is this Create button at the bottom.


So, if I were to go back to Azure SQL, and create a new virtual machine, then you'll see there are a lot more things that are needed.

[Home](#) > [Azure SQL](#) > [Select SQL deployment option](#) >

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](#)

Subscription * ⓘ

Free Trial

Resource group * ⓘ

(New) Resource group

[Create new](#)

Instance details

Virtual machine name * ⓘ

Region * ⓘ

(Asia Pacific) Central India

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 'Central India'.

Availability zone * ⓘ

Zone 1

 You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type ⓘ

Trusted launch virtual machines

[Configure security features](#)

 Trusted launch virtual machine is required when using 1P Gallery images.

[Previous](#)

[Next > Dicks >](#)

[Review & create](#)

A virtual machine name, a region,

availability options, availability sets,

availability zones, scale sets, that sort of thing.

The spot license is a discounted rate, which may have infrastructure loss because they can recall it when they need it.

You'll also need to have virtual networks in place. So, IP addresses. So, there's a lot more options that are needed here.

So don't forget, this is a full-blown computer.

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It's just one that's not on your machine. It's a virtual environment on a really big server that you've then got access to.

So, these are some ways of deploying database offerings using the portal. You could also go for things like SQL database or SQL managed instances, or virtual machines and deploy them from there.