

Microsoft Azure is a cloud computing software. In cloud computing we don't have servers we have data centres. Azure allows you to run many services on a single datacentre like exchange server, sql server, oracle server, mysql server, active directory services, Azure allows you to deploy your custom made web applications in any languages like java, asp.net, python, php etc on a datacentre. On a datacentre we can also create virtual machines. Steps to create sql server on azure are as follow.

Project details

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

Subscription * ⓘ

Pay-As-You-Go

Resource group * ⓘ

SQLServer1

Create new

Database details

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

Database name *

mydb123456

Server * ⓘ

mydb12345 (East US)

Create new

Want to use SQL elastic pool? ⓘ

☐ Yes

☒ No

Compute + storage * ⓘ

General Purpose

Gen5, 2 vCores, 32 GB storage, zone redundant disabled

Configure database

Backup storage redundancy

Choose how your PITR and LTR backups are replicated. Geo restore or ability to recover from regional outage is only available when geo-redundant storage is selected.

Backup storage redundancy ⓘ

☐ Locally-redundant backup storage

☐ Zone-redundant backup storage

☒ Geo-redundant backup storage

Configure network access and connectivity for your server. The configuration selected below will apply to the selected server 'mydb12345' and all databases it manages. [Learn more](#)

Firewall rules

The settings displayed below are read-only. They can be modified from the "Firewalls and virtual networks" blade for the selected server after database creation. [Learn more](#)

Allow Azure services and resources to access this server

No

Yes

Add current client IP address *

No

Yes

Private endpoints

Private endpoint connections are associated with a private IP address within a Virtual Network. The list below shows all the private endpoint connections for this server. Note that private endpoint connections are defined at the server level and they provide access to all databases in the server. [Learn more](#)

+ [Add private endpoint](#)

Name	Subscription	Resource group	Region	Subnet
Click on add to create private endpoint				

Connection policy

The settings displayed below are read-only. They can be modified from the "Firewalls and virtual networks" blade for the selected server after database creation. [Learn more](#)

Connection policy ⓘ

☒ Default - Uses Redirect policy for all client connections originating inside of Azure and Proxy for all client connections originating outside Azure

☐ Proxy - All connections are proxied via the Azure SQL Database gateways

☐ Redirect - Clients establish connections directly to the node hosting the database

Encrypted connections

The settings displayed below are read-only. They can be modified from the "Firewalls and virtual networks" blade for the selected server after database creation. [Learn more](#)

Minimum TLS version ⓘ

TLS 1.2

▼

Microsoft Defender for SQL

Protect your data using Microsoft Defender for SQL, a unified security package including vulnerability assessment and advanced threat protection for your server. [Learn more](#)

Microsoft Defender for SQL has already been enabled on the selected server.

Ledger

Ledger cryptographically verifies the integrity of your data and detects any tampering that might have occurred. [Learn more](#)

Ledger

Not configured

[Configure ledger](#)

Identity

Use system-assigned and user-assigned managed identities to enable central access management between this database and other Azure resources. [Learn more](#)

Identity settings for the existing server can be updated by navigating to 'mydb12345'

Transparent data encryption

Customize additional configuration parameters including collation & sample data.

Data source

Start with a blank database, restore from a backup or select sample data to populate your new database.

Use existing data *

None

Backup

Sample

Database collation

Database collation defines the rules that sort and compare data, and cannot be changed after database creation. The default database collation is SQL_Latin1_General_CP1_CI_AS. [Learn more](#)

Collation * ⓘ

SQL_Latin1_General_CP1_CI_AS

[Find a collation](#)

Maintenance window

Select a preferred maintenance window from the drop down. Please note, during a maintenance event, Azure SQL Database are fully available and accessible but some of the maintenance updates require a failover as Azure takes SQL DB instances offline for a short time to apply the maintenance updates. If the database is part of elastic pool, the maintenance configuration of elastic pool will be applied. [Learn more](#)

Maintenance window

System default (5pm to 8am)

▼

Tags are name/value pairs that enable you to categorize and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name	Value	Resource
<input type="text"/>	:	<input type="text"/> SQL database

Create

< Previous

Download a template for automation



Deployment is in progress

 Deployment name: Microsoft.SqlDatabase.newDatabaseExistingSe...
Subscription: [Pay-As-You-Go](#)
Resource group: [SQLServer1](#)

Start time: 7/9/2022, 11:06:06 AM
Correlation ID: 3d6e87b7-5378-4423-a1d0-7a3d6e8dd934



Deployment details (Download)

Resource	Type	Status	Operation details
 mydb12345/mydb123456	Microsoft.Sql/servers/databases	Accepted	Operation details
 mydb12345	Microsoft.Sql/servers	OK	Operation details

Start working with your database

Connect to your database and start working with data with a few simple steps. [Learn more](#)



Configure access

Configure network access to your SQL server. [Learn more](#)

Configure



Connect to application

Use connection strings to connect to your SQL database from your applications and favorite tools.

See connection strings



Start developing

Work in your database by using tools to add, modify and query data. [Compare tools](#)

Open Azure Data Studio

[Open in Visual Studio](#)



Start Modern Data Workflow in Azure Data Studio

Azure Data Studio is a new open source, cross-platform desktop environment for data professionals using the Azure Data family of on-premises and cloud data platforms. [Learn more](#)

Download Azure Data Studio

Already have the app? [Launch it now](#)