

Task 1

Create an azure sql database with Sample Adventure Works database with S0 Pricing tier, and setup Geo Replication with East US 2 Region.

The screenshot displays the Microsoft Azure portal interface. At the top, the navigation bar shows the user is logged in as Ashfaq.Pathan@ifi.tech. The main content area shows the 'Azure services' section with various icons for creating resources, subscriptions, SQL virtual machines, all resources, disks, virtual networks, and Azure SQL. A 'Recent resources' table lists several resources including 'vm2', 'Data - Deepak & Ashfaq', 'vm1-ip', 'vm1', 'vm1', 'SQLVM-RG', 'microsoftgoldpartner.com', and 'MyTaskRG'. Below this is a 'Navigate' section with links to Subscriptions, Resource groups, All resources, and Dashboard.

The 'Select SQL deployment option' dialog is open, showing three options for how to use the service:

- SQL databases**: Best for modern cloud applications. Hyperscale and serverless options are available. Resource type: Single database. Buttons: Create, Show details.
- SQL managed instances**: Best for most migrations to the cloud. Lift-and-shift ready. Resource type: Single instance. Buttons: Create, Show details.
- SQL virtual machines**: Best for migrations and applications requiring OS-level access. Lift-and-shift ready. Image: [Dropdown menu]. Buttons: Create, Show details.

The 'SQL databases' option is currently selected, and the 'Create' button is highlighted.

Microsoft Azure

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Home > Azure SQL > Select SQL deployment option >

Create SQL Database

Microsoft

Project details

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

Subscription *
Data - Deepak & Ashfaq

Resource group *
(New) task1
[Create new](#)

Database details

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

Database name *
task1DB

Server *
Select a server
[Create new](#)

The value must not be empty.

Want to use SQL elastic pool? *
☐ Yes ☒ No

Compute + storage *
Please select a server first.

Review + create

Next : Networking >

New server

Microsoft

Server name *
task1server

Server admin login *
task1

Password *

Confirm password *

Location *
(US) East US

OK

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Home > Azure SQL > Select SQL deployment option > Create SQL Database >

Configure

Feedback

Basic
For less demanding workloads

Standard
For workloads with typical performance requirements

Premium
For IO-intensive workloads.

vCore-based purchasing options

Click here to customize your performance using vCores

DTUs [What is a DTU? is](#)

10 (S0)

Data max size

250 GB

250 GB

SQL

Cost summary

Cost per DTU (in --)

DTUs selected x 10

ESTIMATED COST / MONTH -- --

Apply

Apply

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Home > Azure SQL > Select SQL deployment option >

Create SQL Database

Microsoft

BasicsNetworkingSecurityAdditional settingsTagsReview + create

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 *

NoneBackupSample

AdventureWorksLT will be created as the sample database.

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

Review + createPreviousNext: Tags >

Type here to search

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Home >

Microsoft.SQLDatabase.newDatabaseNewServer_5f34813af30e44a1947f2 | Overview

Deployment

Search (Ctrl+J)DeleteCancelRedeployRefresh

OverviewInputsOutputsTemplate

We'd love your feedback! →

Deployment is in progress

Deployment name: Microsoft.SQLDatabase.newDatabaseNewServe... Start time: 5/2/2021, 4:12:05 PM
Subscription: Data - Deepak & Ashfaq Correlation ID: 0bad9429-9f87-4729-909b-bc209c1884bc
Resource group: task1

Deployment details (Download)

Resource	Type	Status	Operation details
No results.			

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Home > task1DB (task1server/task1DB) | Geo-Replication

task1DB (task1server/task1DB) | Geo-Replication

SQL database

Search (Ctrl+/)

Connection strings

Properties

Locks

Data management

Geo-Replication

Sync to other databases

Integrations

Stream analytics (preview)

Add Azure Search

Security

Auditing

Data Discovery & Classification

Dynamic Data Masking

Security Center

Transparent data encryption

Intelligent Performance

Select a region from the Target Regions list to create a secondary database.

You can now automatically manage replication, connectivity and failover of this database by adding it to failover group.

Server/Database	Failover policy	Status
Primary		
task1server/task1DB	None	Online
Secondaries		
Geo-Replication is not configured		
Target regions		
West US		
West US 2		
Central US		
West Central US		
South Central US		
North Central US		
Canada Central		
East US		

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

Home > task1DB (task1server/task1DB) >

Create SQL Database - Geo Replica

Microsoft

Primary database details

Additional settings will be defaulted where possible based on the the primary database.

Primary database: task1DB

Database details

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

Database name *: task1DB

Server *: Select a server (Create new)

Region: Please select a server in the desired region.

Want to use SQL elastic pool? *: Yes No

Compute + storage *: Unable to retrieve the pricing configuration data for this region at this moment. Please retry. (Configure database)

Review + create Next: Review + create >

New server

Microsoft

Server name *: task1servergeo ✓

Server admin login *: task1geo ✓

Password *: ***** ✓

Confirm password *: ***** ✓

Location *: (US) East US 2 ✓

OK

Microsoft Azure

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Home > task1DB (task1server/task1DB)

task1DB (task1server/task1DB) | Geo-Replication

SQL database

Search (Ctrl+J)

«

Data management

Geo-Replication

Sync to other databases

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Intelligent Performance

Performance overview

Performance recommendations

Query Performance Insight

Select a region from the Target Regions list to create a secondary database.

You can now automatically manage replication, connectivity and failover of this database by adding it to failover group.

	Server/Database	Fallover policy	Status	
Primary				
✓	East US	task1server/task1DB	None	Online
Secondaries				
✓	East US 2	task1servergeo/task1DB		Readable
Target regions				
⬡	West US			
⬡	West US 2			
⬡	Central US			
⬡	West Central US			
⬡	South Central US			
⬡	North Central US			
⬡	Canada Central			
⬡	East US			

Type here to search

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