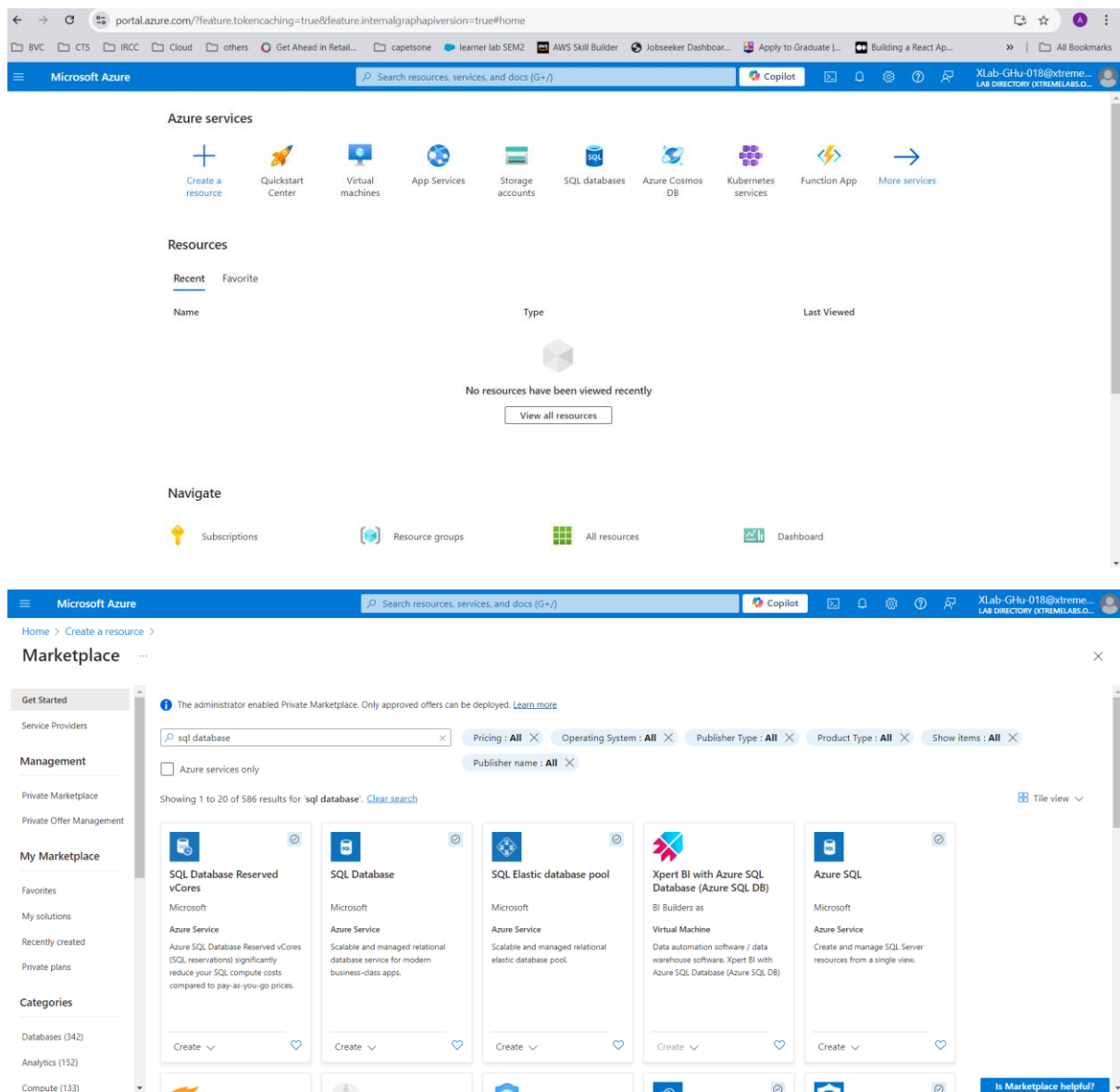


In this task, I created an Azure SQL Database, a PostgreSQL database, and a MySQL database in the Azure cloud. Additionally, I created several tables within the Azure SQL Database to establish the initial data structure.

Relational Database in Azure cloud:



portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiversion=true#view/Microsoft_Azure_Marketplace/MarketplaceOffersBlade/searchQuery/sql%20database/searchInitiatedFro...

Microsoft Azure

Home > Marketplace

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Private Offer Management

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Private plans

Categories

Databases (342)

Analytics (152)

Compute (133)

SQL Database Reserved vCores

Microsoft

Azure Service

Azure SQL Database Reserved vCores (SQL reservations) significantly reduce your SQL compute costs compared to pay-as-you-go prices.

Create

SQL Database

Microsoft

Azure Service

Scalable and managed relational database service for modern business-class apps.

Create

SQL Elastic database pool

Microsoft

Azure Service

Scalable and managed relational elastic database pool.

Create

Xpert BI with Azure SQL Database (Azure SQL DB)

BI Builders as

Virtual Machine

Data automation software / data warehouse software. Xpert BI with Azure SQL Database (Azure SQL DB)

Create

Azure SQL

Microsoft

Azure Service

Create and manage SQL Server resources from a single view.

Create

Database Performance Analyzer

SolarWinds Worldwide LLC

Azure Application

For custom pricing please contact your SolarWinds Account Manager or Sales@Solarwinds.com.

Azure SQL Database solution for sentinel

Microsoft Corporation

Azure Application

Microsoft Sentinel Provided Threat Protection for SQL Preview

Microsoft Windows SQL Server Database Audit

Microsoft Sentinel Community, ...

Azure Application

Microsoft Windows SQL Server Database Audit

Azure Database Migration Service

Microsoft

Azure Service

Azure Database Migration Service

SQL Vulnerability Assessment

Microsoft

Log Analytics

SQL Vulnerability Assessment

is Marketplace helpful?

Microsoft Azure

Home > Marketplace > 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

<https://aka.ms/hsignite2023>

Microsoft Azure

Home > Marketplace > 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

Single database

Elastic pool

Database server

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

Microsoft Azure

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

Copilot

XLab-GHu-018@xtreme...
LAB DIRECTORY (XTREMELABS.O...

Home > Select SQL deployment option > Create SQL Database >

Create SQL Database Server

Microsoft

Server details

Enter required settings for this server, including providing a name and location. This server will be created in the same subscription and resource group as your database.

Server name *

akila-server

.database.windows.net

Location *

(US) East US

Authentication

Azure Active Directory (Azure AD) is now Microsoft Entra ID. [Learn more](#)

Select your preferred authentication methods for accessing this server. Create a server admin login and password to access your server with SQL authentication, select only Microsoft Entra authentication [Learn more](#) or using an existing Microsoft Entra user, group, or application as Microsoft Entra admin [Learn more](#) , or select both SQL and Microsoft Entra authentication.

OK

Microsoft Azure

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Create SQL Database Server

Microsoft

Authentication

Azure Active Directory (Azure AD) is now Microsoft Entra ID. [Learn more](#)

Select your preferred authentication methods for accessing this server. Create a server admin login and password to access your server with SQL authentication, select only Microsoft Entra authentication [Learn more](#) or using an existing Microsoft Entra user, group, or application as Microsoft Entra admin [Learn more](#) , or select both SQL and Microsoft Entra authentication.

Authentication method

☐ Use Microsoft Entra-only authentication

☐ Use both SQL and Microsoft Entra authentication

☒ Use SQL authentication

Server admin login *

akila

Password *

Confirm password *

✔ Password and confirm password must match.

OK

Microsoft Azure

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Home > Select SQL deployment option > Create SQL Database >

Configure

Feedback

Service and compute tier

Select from the available tiers based on the needs of your workload. The vCore model provides a wide range of configuration controls and offers Hyperscale and Serverless to automatically scale your database based on your workload needs. Alternately, the DTU model provides set price/performance packages to choose from for easy configuration. [Learn more](#)

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

Service tier

Basic (For less demanding workloads)

vCore-based purchasing model

General Purpose (Most budget friendly)

Hyperscale (Highly scalable compute and storage)

Business Critical (Highest availability and performance)

DTU-based purchasing model

Basic (For less demanding workloads)

Standard (Budget friendly)

Premium (Highest availability and performance)

DTUs [Compare DTU options](#)

5 (Basic)

Data max size (GB)

SQL

Cost summary

Basic (Basic)

Cost per DTU (in USD)

0.98

DTUs selected

x 5

ESTIMATED COST / MONTH

4.90 USD

Apply

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Home > Select SQL deployment option >

Create SQL Database

Microsoft

Workload environment

Development

Production

Default settings provided for Production workloads. Configurations can be modified as needed.

Compute + storage *

Basic

500 MB storage

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

Review + create

Next : Networking >

Microsoft Azure

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XLab-GHu-018@xtreme...
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Home > Select SQL deployment option >

Create SQL Database

Microsoft

Network connectivity

Choose an option for configuring connectivity to your server via public endpoint or private endpoint. Choosing no access creates with defaults and you can configure connection method after server creation. [Learn more](#)

Connectivity method *

No access

Public endpoint

Private endpoint

Firewall rules

Setting 'Allow Azure services and resources to access this server' to Yes allows communications from all resources inside the Azure boundary; that may or may not be part of your subscription. [Learn more](#)

Setting 'Add current client IP address' to Yes will add an entry for your client IP address to the server firewall.

Allow Azure services and resources to access this server *

No

Yes

Add current client IP address *

No

Yes

Connection policy

Configure how clients communicate with your SQL database server. [Learn more](#)

Review + create

< Previous

Next : Security >

Cost summary

Basic (Basic)

Cost per DTU (in USD)

0.98

DTUs selected

x 5

ESTIMATED COST / MONTH

4.90 USD

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

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Home > Select SQL deployment option >

Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags Review + create

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](#)

Get started with a 30 day free trial period, and then 15 USD/server/month.

Enable Microsoft Defender for SQL *

Start free trial

Not now

Ledger

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

Ledger

Not configured

Configure ledger

Server identity

Use system assigned and user assigned managed identities to enable central access management between this database

Review + create

< Previous

Next : Additional settings >

Cost summary

Basic (Basic)

Cost per DTU (in USD)

0.98

DTUs selected

x 5

ESTIMATED COST / MONTH

4.90 USD

Microsoft Azure

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

Copilot

XLab-GHr-018@xtreme-LAB DIRECTORY (XTREME)ABS.O...

Home > 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.

AdventureWorksLT

Selecting this sample will modify the "Compute + Storage" settings configured in Basics, for backup compatibility. Visit "Basics" or "Review + Create" tabs to review the changes.

Do you want to continue?

OKCancel

Cost summary

Basic (Basic)

Cost per DTU (in USD)

0.98

DTUs selected

x 5

ESTIMATED COST / MONTH

4.90 USD

Review + create

< Previous

Next: Tags >

Microsoft Azure

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

Copilot

XLab-GHr-018@xtreme-LAB DIRECTORY (XTREME)ABS.O...

Home > Select SQL deployment option >

Create SQL Database

Microsoft

BasicsNetworkingSecurityAdditional settingsTagsReview + create

Product details

SQL database by Microsoft

Terms of use | Privacy policy

Estimated cost per month

4.90 USD

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. For additional details see [Azure Marketplace Terms](#).

Basics

Subscription

XLabs-018

Resource group

Akila_RG

Region

East US

Database name

Lab2_DB_Akila

Cost summary

Basic (Basic)

Cost per DTU (in USD)

0.98

DTUs selected

x 5

ESTIMATED COST / MONTH

4.90 USD

Create

< Previous

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Microsoft Azure

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

Copilot

XLab-GHr-018@xtreme-LAB DIRECTORY (XTREME)ABS.O...

Home > Select SQL deployment option >

Create SQL Database

Microsoft

Basics

Subscription

XLabs-018

Resource group

Akila_RG

Region

East US

Database name

Lab2_DB_Akila

Server

(new) akila-server

Authentication method

SQL authentication

Server admin login

akila

Compute + storage

Basic: 500 MB storage

Backup storage redundancy

Locally-redundant backup storage

Networking

Allow Azure services and resources to access this server

Yes

Add current client IP address

Yes

142.110.43.189

Private endpoint

None

Minimum TLS version

1.2

Connection Policy

Default

Create

< Previous

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Microsoft Azure

Search resources, services, and docs (G+)

Copilot

XLab-GHu-018@xtreme...
LAB DIRECTORY (XTREMELABSO...

Home >

Microsoft.SQLDatabase.newDatabaseNewServer_c2846314d04f4d818428a | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name : Microsoft.SQLDatabase.newDatabaseNewServer_c284... Start time : 9/25/2024, 10:02:54 AM
Subscription : XLabs-018 Correlation ID : 8f3c781e-ee97-4097-99f9-0908cfa6b145
Resource group : Akila_RG

Deployment details

Resource	Type	Status	Operation details
akila-server	Microsoft.Sql/servers	Accepted	Operation details

Give feedback
Tell us about your experience with deployment

Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials
Start learning today >

Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
Find an Azure expert >

portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiversion=true#@xtremelabs.onmicrosoft.com/resource/subscriptions/33e5becf-88fe-41ee-bd3b-85e09fa639d/resource...

BVC CTS IRCC Cloud others Get Ahead in Retail... capetone learner lab SEM2 AWS Skill Builder Jobseeker Dashboar... Apply to Graduate B... Building a React Ap...

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

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LAB DIRECTORY (XTREMELABSO...

Home > Microsoft.SQLDatabase.newDatabaseNewServer_c2846314d04f4d818428a | Overview >

Lab2_DB_Akila (akila-server/Lab2_DB_Akila)

SQL database

Search

Copy Restore Export Set server firewall Delete Connect with... Feedback

Overview

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Tags

Diagnose and solve problems

Query editor (preview)

Mirror database in Fabric (preview)

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Monitoring

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Help

Mirror databases in Microsoft Fabric Easily replicate your existing databases in Fabric, and help your team achieve streamlined ETL and operational analytics goals. Learn more

Essentials

Resource group (move) : Akila_RG

Status : Online

Location : East US

Subscription (move) : XLabs-018

Subscription ID : 33e5becf-88fe-41ee-bd3b-85e09fa639d

Tags (edit) : Add tags

Server name : akila-server.database.windows.net

Elastic pool : No elastic pool

Connection strings : Show database connection strings

Pricing tier : Basic

Earliest restore point : No restore point available

JSON View

Getting started Monitoring Properties Features Notifications (0) Integrations Tutorials

Start working with your database

Connect to your database and start working with data with a few simple steps. Learn more

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

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Home > Microsoft.SQLDatabase.newDatabaseNewServer_c2846314d04f4d818428a | Overview > Lab2_DB_Akila (akila-server/Lab2_DB_Akila)

Lab2_DB_Akila (akila-server/Lab2_DB_Akila) | Query editor (preview)

SQL database

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Query editor (preview)

Mirror database in Fabric (preview)

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Help

Query editor (preview) is a tool to run SQL queries against Azure SQL Database in the Azure portal. It is designed for lightweight querying and object exploration in your database. For more information and troubleshooting. Learn more

SQL

Welcome to SQL Database Query Editor

SQL server authentication

Login *
akila

Password *

OK

Microsoft Entra authentication

Continue as XLab-GHu-018@xtremelab...

OR

Microsoft Azure

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Copilot

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Lab2_DB_Akila (akila-server/Lab2_DB_Akila) | Query editor (preview) ☆ ...

SQL database

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Lab2_DB_Akila (akila)

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables

Views

Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

1

Results Messages

Search to filter items...

Ready

Microsoft Azure

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

Copilot

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Lab2_DB_Akila (akila-server/Lab2_DB_Akila) | Query editor (preview) ☆ ...

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Lab2_DB_Akila (akila)

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables

- dbo.BuildVersion
- dbo.ErrorLog
- SalesLT.Address
- SalesLT.Customer
- SalesLT.CustomerAddress
- SalesLT.Product
- SalesLT.ProductCategory
- SalesLT.ProductDescription
- SalesLT.ProductModel
- SalesLT.ProductModelProductD...
- SalesLT.SalesOrderDetail
- SalesLT.SalesOrderHeader

Views

Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

1

Results Messages

Search to filter items...

Ready

Microsoft Azure

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Lab2_DB_Akila (akila-server/Lab2_DB_Akila) | Query editor (preview) ☆ ...

SQL database

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Lab2_DB_Akila (akila)

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables

- dbo.BuildVersion
- dbo.ErrorLog
- SalesLT.Address
- SalesLT.Customer
- SalesLT.CustomerAddress
- SalesLT.Product
- SalesLT.ProductCategory
- SalesLT.ProductDescription
- SalesLT.ProductModel
- SalesLT.ProductModelProductD...
- SalesLT.SalesOrderDetail
- SalesLT.SalesOrderHeader

Views

Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

1

SELECT * FROM SalesLT.Product;

Results Messages

Search to filter items...

ProductID	Name	ProductNumber	Color	StandardCos
680	HL Road Frame - Black, 58	FR-R92B-58	Black	1059.3100
706	HL Road Frame - Red, 58	FR-R92R-58	Red	1059.3100
707	Sport-100 Helmet, Red	HL-U509-R	Red	13.0863

Query succeeded | 1s

Microsoft Azure

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Lab2_DB_Akila (akila-server/Lab2_DB_Akila) | Query editor (preview) ☆ ...

SQL database

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Tables

dbo.BuildVersion

dbo.ErrorLog

SalesLT.Address

SalesLT.Customer

SalesLT.CustomerAddress

SalesLT.Product

SalesLT.ProductCategory

SalesLT.ProductDescription

SalesLT.ProductModel

SalesLT.ProductModelProductDe...

SalesLT.SalesOrderDetail

SalesLT.SalesOrderHeader

Views

Stored Procedures

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Query 1

Run Cancel query Save query Export data as Show only Editor

```
1 SELECT ProductID, Name, ListPrice, ProductCategoryID
2 FROM SalesLT.Product;
```

Results Messages

Search to filter items...

ProductID	Name	ListPrice	ProductCategoryID
680	HL Road Frame - Black, 58	1431.5000	18
706	HL Road Frame - Red, 58	1431.5000	18
707	Sport-100 Helmet, Red	34.9900	35

Query succeeded | 0s

Microsoft Azure

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Lab2_DB_Akila (akila-server/Lab2_DB_Akila) | Query editor (preview) ☆ ...

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dbo.ErrorLog

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SalesLT.CustomerAddress

SalesLT.Product

SalesLT.ProductCategory

SalesLT.ProductDescription

SalesLT.ProductModel

SalesLT.ProductModelProductDe...

SalesLT.SalesOrderDetail

SalesLT.SalesOrderHeader

Views

Stored Procedures

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Query 1

Run Cancel query Save query Export data as Show only Editor

```
1 SELECT p.ProductID, p.Name AS ProductName,
2       c.Name AS Category, p.ListPrice
3 FROM SalesLT.Product AS p
4 JOIN [SalesLT].[ProductCategory] AS c
5 ON p.ProductCategoryID = c.ProductCategoryID;
```

Results Messages

Search to filter items...

ProductID	ProductName	Category	ListPrice
771	Mountain-100 Silver, 38	Mountain Bikes	3399.9900
772	Mountain-100 Silver, 42	Mountain Bikes	3399.9900
773	Mountain-100 Silver, 44	Mountain Bikes	3399.9900

Query succeeded | 0s

Module 2 – PostgreSQL

portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiversion=true#view/Microsoft_Azure_Marketplace/PlusNew.ReactView/package/hub/additionalConfig~/~/B%7D/select...

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Identity

Integration

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IT & Management Tools

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azure database for postgresql flexible server

azure database for postgresql

azure database for pos

Azure Database for PostgreSQL - Azure Arc (Preview)

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Windows Server 2019 Datacenter

Ubuntu Server 20.04 LTS

Ubuntu Server 22.04 LTS

Red Hat Enterprise Linux 7.4

Essentials 50K

MongoDB Atlas (pay-as-you-go)

Standard

Give feedback

portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiversion=true#view/Microsoft_Azure_Marketplace/MarketplaceOffersBlade/searchQuery/azure%20database%20for%20...

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Databases (60)

Compute (55)

Web (31)

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

The administrator enabled Private Marketplace. Only approved offers can be deployed. Learn more

azure database for postgresql

Pricing: All

Operating System: All

Publisher Type: All

Product Type: All

Show items: All

Azure services only

Publisher name: All

Showing 1 to 20 of 144 results for 'azure database for postgresql'. Clear search

Tile view

Azure Database for PostgreSQL

Azure Database for PostgreSQL Flexible Server

Azure Database for PostgreSQL - Azure Arc

Azure Cosmos DB for PostgreSQL

Oracle Database Migration to PostgreSQL on Azure

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Microsoft Azure

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Copilot

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Home > Create a resource > Marketplace >

New Azure Database for PostgreSQL Flexible server

Microsoft

⚠ Server names, networking connectivity method and backup redundancy cannot be changed after server is created. Review these options carefully before provisioning.

Project details

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

Subscription *

XLabs-018

Resource group *

(New) RG_postgresdb_akila

Create new

Server details

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

Server name *

postgresdb-akila

Region *

East US

PostgreSQL version *

16

Workload type

Development

Production

Estimated costs

Compute Sku

USD 12.41/month

Standard_B1ms (1 vCore)

12.41

Storage

USD 3.68/month

Storage selected 32 GiB (USD 0.12 per GiB)

32 x 0.12

Bandwidth

For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free. [Learn more](#)

Estimated total

USD 16.09/month

Prices reflects an estimates only. [View](#)

Review + create

Next: Networking >

Microsoft Azure

Search resources, services, and docs (G+)

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LAB DIRECTORY (XTREMELABS.O...

Home > Create a resource > Marketplace >

New Azure Database for PostgreSQL Flexible server

Microsoft

⚠ Server names, networking connectivity method and backup redundancy cannot be changed after server is created. Review these options carefully before provisioning.

Azure Active Directory (Azure AD) is now Microsoft Entra ID. [Learn more](#)

Select the authentication methods you would like to support for accessing this PostgreSQL server. PostgreSQL password authentication allows you to create and use a ROLES (usernames) and use a password to authenticate. Enabling Microsoft Entra authentication allows you to create ROLES based on your Microsoft Entra accounts and generate an authentication token with which to authenticate. [Learn more](#)

Authentication method

PostgreSQL authentication only

Microsoft Entra authentication only

PostgreSQL and Microsoft Entra authentication

Admin username *

Akila

Password *

Confirm password *

Estimated costs

Compute Sku

USD 12.41/month

Standard_B1ms (1 vCore)

12.41

Storage

USD 3.68/month

Storage selected 32 GiB (USD 0.12 per GiB)

32 x 0.12

Bandwidth

For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free. [Learn more](#)

Estimated total

USD 16.09/month

Prices reflects an estimates only. [View Azure pricing calculator](#)

Final charges will appear in your local currency in cost analysis and billing views.

Review + create

Next: Networking >

portal.azure.com/?feature.tokencaching=true&feature.internalgraphapiersion=true#create/Microsoft.PostgreSQLServer

Microsoft Azure

Search resources, services, and docs (G+)

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Home > Create a resource > Marketplace >

New Azure Database for PostgreSQL Flexible server

Microsoft

⚠ Server names, networking connectivity method and backup redundancy cannot be changed after server is created. Review these options carefully before provisioning.

Inbound connections from the IP addresses specified below will be allowed to port 5432 on this server. [Learn more](#)

☐ Allow public access from any Azure service within Azure to this server

+ Add current client IP address (142.110.43.189) + Add 0.0.0.0 - 255.255.255.255

Firewall rule name	Start IP address	End IP address
ClientIPAddress_2024-9-25_10-26-57	142.110.43.189	142.110.43.189
<input type="text"/>	<input type="text"/>	<input type="text"/>

Private endpoint

Create private endpoints to allow hosts in the selected virtual network to access this server

+ Add private endpoint

Delete

Name	Subscription	Resource group	Location	Subnet
No results				

Estimated costs

Compute Sku

USD 12.41/month

Standard_B1ms (1 vCore)

12.41

Storage

USD 3.68/month

Storage selected 32 GiB (USD 0.12 per GiB)

32 x 0.12

Bandwidth

For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free. [Learn more](#)

Estimated total

USD 16.09/month

Prices reflects an estimates only. [View](#)

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New Azure Database for PostgreSQL Flexible server

Microsoft

Basics Networking Security Tags **Review + create**

Product details
Azure Database for PostgreSQL
by Microsoft
[Terms of use](#) | [Privacy policy](#)

Basics (Change)
Subscription: XLabs-018
Resource group: RG_postgresdb_akila
Server name: postgresdb-akila
Server admin login name: Akila
Location: East US
Availability zone: No preference
High availability: Not Enabled
PostgreSQL version: 16
Compute + storage: Burstable, B1ms, 1 vCores, 2 GiB RAM, 32 GiB storage, P4 (120 IOPS)
Backup retention period (in days): 7 day(s)

Estimated costs

Compute Sku USD 12.41/month
Standard_B1ms (1 vCore) 12.41

Storage USD 3.68/month
Storage selected 32 GiB (USD 0.12 per GiB) 32 x 0.12

Bandwidth
For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free. [Learn more](#)

Estimated total USD 16.09/month
Prices reflects an estimates only. [View Azure pricing calculator](#)
Final charges will appear in your local currency in cost analysis and billing views.

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Home >

PostgreSqlFlexibleServer_542b5e98db014b9097668d7242f67fd9 | Overview

Deployment

*** Deployment in progress...
Deployment to resource group 'RG_postgresdb_akila' is in progress.

Search

Delete Cancel Redeploy Download Refresh

Overview
Inputs
Outputs
Template

Deployment is in progress
Deployment name: PostgreSqlFlexibleServer_542b5e98db014b9097... Start time: 9/25/2024, 10:28:13 AM
Subscription: XLabs-018 Correlation ID: 69ce6511-6f24-4091-bb29-33666302c8d9
Resource group: RG_postgresdb_akila
Deployment details

Resource	Type	Status	Operation details
No results.			

Give feedback
Tell us about your experience with deployment

Get started with PostgreSQL Flexible Server
Free Microsoft tutorials
Create Python + PostgreSQL App
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PostgreSqlFlexibleServer_542b5e98db014b9097668d7242f67fd9 | Overview

Deployment

Search

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Overview
Inputs
Outputs
Template

Your deployment is complete
Deployment name: PostgreSqlFlexibleServer_542b5e98db014b9097... Start time: 9/25/2024, 10:28:13 AM
Subscription: XLabs-018 Correlation ID: 69ce6511-6f24-4091-bb29-33666302c8d9
Resource group: RG_postgresdb_akila
Deployment details
Next steps
[Learn how to manage your server](#) Recommended
[For public access connectivity, setup a firewall rule to connect to the server](#) Recommended
[Learn about private access connectivity method](#) Recommended
[Setup monitoring alerts](#) Recommended
[Go to resource](#)
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 >](#)
Get started with PostgreSQL Flexible Server
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Create Python + PostgreSQL App
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Find an Azure expert >

MySQL Database:

The screenshot displays the Microsoft Azure Marketplace interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and a Copilot button. The main content area is titled "Marketplace" and shows search results for "azure database for mysql". The results are displayed in a grid of cards, each representing a different MySQL service or deployment option. The cards include the MySQL logo, the service name, the publisher, and a "Create" button. The services listed are:

- Azure Database for MySQL (Microsoft)
- Azure Database for MySQL Flexible Server (Microsoft)
- Azure Database Migration Service (Microsoft)
- MySQL Server (Cloud Infrastructure Services)
- Database Performance Analyzer (SolarWinds Worldwide LLC)
- Cloud Native Database for MySQL (VMLAB INC.)
- MySQL Server and phpMyadmin (Cloud Infrastructure Services)
- MySQL on Ubuntu 22.04 (Ntegral Inc.)
- MySQL Server on Ubuntu 22.04 (Cloud Infrastructure Services)
- MySQL on Centos7.9 (Apps4Rent LLC)

Below the search results, there is a section titled "Select Azure Database for MySQL deployment option" with a "Feedback" link. This section contains two deployment guides:


- Flexible server**: Best for production workloads that require zone resiliency, predictable performance, maximum control with IOPs scaling, custom maintenance window, cost optimization controls and simplified developer experience. Includes "Create" and "Learn More" buttons.
- Wordpress + MySQL Flexible server**: Wordpress is state of the art publishing platform with a focus on aesthetics, web standards and usability. Use this template to create Wordpress on APP Service and Azure Database for MySQL Flexible Server in a Virtual network. Includes "Create" and "Learn More" buttons.

At the bottom of the page, there is a URL: <https://go.microsoft.com/fwlink/?linkid=2220695>.

Flexible server ...

Microsoft

 Server names, networking connectivity method, zone redundant HA and backup redundancy cannot be changed after server is created. Review these options carefully before provisioning.

 Azure Active Directory (Azure AD) is now Microsoft Entra ID. [Learn more](#)

Select the authentication methods you would like to support for accessing this MySQL server. MySQL password authentication allows you to create and use a ROLES (usernames) and use a password to authenticate. Enabling Microsoft Entra authentication allows you to create ROLES based on your Microsoft Entra accounts and generate an authentication token with which to authenticate. [Learn more](#)

Authentication method

- ☒ MySQL authentication only
- ☐ Microsoft Entra authentication only
- ☐ MySQL and Microsoft Entra authentication


Admin username *

Password *

Confirm password *

Auto scale IOPS is billed on usage in per million request increments. [Learn more](#)

Backup Retention

Backup retention is billed based on additional storage used for retaining backups. [Learn more](#) 

 \wedge Bandwidth

For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free. [Learn more](#)

Estimated total **USD 14.71/month**

Prices reflects an estimates only. [View](#)

✓ Password and confirm password matched.

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Microsoft Azure

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Flexible server

Microsoft

⚠ Server names, networking connectivity method, zone redundant HA and backup redundancy cannot be changed after server is created. Review these options carefully before provisioning.

below will have access to this server. By default, no public IP addresses are allowed. [Learn more](#)

Public access

☒ Allow public access to this resource through the internet using a public IP address

Firewall rules

Inbound connections from the IP addresses specified below will be allowed to port 3306 on this server. [Learn more](#)

☐ Allow public access from any Azure service within Azure to this server

+ Add current client IP address (142.110.43.189) + Add 0.0.0.0 - 255.255.255.255

Firewall rule name	Start IP address	End IP address
ClientIPAddress_2024-9-25_10-43-59	142.110.43.189	142.110.43.189
<input type="text"/>	<input type="text"/>	<input type="text"/>

Estimated costs

Compute Sku

Standard_B1ms (1 vCore)

USD 12.41/month

12.41

Storage

Storage selected 20 GiB (USD 0.12 per GiB)

USD 2.30/month

20 x 0.12

Auto scale IOPS

Auto scale IOPS is billed on usage in per million request increments. [Learn more](#)

Backup Retention

Backup retention is billed based on additional storage used for retaining

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Flexible server

Microsoft

Basics (Change)

Subscription

XLabs-018

Resource group

RG_Akila_MySQLDB

Server name

mysqladb-akila

Server admin login name

Akila

Location

East US

Availability zone

No preference

High availability

Not Enabled

MySQL version

8.0

Compute + storage

Burstable, B1ms, 1 vCores, 2 GiB RAM, 20 storage, Auto scale IOPS

Backup retention period (in days)

7 day(s)

Accelerated Logs

Not Enabled

Storage Auto-growth

Enabled

Geo-redundancy

Not Enabled

Networking (Change)

Connectivity method

Public access (allowed IP addresses) and Private endpoint

Allow public access to this resource through the internet using a public IP address

Yes

Estimated costs

Compute Sku

Standard_B1ms (1 vCore)

USD 12.41/month

12.41

Storage

Storage selected 20 GiB (USD 0.12 per GiB)

USD 2.30/month

20 x 0.12

Auto scale IOPS

Auto scale IOPS is billed on usage in per million request increments. [Learn more](#)

Backup Retention

Backup retention is billed based on additional storage used for retaining backups. [Learn more](#)

Bandwidth

Create

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Home >

MySQLFlexibleServer_92b235ded71d4faa9539fb34fa64cdd1 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name

MySQLFlexibleServer_92b235ded71d4faa9539fb34fa6...

Start time

9/25/2024, 10:45:00 AM

Subscription

XLabs-018

Correlation ID

7988aee2-48ad-487b-a0ed-6847cc44e0d0

Resource group

RG_Akila_MySQLDB

Deployment details

Resource	Type	Status	Operation details
mysqladb-akila	Azure Database for MySQL flexi...	Accepted	Operation details

Next steps

Get started with MySQL Flexible Server

Free Microsoft tutorials

Create PHP + MySQL App

Microsoft Azure

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Home >

mysqladb-akila

Azure Database for MySQL flexible server

Search

ConnectView process listDeleteReset passwordRestoreRestartStopRefreshFeedback

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Learning center

Settings

Power Platform

Security

Monitoring

Automation

Help

Azure Database for MySQL – Live Webinar series: Learn about the latest updates (with demos) and interact directly with product group on the 2nd Wednesday of every month! Subscribe to our YouTube channel G?

Essentials

Subscription (move) : XLab-GHJ-018

Subscription ID : 33e5becf-88fe-41ee-bd3b-85e09f5a639d

Resource group (move) : BG-Akila-MySQLDB

Status : Available

Location : East US

Tags (edit) : Add tags

Server name : mysqladb-akila.mysql.database.azure.com

Server admin login name : Akila

Configuration : Burstable_8Tms_1_vCores_2_GiB_RAM_20_GiB_storage

MySQL version : 8.0

Availability zone : 2

Created On : 2024-09-25 16:45:16.6091224 UTC

JSON View

Getting started

Properties

Recommendations

Monitoring

Tutorials

Start your project

Connect to your database for the first time with a few simple steps.

Learn

Learn about MySQL Flexible Server through a curated list of modules to take you from zero.

Allow access

Configure network access to your MySQL database.

Connect

View connection string to learn how to connect with the application driver you use.

This training session brought to you by Southern Alberta Institute of Technology (XTP) Powered by XTREMELABS

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Course DP-900T00-A-CEP: Microsoft Azure Data Fundamentals

Go To Lesson

Lab Title: [DP-900T00-A-CEP-M02] Explore relational data in Azure (Lab01, 01a and 01b)

Duration: 120 minutes

Status: Completed

Take Lab

Lab Title: [DP-900T00-A-CEP-M03] Explore non-relational data in Azure (Lab02)

Duration: 120 minutes

Status: Not Initiated

Take Lab

Lab Title: [DP-900T00-A-CEP-M03] Explore non-relational data in Azure (Lab03 and 04)

Duration: 120 minutes

Status: Not Initiated

Take Lab

Lab Title: [DP-900T00-A-CEP-M04] Explore data analytics in Azure (Lab06)

Duration: 120 minutes

Status: Not Initiated

Take Lab

Classroom Chat