

IT4090 Cloud Computing 4th Year, 1st Semester

Azure Lab 5

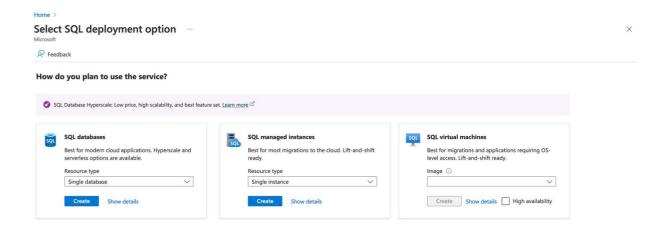
Azure Lab Assignment

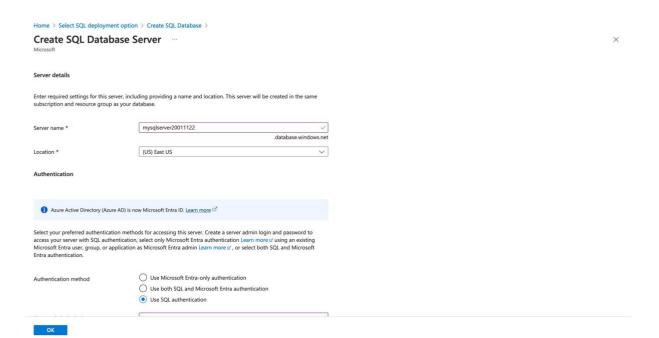
Submitted to
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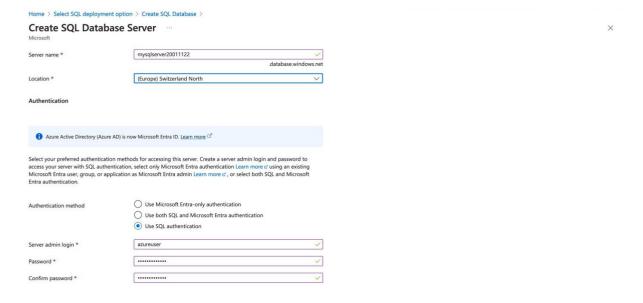
IT21228094

In partial fulfillment of the requirements for the Bachelor of Science Special Honors Degree in Information Technology

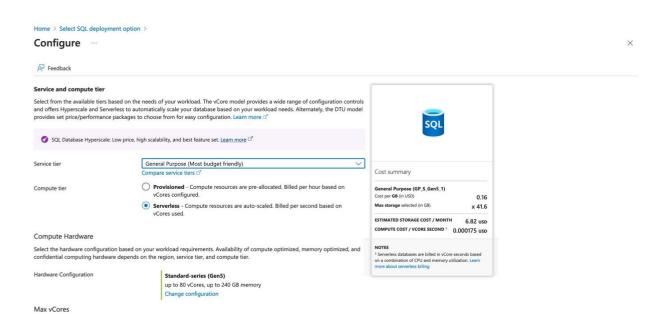
Create a single database



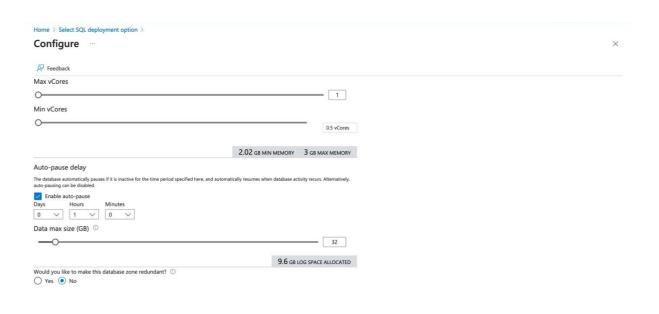




OK



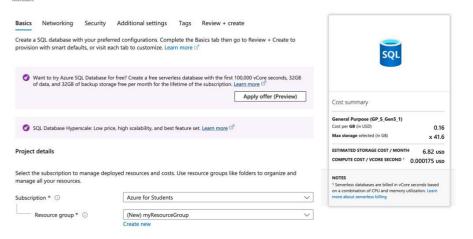
Apply



Apply

Create SQL Database

Microsoft

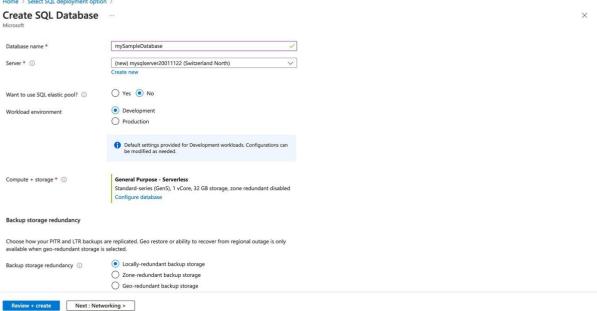


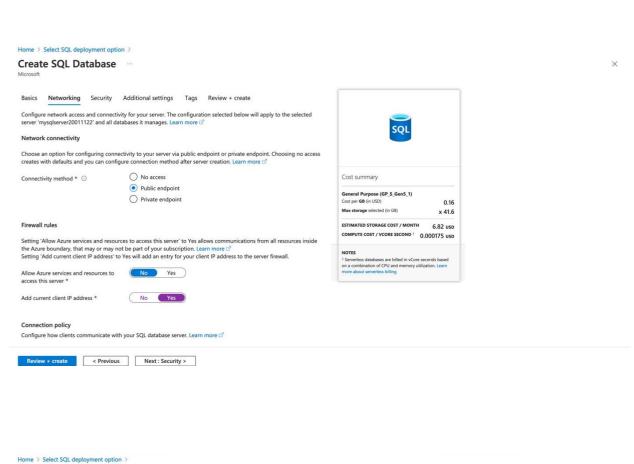
Database details

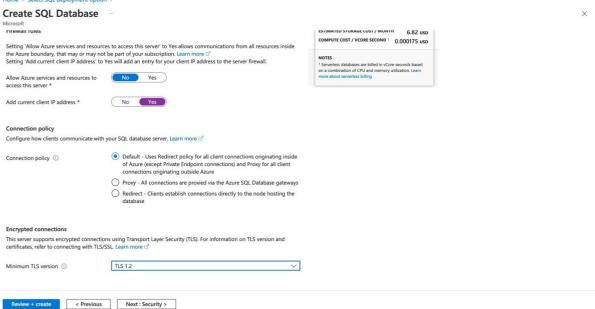
Enter required settings for this database, including picking a logical server and configuring the compute and storage

Review + create Next : Networking >

Home > Select SQL deployment option >







Create SQL Database ...

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 $\ensuremath{\mathfrak{S}}$

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

Basics Networking Security Additional settings Tags Review + create

Enable Microsoft Defender for SQL * ① Start free trial O Not now

Ledger

 ${\it Ledger\ cryptographically\ verifies\ the\ integrity\ of\ your\ data\ and\ detects\ any\ tampering\ that\ might\ have\ occurred.}\ {\it Learn\ of\ power and\ power$

Not configured Configure ledger Ledger

Use system assigned and user assigned managed identities to enable central access management between this database and other Azure resources. Learn more \mathbb{G}^3

Server identity Not enabled

Review + create < Previous Next : Additional settings >

Home > Select SQL deployment option >

Create SQL Database

Use system assigned and user assigned managed identities to enable central access management between this database and other Azure resources. Learn more \mathbb{S}^3

Server identity Not enabled Configure Identities

Transparent data encryption key management

Transparent data encryption encrypts your databases, backups, and logs at rest without any changes to your application. To enable encryption, go to each database. Database level settings if enabled, will override the server level setting. Learn more \mathbb{S}^7

Server level key ①

Service-managed key selected Configure transparent data encryption

Database level key ①

Not configured
Configure transparent data encryption

Always encrypted

Always encrypted is a family of industry-leading data protection features that provide a separation between those who own the data and can view it, and those who manage the data but should have no access, on-premises database administrators, cloud database operators, or other high-privileged but unauthorized users. Learn more ©

ON OFF

Review + create < Previous Next : Additional settings >



Basics Networking Security Additional settings Tags Review + create Customize additional configuration parameters including collation & sample data. Start with a blank database, restore from a backup or select sample data to populate your new database.

Use existing data * None Backup Sample

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_CL.AS. Learn more Officers.

SQL_Latin1_General_CP1_CI_AS Collation ①



Review + create < Previous Next : Tags >

Home > Select SQL deployment option >

Create SQL Database

Basics Networking Security Additional settings Tags Review + create

Product details SQL database

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Estimated cost

Storage cost 6.82 USD / month + Compute cost 0.000175 USD / vCore second

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

Azure for Students Subscription Resource group myResourceGroup Region Switzerland North Database name mySampleDatabase (new) mysqlserver20011122 SQL authentication azureuser Authentication method Server admin login

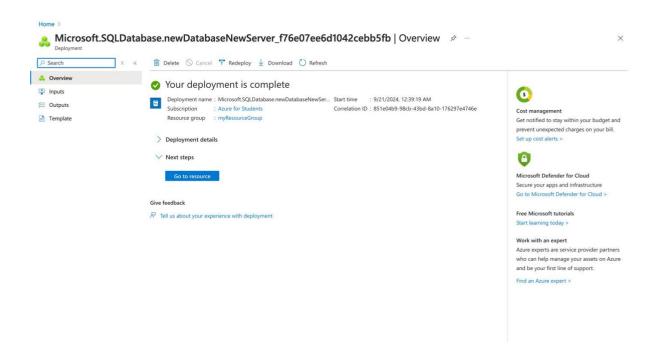
Compute + storage General Purnose - Serverless: Standard-series (Gen5) 1 vCore 32 GR storage

Create < Previous Download a template for automation

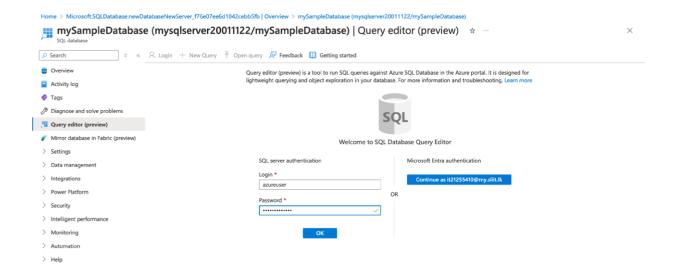


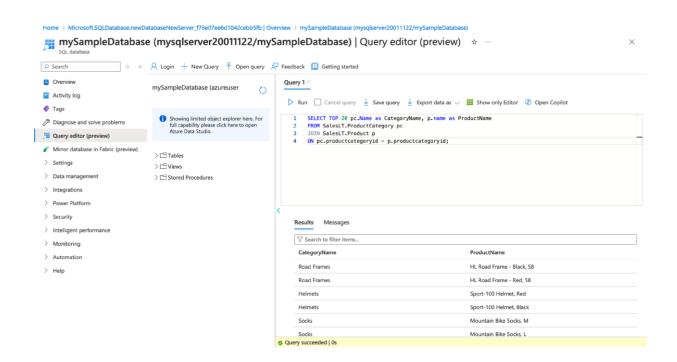


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Query the database





Clean up resources

