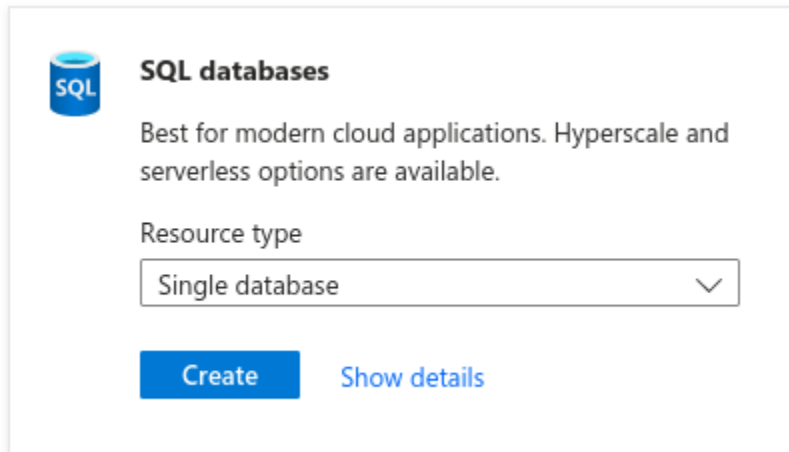


Logged into Azure and finally got my student credits approved

went to [Azure SQL](#) and selected 'SQL Databases' and picked the 'Single Database' option



I then assigned it to a new CIS215 resource group
Named the database 'CIS215A1'
and selected to create a new SQL Server


I called this server ['cis215a1-ethan'](cis215a1-ethan.database.windows.net)
and allowed both SQL and Entra auth
 set myself as the entra admin
 create a server admin
 ethan : {PASSWORD}

I changed the workload to development

Modified the server configuration to be minimal

Configure

 Feedback

 Lower, simplified pricing for SQL Database Hyperscale starts from 15th of December 2023. [Learn more](#)

Service tier General Purpose (Most budget friendly) ▾
[Compare service tiers](#)

Compute tier

☐ **Provisioned** - Compute resources are pre-allocated. Billed per hour based on vCores configured.

☒ **Serverless** - Compute resources are auto-scaled. Billed per second based on vCores used.

Compute Hardware

Select the hardware configuration based on your workload requirements. Availability of compute optimized, memory optimized, and confidential computing hardware depends on the region, service tier, and compute tier.

Hardware Configuration

Standard-series (Gen5)
up to 80 vCores, up to 240 GB memory
[Change configuration](#)

Max vCores

1

Min vCores

0.5 vCores

2.02 GB MIN MEMORY 3 GB MAX MEMORY

Auto-pause delay

The database automatically pauses if it is inactive for the time period specified here, and automatically resumes when database activity recurs. Alternatively, auto-pausing can be disabled.

☒ Enable auto-pause

Days Hours Minutes

0 1 0

Data max size (GB) ⓘ

8

2.4 GB LOG SPACE ALLOCATED

Cost summary

General Purpose (GP_S_Gen5_1)

Cost per GB (in USD) 0.12

Max storage selected (in GB) x 10.4

ESTIMATED STORAGE COST / MONTH 1.20 USD

COMPUTE COST / VCORE SECOND ¹ 0.000145 USD

NOTES

¹ Serverless databases are billed in vCore seconds based on a combination of CPU and memory utilization. [Learn more about serverless billing](#)

I enabled network access to the server

[Home](#) > [Select SQL deployment option](#) > [Create SQL Database](#) >

Create SQL Database ...

Microsoft

Configure network access and connectivity for your server. The configuration selected below will apply to the selected server 'cis215a1-ethan' and all databases it manages. [Learn more](#)

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](#)

Connection policy ⓘ
☒ Default - Uses Redirect policy for all client connections originating inside of Azure (except Private Endpoint connections) 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

This server supports encrypted connections using Transport Layer Security (TLS). For information on TLS version and certificates, refer to connecting with TLS/SSL. [Learn more](#)

Minimum TLS version ⓘ
TLS 1.2



Cost summary

General Purpose (GP_S_Gen5_1)

Cost per GB (in USD) 0.12

Max storage selected (in GB) x 10.4

ESTIMATED STORAGE COST / MONTH 1.20 USD

COMPUTE COST / VCORE SECOND ¹ 0.000145 USD

NOTES

¹ Serverless databases are billed in vCore seconds based on a combination of CPU and memory utilization. [Learn more about serverless billing](#)

left security, additional settings, and tags all default

Unset

Basics

Subscription

Azure for Students

Resource group

CIS215

Region

East US

Database name

CIS215A1

Server

(new) cis215a1-ethan

Authentication method

SQL and Microsoft Entra authentication

Server admin login

ethan

Microsoft Entra Admin

ashleye@ncmich.edu

Compute + storage

General Purpose - Serverless: Standard-series (Gen5), 1 vCore, 8 GB storage

Backup storage redundancy

Locally-redundant backup storage

Networking

Allow Azure services and resources to access this server

No

Add current client IP address 198.108.192.2

Yes

Private endpoint

None

Minimum TLS version

1.2

Connection Policy

Default

Security

Identity

Not enabled

Transparent data encryption (Server level)

Service-managed key selected
Database level customer-managed key
Not configured
Database level user assigned managed identity
Not configured
Advanced data security
Not now
Always encrypted with secure enclaves
Not configured
Sql Ledger(Database)
Disabled
Digest Storage
Disabled

Additional settings

Use existing data
Blank
Collation
SQL_Latin1_General_CP1_CI_AS
Maintenance window
System default (5pm to 8am)

Tags

I then added the server into Azure Data Studio and added a FUN table with a couple of entries

FileEditViewHelp

CONNECTIONS

SERVERS

CIS215A1

Databases

System Databases

CIS215A1

Tables

dbo.FUN

Columns

pk_column (PK, int, not n...

column_1 (int, not null)

Keys

Constraints

Triggers

Indexes

Statistics

Dropped Ledger Tables

Views

Synonyms

Programmability

External Resources

Storage

Security

Security

Rocky VM

Run

Stop

Max Rows: 200

Show SQL Pane

	pk_column	column_1
1	0	256
2	1	256
3	NULL	NULL

PROBLEMS

OUTPUT

TERMINAL

QUERY HISTORY

TASKS

MySQL Tools Service

[Error - 8:37:43 PM] Request objectexplorer/closesession failed.
Message: Failed to close OE session: Can not reconnect to MySQL after 5 attempt(s): 2003 (HY000): Can't connect to MySQL server on '192.168.56.101:3306' (1111)
Code: 50018

AZURE

Ln 3, Col 19 Spaces: 4 UTF-8 CRLF MSSQL cis215a1-ethan.database.windows.net : CIS215A1