

# Auto-failover groups for Hyperscale database

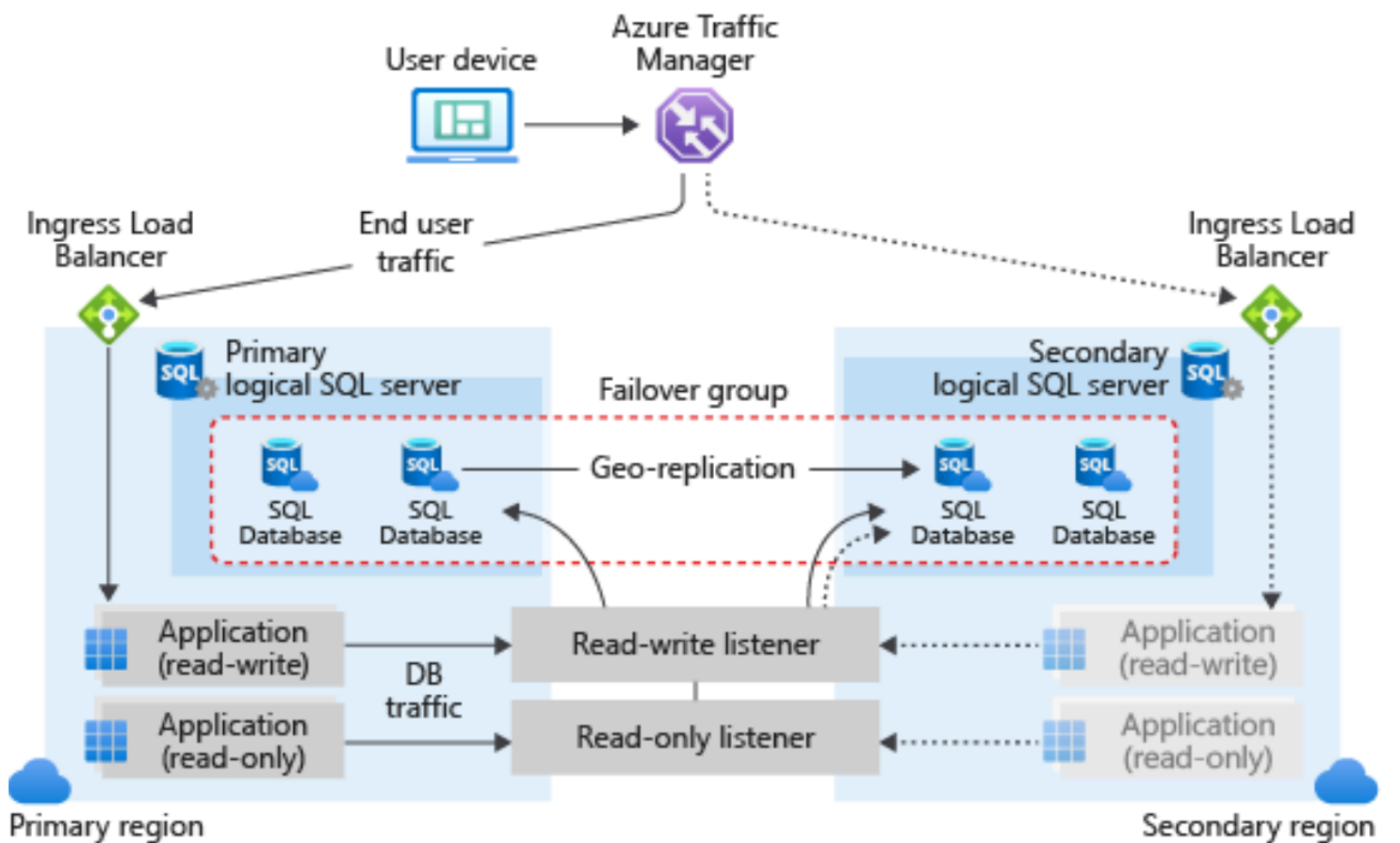
Last updated by | Subbu Kandhaswamy | Jun 14, 2022 at 9:48 AM PDT

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## How it works in Hyperscale environment


Auto-failover groups are created between servers in 2 regions. The groups can include all or some databases in the servers. If a Hyperscale database is selected to be part of the failover group, then this database will failover with the rest of the failover group unit. The following diagram illustrates a typical configuration of a geo-redundant cloud application using multiple databases and auto-failover group.:



## Available Regions:

[Supported regions are listed here](#) 

If customer is planning new HS environment and want to create a Hyperscale database in a region where Hyperscale isn't enabled by default, they can send an onboarding request via Azure portal. For instructions, see [Request quota increases for Azure SQL Database](#) . When submitting your request, use the following guidelines:

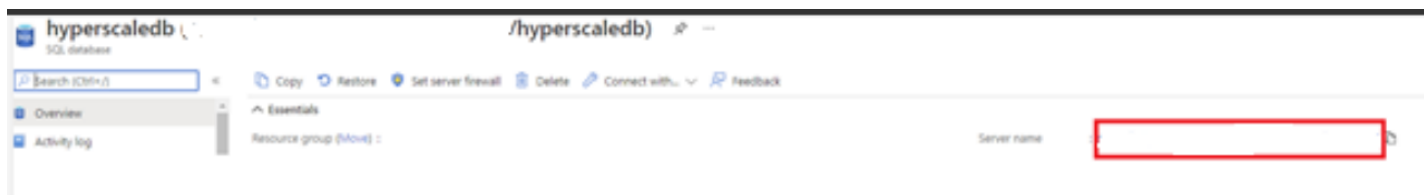
- Use the [Region access](#)  SQL Database quota type.
- In the description, add the compute SKU/total cores including high-availability and named replicas, and indicate that you're requesting Hyperscale capacity.
- Also specify a projection of the total size of all databases over time in TB.

## Why Auto Failover groups?

- Simplified management of a group of geo-replicated databases including ability to failover the entire group of databases.
- Ability for application to maintain the same read/write and read-only endpoints after failover.
- Recovery during loss of an entire region through geo-failover which can be initiated manually or through an automatic failover policy.
- Readable online secondaries that can be used for read-only workloads by connecting with read-only listener endpoints which remain unchanged during geo-failovers.

## Steps to configure.

- Create an Auto-failover group using Portal.  
Failover groups can be configured at the server level. Select the name of the server under Server name to open the settings for the server.



- Select Failover groups under the Settings pane, and then select Add group to create a new failover group.

Search (Ctrl+ /) << + Add group Refresh

Overview  
Activity log  
Access control (IAM)  
Tags  
Diagnose and solve problems  
Quick start

Settings

Azure Active Directory  
SQL databases  
SQL elastic pools  
DTU quota  
Properties  
Locks

Data management

Backups  
Deleted databases  
Failover groups  
Import/Export history

Failover group are a SQL server feature designed to automatic

Name	Primary server
You have no group created	

- On the Failover Group page, enter or select your desired values for your failover group.

# Failover group



Create a failover group to automatically failover databases in it.

Failover group name \*

hyperscalefailovergroup



.database.windows.net

Server \*

[Create new](#)

Read/Write failover policy

Automatic



Read/Write grace period (hours)

1 hours



Database within the group

Not configured yet


1 databases eligible


[Configure database](#)

- Add your Hyperscale database to the failover group then select Create

### Configure using PowerShell | CLI | REST API

Create an Auto-failover group using [PowerShell](#) .

Create an Auto-failover group using [CLI](#) .

Create an Auto-failover group using [REST API](#) .

### How good have you found this content?



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