

Deploying Azure SQL Databases



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Running SQL Server in Azure

Azure SQL Database

Cloud Database as a Service

Fully managed

Built-in scalability and redundancy

Ideal for new cloud-based applications

SQL Server on Azure VM

Highly compatible with on-premises SQL Server

Ideal for scenarios where full server control is required

Requires more maintenance and administration



Single Azure SQL Database Performance

Database Transaction Unit – DTU

Bounding box

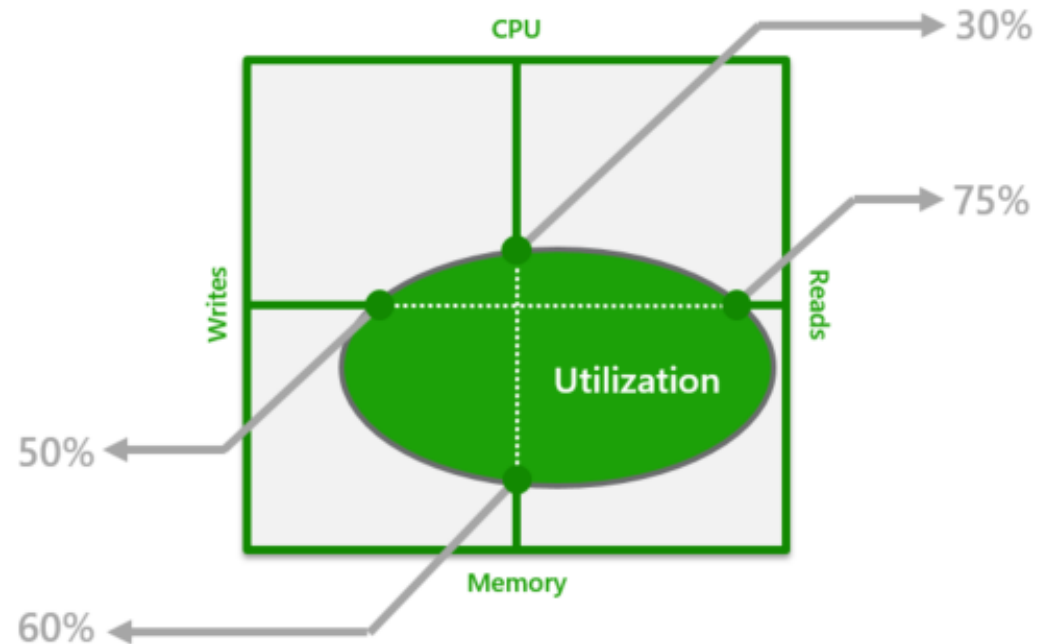
Monitoring database workload utilization within bounding box

Represents the relative power (resources) assigned to the database

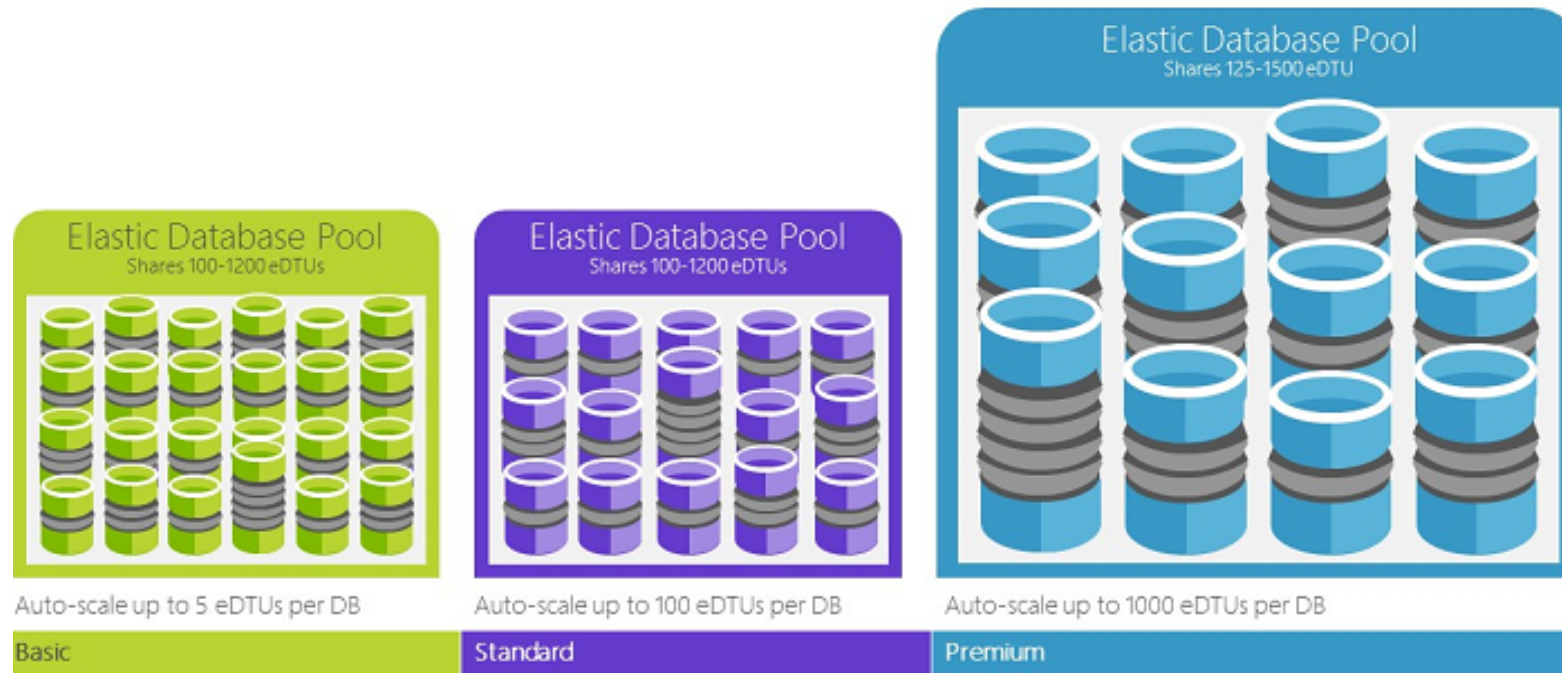
Blended measure of CPU, memory, and read-write rates

Compare the power across performance levels

Simplifies talking about performance, think IOPS vs. %



Multiple Azure SQL Database Performance



<http://bit.ly/2wETHVd>



Summary



Creating and Scaling Databases

Enabling Geo-replication

Migrating Databases

Performing Backup and Recovery

