



## MySQL

- Simple
- Open Source
- Linux, Apache, PHP (LAMP) stack apps
- Community edition (free)
- Standard edition (increased performance/storage, commercial with tools, security, audit & scaling)
- Windows versions
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- Azure cloud includes community edition
- High availability/scale/backup/point in time restore 35 days
- Security/firewall/SSL
- Global PaaS DB system
- Restricted security & administration operations
- Secure data at rest/in motion
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- Migrate with Azure **Database Migration Service (DMS)**

## MariaDB

- Newer DB created by SQL developers
- Increased performance
- Oracle Database (DBMS)
- Support temporal data & data versioning
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- Community edition on Azure
- Fully managed (PaaS)
- High availability/Performance/pay per use/Scale/Secure (rest/motion)/Backups/Point in time restore 35 days
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- Migrate with Azure Database Migration Service (DMS)

## PostgreSQL

- Hybrid relational object database
- Relational tables & custom data types in non-relational storage
- Extensible with modules
- Store & manipulate geometric data (lines/circles/polygons)
- pgSQL
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- PaaS implementation with no SQL/OP extensions on Azure
- Single server and Hyperscale versions
- pgAdmin DBMS
  - backup/restore not available
- Azure system logs queries
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- Single server
  - Similar to MySQL
  - Transactional workloads
- Hyperscale
  - Citrus
  - Multi-tenant
  - Distributed nodes (partition/shard)
  - High performance
  - Real time analytics
  - Transactional/operational & Hybrid
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- Migrate with Azure Database Migration Service (DMS)