

# Azure MariaDB IaaS / DBaaS Report

## Azure Database for MariaDB

Fully Managed MariaDB database engine, DBaaS, hosted on Azure cloud platform.

Offers Higher level of availability, intelligence and management.

Service options allow scaling up or down with more control.

- Synchronise data from an external source onto the Maria DB Server, from different VM or database on another cloud provider.
- Read only Replica Servers - updating asynchronously up to 5 servers.
- OS Patching, MariaDB Patching, Backup and restoration can be automated.
- Alerts sent upon reaching thresholds.

## Basic Price Tier

vCore	Memory	Price
1	2	~\$57.394/month
2	4	~\$114.787/month

vCPU	Memory	Pay as you Go	1 year reserved %savings
2	4	~\$58.2764/month	~\$34.1491/month (-41%)
2	8	~\$116.9943/month	~\$68.2872/month (-42%)

## MariaDB on Azure VM

Fully managed Virtual Machine with Maria DB Service, classified as IaaS. Offering control over the database engine. Offering more control also comes with more responsibility of managing the VM, patching, recovery.

Most automated features offered by DBaaS must be managed by customer

## Administration

Signing + User creation will differ. DBaaS allowing login directly onto MariaDB to the server name, however current user creation script may not be usable.

<https://docs.microsoft.com/en-us/azure/mariadb/howto-create-users>

Firewalls can be created in **Connection Security (Settings)** in DBaaS

<https://docs.microsoft.com/en-us/azure/mariadb/howto-manage-firewall-portal>

Storage + #vCore can be adjusted in Pricing Tier (Settings)

<https://docs.microsoft.com/en-us/azure/mariadb/howto-auto-grow-storage-portal>

## References

Choose the right MariaDB Server option in Azure

<https://docs.microsoft.com/en-us/azure/mariadb/>

<https://docs.microsoft.com/en-us/azure/mariadb/select-right-deployment-type>