



# SQL as a service

WITH MICROSOFT AZURE SQL DATABASE

# What is Microsoft Azure SQL Database?

Microsoft Azure SQL Database is a fully managed cloud-based database service that allows businesses to run their SQL Server workloads in the cloud. It offers various deployment options, including single databases, elastic pools, and managed instances, enabling businesses to choose the model that best suits their needs.

Azure SQL Database offers features such as built-in high availability, automatic backups, and geo-replication for disaster recovery, which ensures data is always available and protected.

Additionally, Azure SQL Database provides robust security features, including encryption, threat detection, and access control, to help businesses protect their data and comply with industry standards.

By choosing Azure SQL Database, businesses can eliminate the need for infrastructure management and focus on their core business activities, while enjoying the benefits of a scalable, reliable, and secure cloud-based database service.

# Advantages of Azure SQL Database



- ✓ **Scalability**: Azure SQL Database allows businesses to scale their databases up or down as needed, providing flexibility and cost-effectiveness.
- ✓ **High availability**: Azure SQL Database provides built-in high availability features, ensuring that data is always available and protected.
- ✓ **Disaster recovery**: Azure SQL Database offers geo-replication, allowing businesses to replicate their databases across different regions for disaster recovery purposes.
- ✓ **Security**: Azure SQL Database provides robust security features, including encryption, threat detection, and access control, to help businesses safeguard their data and comply with industry standards.
- ✓ **Ease of management**: Azure SQL Database is a fully managed service, eliminating the need for businesses to manage infrastructure and allowing them to focus on their core business activities.
- ✓ **Compatibility**: Azure SQL Database is built on the SQL Server engine, making it compatible with existing SQL Server workloads.
- ✓ **Cost-effectiveness**: Azure SQL Database provides various deployment options, such as single databases, elastic pools, and managed instances, offering different levels of flexibility and cost-effectiveness.

# Deployment options

## Single Databases

This deployment option is ideal for smaller workloads or testing and development scenarios. Each database is isolated and managed separately, providing maximum flexibility and control. You can choose from different pricing tiers based on your performance and storage needs.

## Elastic Pools

Elastic pools are best suited for managing a group of databases with varying and unpredictable usage patterns.

With elastic pools, you can consolidate multiple databases into a shared resource pool, enabling you to optimize resource utilization and reduce costs.

You can also scale the pool up or down based on your workload requirements.

## Managed instances

Managed instances offer full compatibility with on-premises SQL Server, making it a good option for larger workloads with complex requirements.

Managed instances provide native virtual network support, allowing you to seamlessly integrate with other Azure services.

Additionally, managed instances offer enhanced security features, such as private endpoints and Azure Private Link, for greater control over data access.



## Why choose us?

- ✓ We have the ability to successfully handle large scale projects despite being a medium-sized company in South Africa.
- ✓ The qualifications, superior relevant technical knowledge combined with corporate infrastructure, resources and support from within our company.
- ✓ Our team understand the full process requirements and can perform the entire spectrum of work as a seamless service.
- ✓ Capacity to implement incomparable management solutions based on world-class standards.
- ✓ A dynamic and innovative approach that includes risk management, change management, operational business process reengineering and soft issues.
- ✓ Appropriate capacity to staff any assignment with the right calibre and skilled professional staff which includes industry experts with proven track records.