Microsoft

Get to know Azure SQL
The family of SQL cloud databases

SQL

Azure SQL

SQL Server on Azure Virtual Machines
Best for lift and shift and/or workloads requiring OS-level access

Infrastructure-as-a-Service

Azure SQL Managed Instance
Best for modernizing existing apps

Azure SQL Database
Best for supporting modern cloud

Platform-as-a-Service

Azure SQL Edge
Best for extending apps to IoT edge

Edge Computing

Choose Azure SQL databases and...

Do more with fully-managed and always up to date services

Use your existing SQL experience in the cloud and at the edge

Save with the lowest total cost of ownership

Protect your data with built-in, real-time intelligent security

Allscripts leveraged existing licensing to seamlessly migrate to the cloud with SQL on Virtual Machines

Challenge
Need to quickly consolidate data centers with dozens of business-critical systems after acquisitions
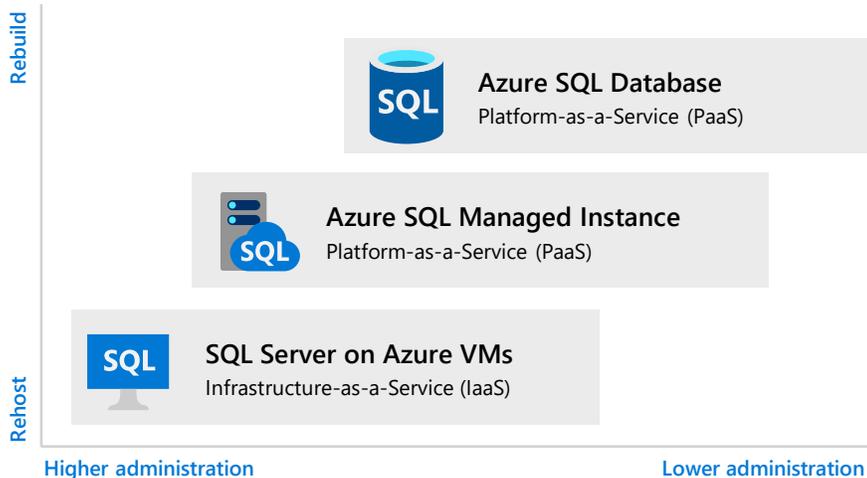
Solution
Migration of 600 SQL Server VMs to Azure with existing Windows and SQL Licenses, which led to savings as high as 82% with Azure Hybrid Benefit

"By moving our acquired applications to Azure, we were able to get them up, running, and adding value to the business in three weeks versus the three months needed to requisition servers and storage."

Peter Tomlinson
Director of IS, Technology Operations

Allscripts

Cloud migration effort and administration continuum

SQL

Azure SQL Database
Platform-as-a-Service (PaaS)

Azure SQL Managed Instance
Platform-as-a-Service (PaaS)

SQL Server on Azure VMs
Infrastructure-as-a-Service (IaaS)

Higher administration   Lower administration

Azure SQL gives you cloud database options that meet your needs

- Lift-and-shift your SQL workloads to SQL Server on Azure VMs with ease and maintain them with 100% SQL Server compatibility and operating system-level access.
- Modernize your existing SQL Server applications at scale on a fully managed Azure SQL Managed Instance.
- Build modern cloud applications on the intelligent, managed Azure SQL Database that includes serverless compute.

Usage Scenarios

	SQL Server on Azure VMs IaaS	**Azure SQL Managed Instance** PaaS	**Azure SQL Database** PaaS	**Azure SQL Edge** Edge Compute
Scenario	Rehost rich SQL apps to the current SQL Server version Migration of single/fewer apps to the cloud Rehost sunset applications	Modernization and migration of existing SQL applications to the newest SQL Server version with minimal code changes.	Build modern cloud applications on the newest SQL Server version	Securely store, analyze, and stream data at the edge Extend SQL applications to IoT edge devices
Benefits	100% SQL Server compatibility Full control on the OS and/or SQL Server level Hybrid high availability/disaster recovery scenarios SSRS, SSAS, and SSIS support	Rich, instance-centric programing model Fully-managed, no patching or maintenance required VNet integration AI-driven performance and security	Simplicity and flexibility of SLA-backed deployments and scale AI-driven performance and security Available serverless compute and Hyperscale storage capabilities Fully-managed, no maintenance required	Flexible connected, disconnected, and hybrid deployments Built-in data streaming, time series, and AI capabilities Consistent SQL code and native data movement

H&R Block enhances service delivery and scale while accelerating innovation on Azure SQL Managed Instance

Challenge
Unify disparate data sources to deliver seamless multichannel experiences and provide better customer service

Solution
Improved app performance and scalability to meet tax-season peaks in demand and unified data architecture that opens the door to advanced digital technologies using AI and machine learning.

"SQL [Database] Managed Instance gives us a smooth migration path for moving existing workloads to Azure with minimal technical reengineering."

Sameer Agarwal
Manager, Enterprise Data Analytics

H&R BLOCK

Take an in-depth look at Azure SQL Database and Azure SQL Managed Instance with the free Packt ebook Professional Azure SQL Managed Database Administration.

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