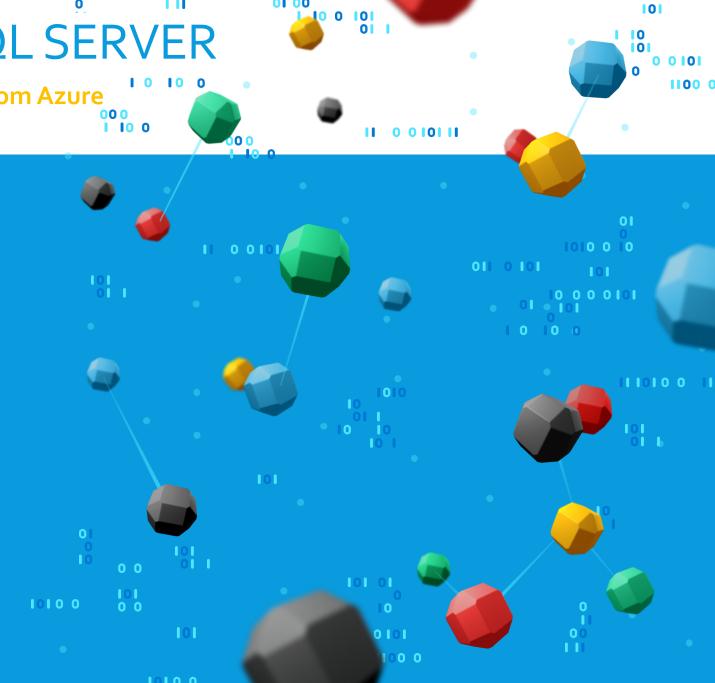
AZURE ARC-ENABLED SQL SERVER

Manage, govern, and secure your SQL Server from Azure

Sam Mesel – Azure SQL GBB https://www.linkedin.com/in/sammesel/ 12/20/2023

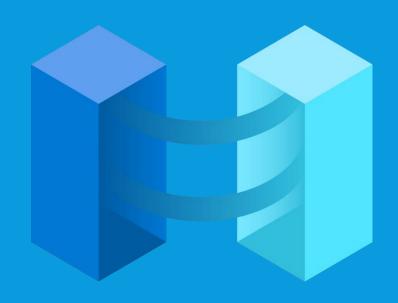


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VISION

Azure is the single point of control to secure, govern, and manage SQL Server at scale anywhere



ARC-ENABLED SQL SERVER

Manage, govern, and secure your SQL Server from Azure



Manage all your SQL estate via Azure Arc

- Single view of all SQL Servers deployed on-premises, in Azure and other cloud
- Fully automated technical assessment for SQL Server – no additional cost

Enhance business continuity through managing inventory of Availability Group



Control and govern your entire data estate

- Central insights and governance across all SQL Servers with Microsoft Purview
- Use Purview to scan and classify the data, multi-cloud and on-premises
- Purview access policies available for SQL Servers



Secure all your data using Azure security

- Protect your on-premises data using Microsoft Defender for Cloud
- Secure identities with Single Sign-On and Azure Active Directory*
- Perform data protection and vulnerability analysis

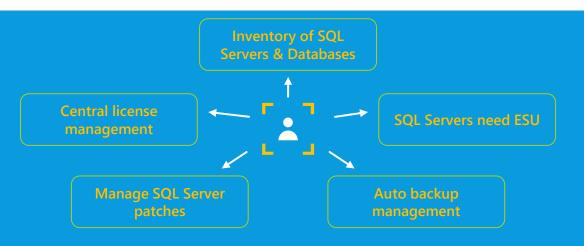


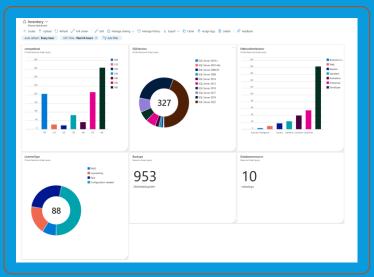
Easy correction enabled by Azure Arc for existing SQL Servers without migration

INVENTORY SQL SERVERS INSTANCES



- Single consistent view of all your SQL Servers deployed on-prem, Edge, Multi-cloud
- Inventory and tag management using Resource Graph thus increasing the visibility of the entire data estate
- License management using Azure portal to review license position and compare with the procurement state
- Configure SQL Server patching from Azure
- Manage SQL Server backups from Azure





BEST PRACTICES ASSESSMENT



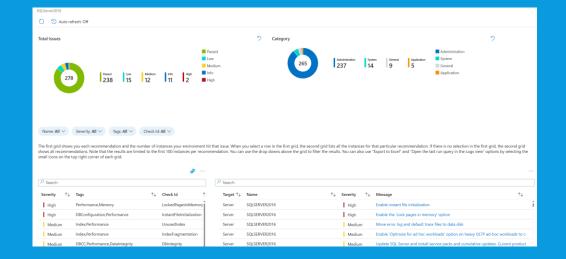
Proactively address any risks across on-premises and multicloud environments

Evaluate configuration of SQL Server instances:

- Security and compliance
- Availability and business continuity
- Performance and scalability
- Operations
- Change and configuration management
- Enable at scale using Azure policy

Extended diagnosis from Azure to any SQL Server anywhere

Scanned in intervals for most up to date results Increases operational stability while reducing routine workloads from DBAs



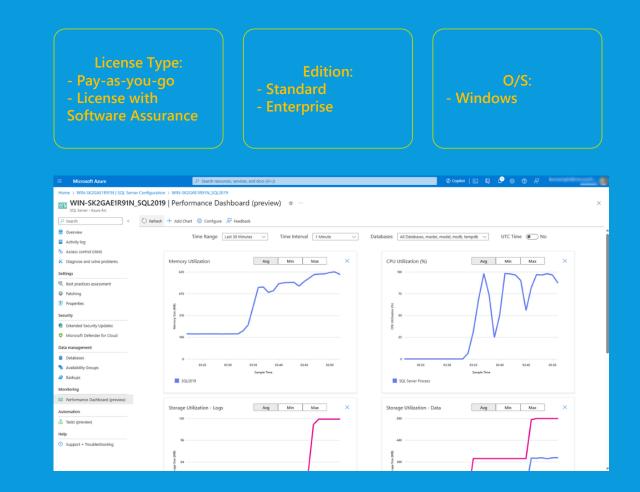
PERFORMANCE DASHBOARDS



Monitor SQL Server directly from the Azure portal

Arc collects DMV datasets of the SQL Server:

- Active Sessions
- CPU Utilization
- Database Storage Utilization
 - **Memory Utilization**
- Performance Counters
- Storage I/O
- Wait Stats



AUTOMATED BACKUPS & POINT-IN-TIME RESTORE



Automated Backups:

- Built-in Feature
- Disabled by default
- Schedule Option

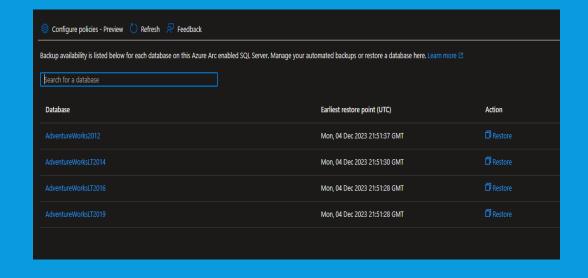
DEFAULT

Custom

- Retention Period from 1-35 days
- Support for Full-Recovery mode

Point-in-time Restore Restore to a pointin-time within restorable Window

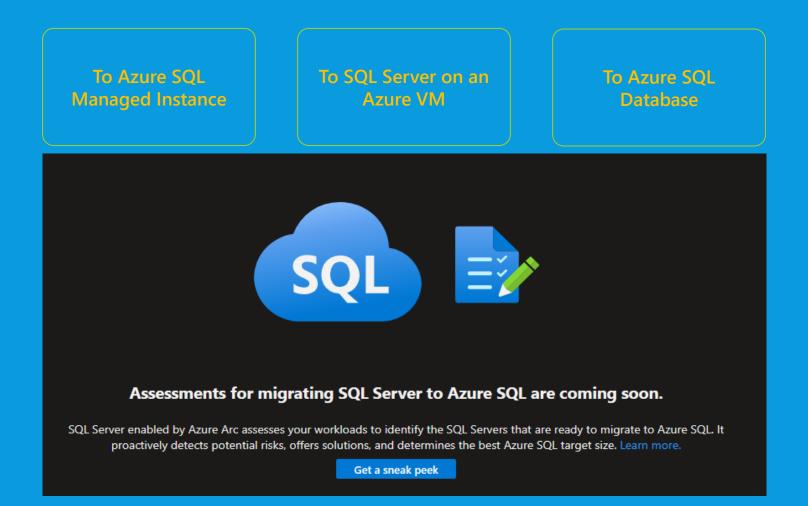
Restore to a new database to same server



MIGRATION/MODERNIZATION

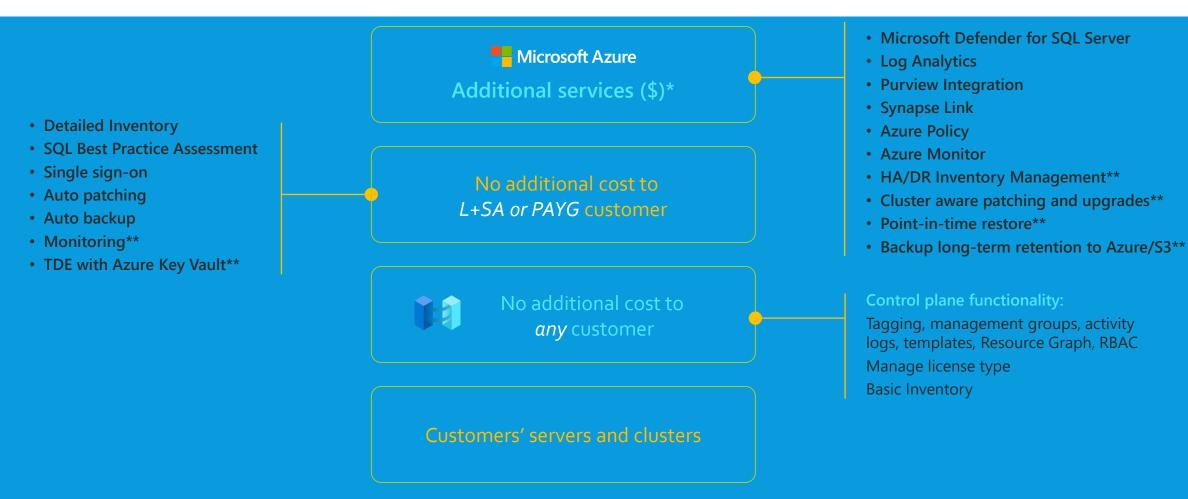


Migration Assessment Report



AZURE ARC-ENABLED SQL SERVER PRICING MODEL

Today we covered the free benefits customers with Arc-enabled SQL Server deployment. But there is much more to cover how Arc-enabled SQL Server will benefit your company.



^{*}Pricing for Azure Arc-enabled services and additional management services is consistent with Azure pricing.

^{**} Not available today. On the product roadmap

RESOURCES

Azure Arc webpage aka.ms/Arc

Technical docs aka.ms/ArcDocs

Azure Arc Learn modules aka.ms/LearnHybridArc

Azure Arc Jumpstart aka.ms/AzureArcJumpstart

Azure Arc Roadmap aka.ms/ArcRoadmap

