

Agenda

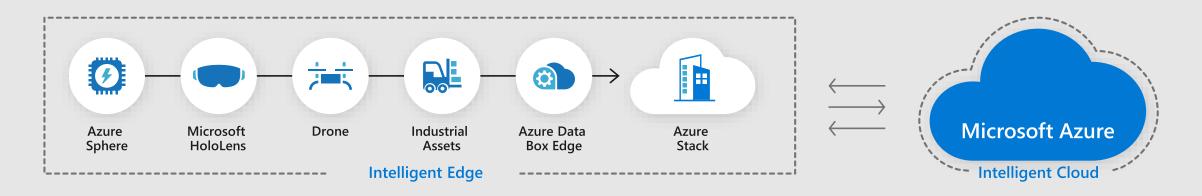
- Azure Intelligent Edge Overview and News
- Today's Focus Area:
 - · Azure Stack: Windows Server/SQL EOS and Migration Resources (Tiberiu Radu/Azure Stack GBB Team)

· Q&A

But First - What is the AIEB?

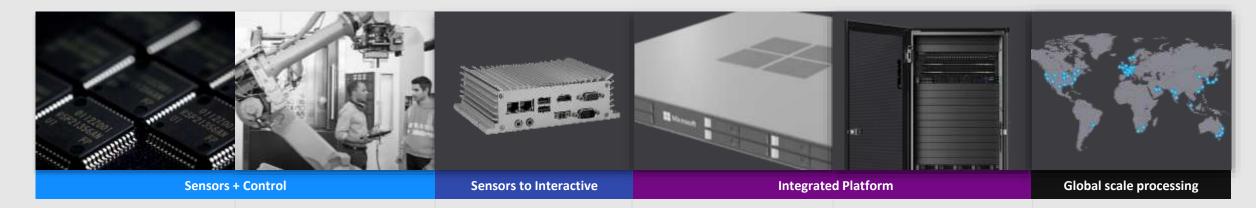
- · 30-minute briefing open to everyone to discuss a specific area within our 'Intelligent Edge' offerings
- Repeat call is open to everyone so no NDA information!
- · Using 'regular' Teams for now for easier collaboration (Q&A, discussion, etc.)
- · Calls will be recorded and posted here: https://aka.ms/aieb-channel

Microsoft Azure approach



Azure IoT Edge	Azure Services
← Azure Serverless →	
Azure Security Center	
Azure Activ	re Directory
Azure Ma	nagement ————————————————————————————————————
Azure Al & Ma	chine Learning ———————————————————————————————————

Azure Intelligent Edge + Cloud Taxonomy



Microcontroller

Azure Sphere

- Highly-secured, connected MCU
- Azure Sphere Linux OS for modern MCUs
- Public Preview as of September 2018
- Included Azure IoT Device SDK

IoT Devices

Azure IoT Device SDK

- 1000+ devices
- 250+ partners
- All certified to work great with Azure IoT Hub

Edge Devices

Azure IoT Edge

- Deploy and manage Azure Services in containers on any IoT device
- Al, AzureML, Azure Stream Analytics and more
- Generally available

Edge Appliances

Azure Data Box Edge

- Data Box Edge: Al-Enabled, Storage and compute Azure Edge appliance
- Data Box: Offline, ruggedized data transport, 100 TB – 1 PB
- Includes Azure IoT Edge

Edge Cloud

Azure Stack

- Cloud Consistent Edge
- Edge and Disconnected Scenarios
- Regulatory Requirements
- Cloud app model onpremises

Hyperscale Cloud

Azure Regions

- Full Range Hyperscale Cloud Services
- Tiered Service availability: Heroes > Hubs > Satellites
- Open Source Based Services & Tools

Most specialization

Full Spectrum of Cloud + Edge Form Factors

Most services

Fewest services

Intentional & Appropriate Azure Service Availability

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Fewest form factors

Some quick news...

- Azure Stack Update 1.1905.40 released
 - · https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-release-notes-1905
 - · Update engine can now incorporate firmware updates (check with your OEM)
 - · Windows Server 2019 supported and syndicated in the Azure Stack Marketplace
- Part 10 of the 'Azure Stack IaaS' blog series published: https://azure.microsoft.com/en-us/blog/azure-stack-iaas-part-ten/
- Azure Data Box Edge/GW move to General Availability (March): https://docs.microsoft.com/en-us/azure/databox-online/data-box-gateway-release-notes



Azure Stack: Windows Server/SQL EOS and Migration Resources

Tiberiu Radu

Senior Program Manager – Azure Stack

We've got you covered with new options

New options are now available to help you upgrade and adopt the innovative technologies you need to carry your organization into the future. If you need additional time to manage the transition, get three years of Extended Security Updates to keep your workloads protected beyond the deadline.





Support ends for SQL Server 2008/2008 R2 on July 9, 2019

Support ends for Windows Server 2008/2008 R2 on January 14, 2020

Visit the SQL Server end of support resource center >

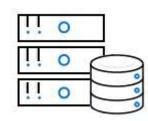
Visit the Windows Server end of support resource center >

SQL Server 2008





- Rehost your SQL Server 2008 and 2008 R2 with few or no application code changes in Azure SQL Database Managed Instance for a "version-free" platform
- Or, move to Azure Stack Virtual Machines to get three years of Extended Security Updates at no additional charge and upgrade to a newer version when ready
- Use existing licenses and save up to 55 percent with Azure Hybrid Benefit on Azure

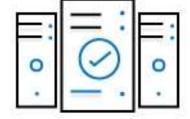


Upgrade on-premises and stay protected

- Upgrade to SQL Server 2017 for greater security, performance, availability and innovation with cloud analytics
- For continued protection beyond the deadline, buy up to three years of Extended Security Updates—cover only the workloads you need while you upgrade

Windows 2008





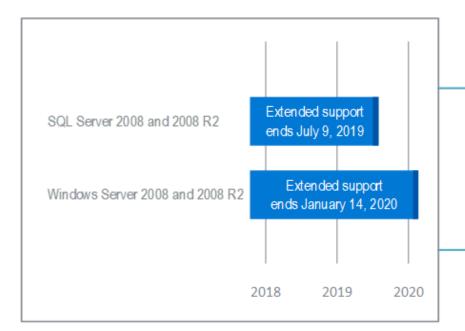
Migrate to Azure or Azure Stack with free security updates

- Rehost Windows Server 2008 and 2008 R2 workloads to Azure or Azure Stack
- Get three years of Extended Security Updates at no additional charge, and upgrade to a current version when ready
- Use existing licenses and save up to 80 percent on Azure Virtual Machines with Azure Hybrid Benefit and Reserved Instances

Upgrade on-premises and stay protected

- Upgrade to Windows Server 2016 for greater innovation, built-in security, and container support
- For continued protection beyond the deadline, buy up to three years of Extended Security Updates—cover only the servers you need while you upgrade

Extended Security Update are free in Azure Cloud and Azure Stack





Migrate to Azure

Rehost applications

Move your SQL Server and Windows Server 2008 and 2008 R2workloads to Azure Virtual Machines with no application code changes- and get 3more years of security updates free. Upgrade when ready.

Rehost and protect Data

Move data to Azure SQL Database Managed Instance (version free, fully managed, no patching needed). Never face end of support again.

Stay on-premises with Azure Stack or current hardware investment

Move your SQL Server and Windows Server 2008 and 2008 R2workloads to Azure Stack Virtual Machines with no application code changes- and get 3 more years of security updates free. Upgrade when ready.





Upgrade to current Windows Server and SQL Server versions





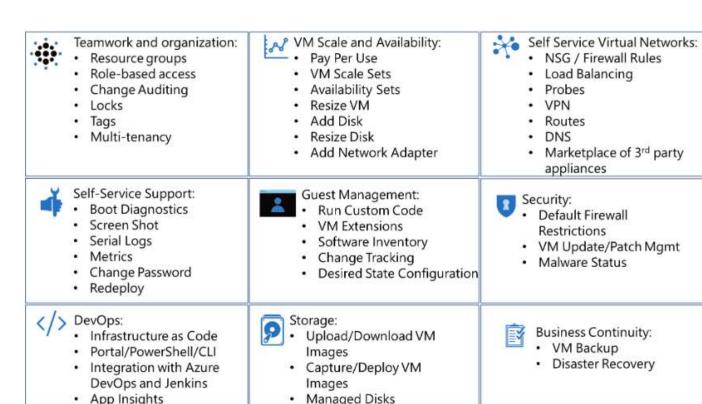
Buy 3 more years of Extended Security Updates to protect servers while you work on migration.



#	FileName	Purpose
1	EOS for SQL and Windows 2008 on Azure Stack	A brief deck sketching the different migration scenarios
2	Migration Practice and Patterns - 05292019	In this article we focus on the migration of existing applications that live on either physical servers or existing virtualization platforms and how moving these workloads to Azure Stack laaS will enable the benefits around <u>operations</u> , self-service, and <u>Azure consistency</u> , as well as enable scenarios for modernization of these applications in the journey to the cloud.
3	EOS on Azure Stack Model - 05292019	A simple calculator to help determine the cost savings by migrating workloads to Azure Stack
4	SQL 2008 and SQL 2008 R2 Migration to Azure Stack - 05292019	With SQL Server 2008 and SQL Server 2008 R2 End-of-Support, Azure Stack can help our customers modernize their existing on-premise workloads in a phased approach. This document contains the tools and guidance to lift and modernize
5	SQL 2008 R2 Single Instance Testing on Azure Stack_Rough_Draft_05292019	This document outlines some examples of performance results for various SQL 2008R2 instances running on Azure Stack.
6	SQL Migration to Virtual Machine	PDF on "overall" migration to Azure. There are tips and best practices included that also apply to Azure Stack as the target.
7	Veeam Azure Stack Migration - 05292019	 This guide will help you to understand: The core functionality in Veeam Backup and Replication which enables migration or restoration of workloads to Azure Stack How to deploy the core Veeam components required to restore to Azure Stack How to easily lift and shift workloads into Azure Stack from VMware, Hyper-V, or physical servers using Veeam B&R How network address space can be recreated in Azure Stack, removing the need to re-IP servers Thank you to Dell EMC for sharing.
8	CommVaultSolution - Migration - 05292019	Live Demo Workflow - SQL2K8 Server from vCenter to Azure Stack as Lift-Shift Migration. The purpose of this document is to list procedures to run a live demo of SQL2008-Server (with sample database running) from a vCenter-based Windows-2008-Server virtual machine to a virtual machine in Azure Stack subscription. The migration tool used is CommVault CommServe with a feature set to backup & restore virtual machine between vCenter and Azure Stack. Thank you to HPE - Azure Stack Innovation Center for sharing.

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- Azure Stack laaS blog series
 - Azure Stack at its core is an laaS platform
 - Start with what you already have
 - Fundamentals of laaS
 - Protect your stuff
 - Do it yourself
 - Pay for what you use
 - It takes a team
 - If you do it often, automate it
 - Build on the success of others
 - Journey to PaaS





Questions?



Next AIEB Call will be 7/19 @ 11AM US Central Standard Time (NO CALL on 7/05 in observance of the July 4th Holiday)



Appendix