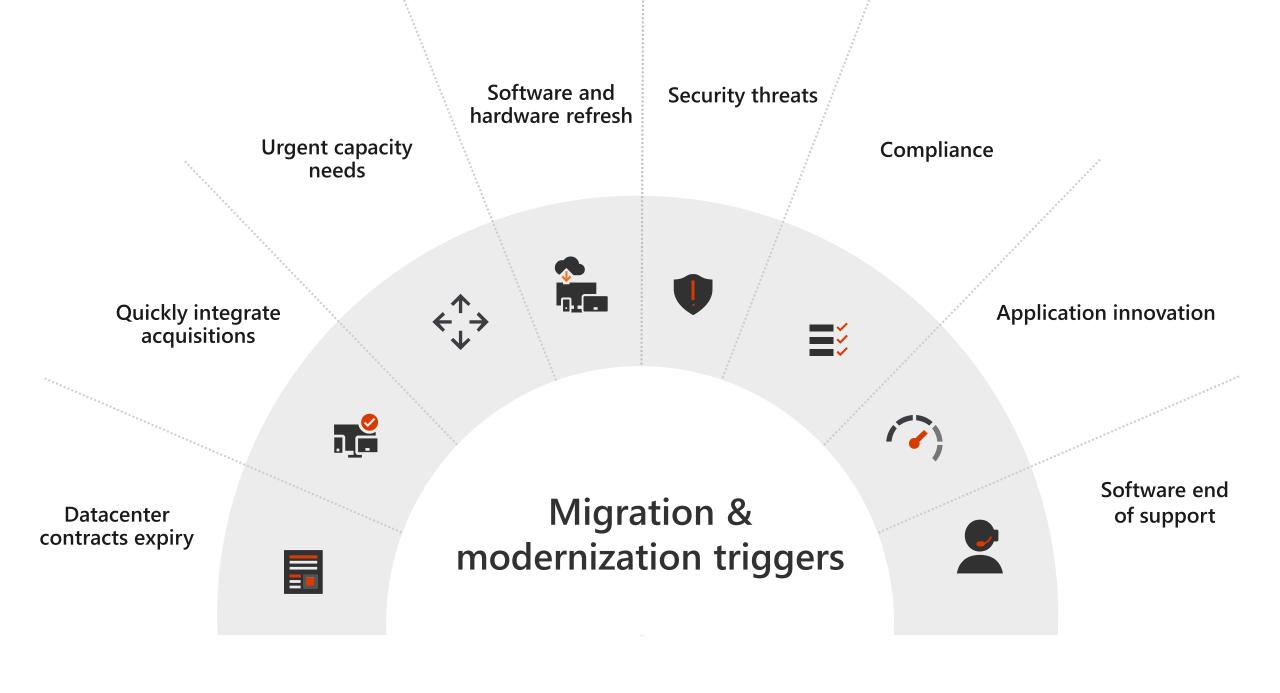


Azure Assessments and Migration

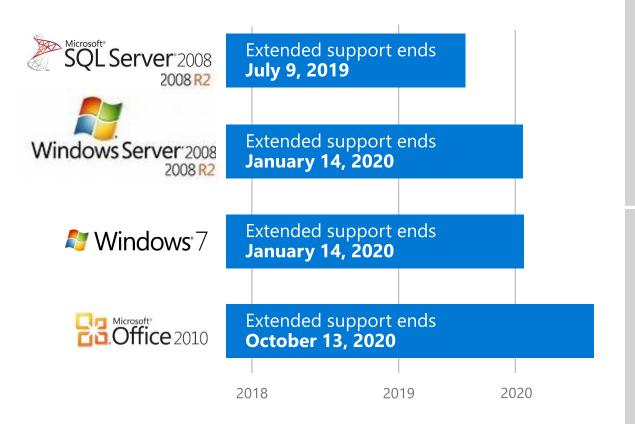
Onur Dogruoz Partner Technology Strategist, US OCP Microsoft

Holly Klein Market Development Executive Azure Ingram Micro

There has never been a better time to migrate to Azure



Get ready for end of support





Avoid business risk

End of support means:



No security updates



Compliance concerns



Missed innovation opportunities

Some examples	What it means	Severity/impact
Ransomware (Petya, WannaCry)	Blocking access to your data and asking for ransom	Critical/remote code execution
Hardware vulnerabilities (Meltdown/Spectre)	CPU vulnerability that allows hackers to steal sensitive data (resolved through OS security updates)	Important/ information disclosure
GDPR & industry regulations	Additional security and features needed to comply with specific regulations	Lost customer trust, impact to brand image, and financial penalties



2008 | R2



Windows Server



Ends January 14, 2020



SQL Server



Ends July 9, 2019

Free Extended security updates

Free security updates, only on Azure

3 years of security updates after support ends

75% of the license cost to buy standalone

Reuse existing licenses with Azure Hybrid Benefit

3 reasons to migrate 2008 server applications to Azure now



Improve security and compliance

Secure cloud foundation

Built-in, multi-layered security controls

More certifications than other providers



Realize significant cost savings vs. on-premises

Azure Hybrid Benefit

Free extended security updates

Infrastructure optimization



Use cloud innovation to retire technical debt

Azure laaS

Azure SQL Database

Azure App Service

Azure is the best destination for Windows Server and SQL Server



Unique hybrid experiences: Server + Azure



Unparalleled consistency & innovation: Azure SQL Database Managed Instance



Deep trust with enterprises

Azure Security Center + built-in OS security

Windows Admin Center

Integrated backup, disaster recovery, & identity

Full parity with 100% code consistency

Unmatched support & backward compatibility

Machine learning-based performance & security

More certifications than other providers

Single vendor support

Reuse familiar skills and toolsets

AWS is 5 times more expensive than Azure for Windows Server and SQL Server

Learn more: Windows Server on Azure | SQL Server on Azure

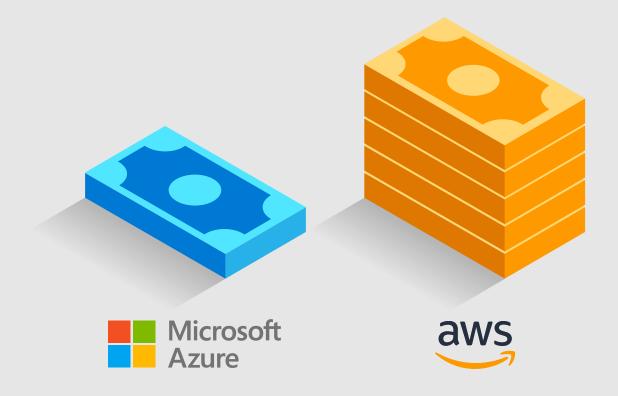
Pay less with Azure

AWS is 5 times more expensive than Azure for Windows Server and SQL Server

How the savings add up

- No need to re-purchase licenses in the cloud use the Azure Hybrid Benefit with existing licenses to save on Azure laaS or PaaS services
- Only Azure offers free extended security updates for 2008/2008 R2 workloads
- Reserved capacity helps you save even more

Learn more at: http://aka.ms/Why5xmore



How the cost savings add up with Azure



Save with your existing licenses

Eligible customers pay a reduced rate for Azure Virtual Machines and Azure SQL Database with the Azure Hybrid Benefit.

See how the Azure Hybrid Benefit works



Reserve upfront and pay less

Reserve resources in advance and save over payas-you-go pricing—and improve your budgeting and forecasting.

Learn about reservations



Extend security updates for free

Move your Windows Server or SQL Server 2008 and 2008 R2 workloads to Azure and get three additional years of security updates for free.

Learn about extended security updates

Azure migration tools adoption over the last year

700K+

Discovered by Azure Migrate

500K+

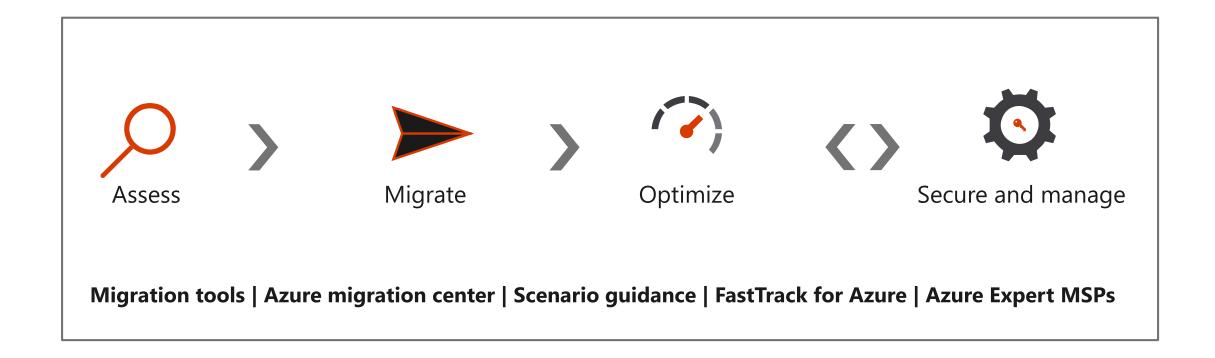
Assessed by Azure Migrate

41K+

databases

Migrated by Azure Database Migration Service

Unified and extensible Azure migration experience



Foundational best practices: People | Process & Planning | Technology

Choice of tools for every stage and every requirement

Goal is successful Azure migration: Pick the right tool for the job







Migrate









Azure Migrate

Data Migration Assistant (DMA)

SQL Server Migration Assistant (SSMA)

Azure Site Recovery (ASR)

Azure Database Migration Service

Azure Data Box

Azure Cost Management

Azure Security & Management (e.g., Blueprint, Security Center, Backup, Monitor)

We embrace ISV solutions













STRATOZONE°

















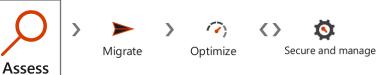












App performance history

App configuration data

Applicable discounts and offers (e.g., Azure Hybrid Benefit, RI)

Target Azure location



Azure Migrate

Azure suitability analysis (e.g., compatibility)

Rightsized Azure resource model

Azure cost estimates

App dependency map

VMware and Hyper-V (NEW!) assessments | Windows and Linux assessments | Free, built in service



Demo

Choosing between 1st and 3rd party assessment tools









Use partner tools when you need any of the following additional capabilities		Corent	
FEATURES	Azure Migrate	turbonomic Cloudamize	
No additional cost			
Assessment of VMware environments ¹			
Assessment of VMware, Hyper-V and physical environments			
Agentless dependency visualization			
Advanced cloud economics cost modelling			

¹ Azure Migrate support for Hyper-V assessments currently in private preview







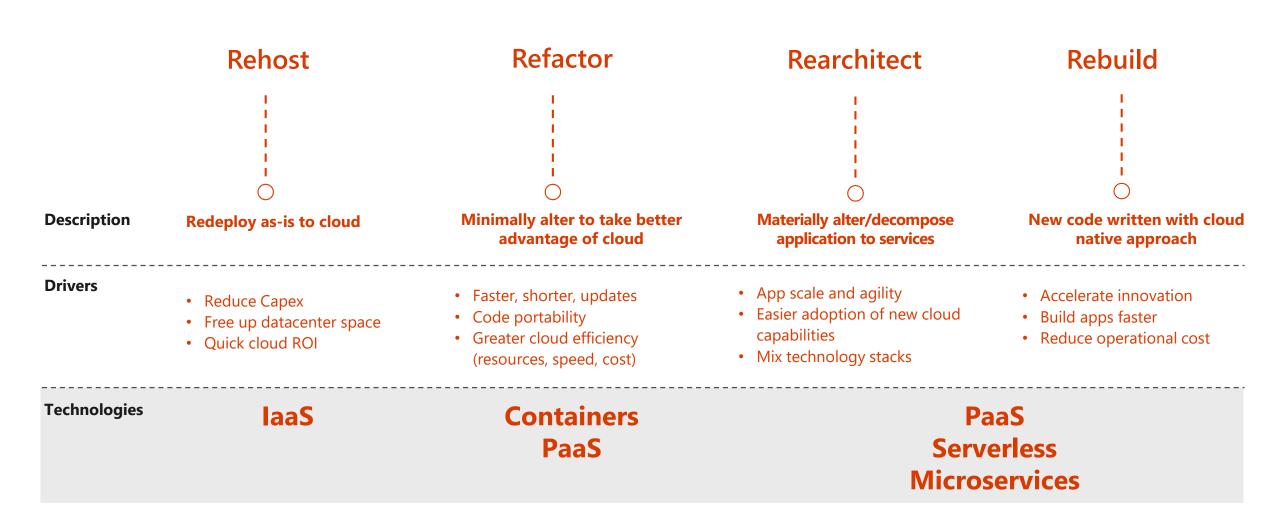


Azure migration scenarios

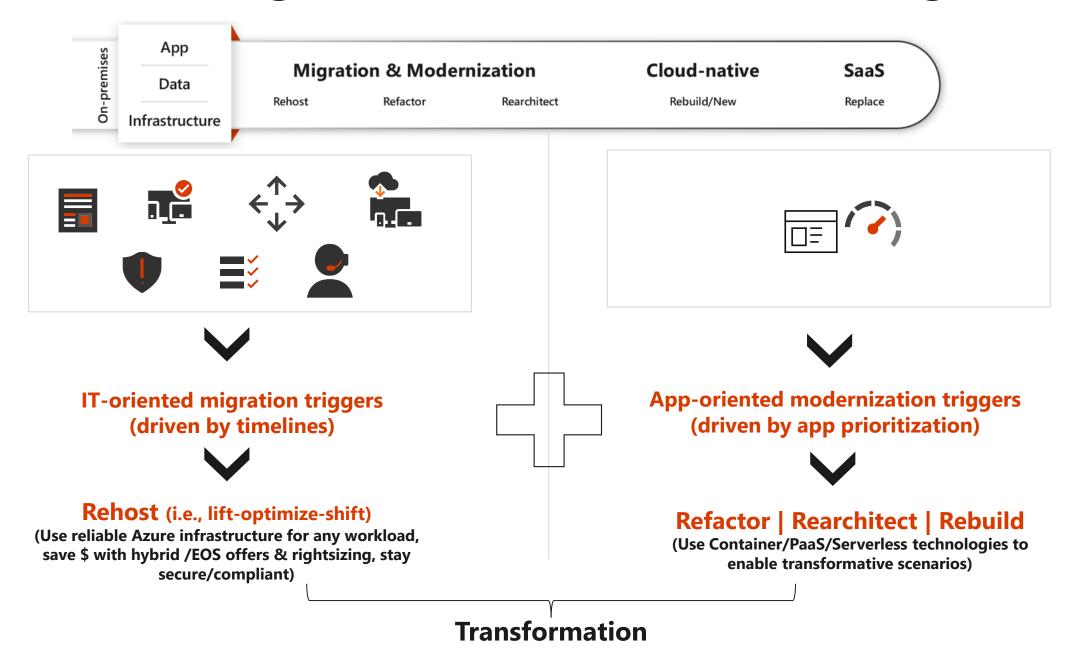




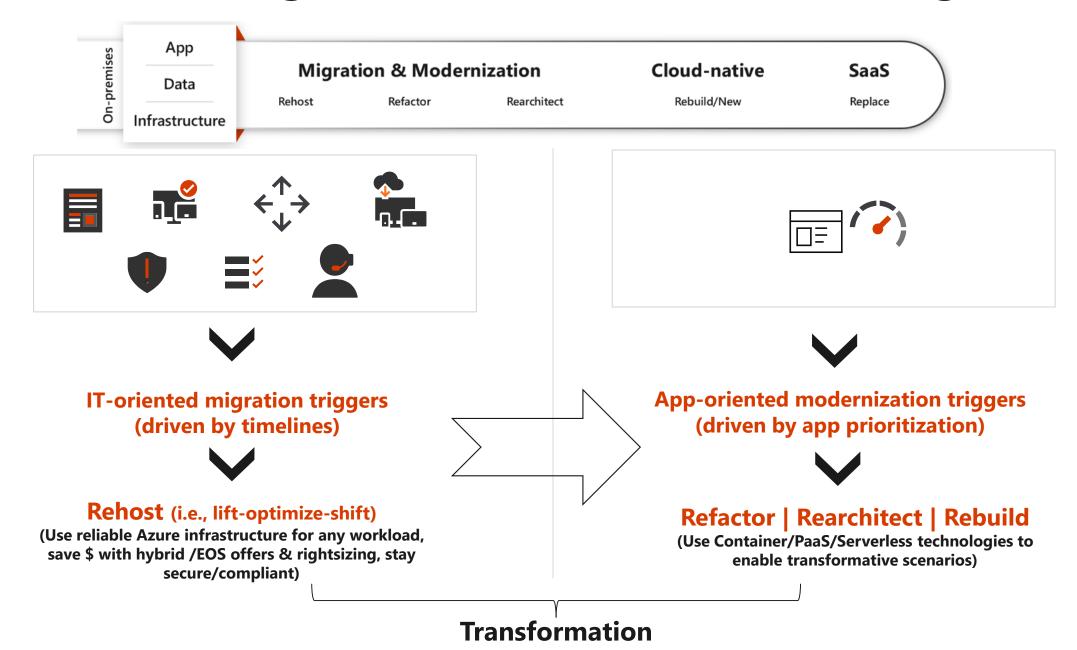
Summarizing cloud migration strategies



Approach #1: Migration & modernization strategies



Approach #2: Migration & modernization strategies











Azure migration scenarios





Reliable infrastructure to rehost any workload









On-demand

Purpose-built

Linux, Open Source, and Red Hat

Best for Microsoft workloads







+40%
of Azure VMs are running Linux



Unique hybrid experiences: Server + Azure







1.4x growth of Linux



Unparalleled consistency & innovation: Azure SQL DB Managed Instance







Co-located support with Red Hat on-site team



Deep trust with enterprises









Rehost apps to Azure laaS with Azure Site Recovery



On-premises











Azure Site Recovery (ASR)

Set up source & target environments Set up replication policy Begin replication Run test migration

Failover to Azure



Azure

Zero app data loss | Near-zero downtime | Test migration to minimize risk | Free usage during migration

What's new with ASR



Expanded coverage for Linux distros:

SUSE Linux Enterprise Server 12 (SP1,SP2, SP3), RHEL 7.0 to 7.5, Cent OS 7.0 to 7.5

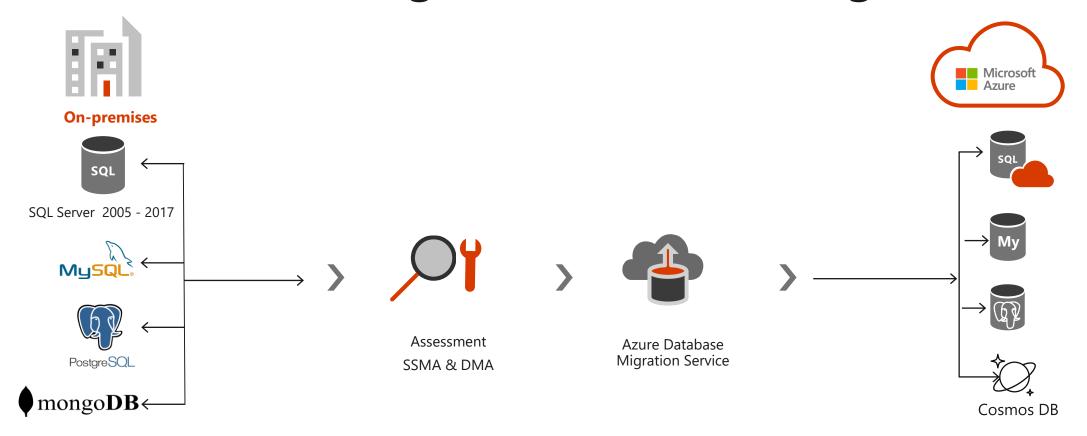
Enhanced support for Linux configurations (e.g., VMs that use GUID partition table)





Azure Site Recovery (ASR)

Migrate databases using Azure Database Migration Service



Seamless, end to end solution | Near-zero downtime | Migrate at-scale from multiple sources

New DMS scenarios

SQL Server \rightarrow SQL Server in Azure IaaS | AWS RDS SQL Server \rightarrow Azure SQL DB Mongo DB \rightarrow Azure Cosmos DB AWS RDS MySQL/PostgreSQL \rightarrow Azure DB for MySQL/PostgreSQL

Oracle → Azure SQL DB/ SQL Server in Azure laaS









Azure SQL Database Managed Instance – GA (General Purpose)

Migrate SQL Server to fully managed SQL in Azure Fully compatible with SQL Server Built-in HA, Failover, Geo-DR, Intelligence

NEW: Azure SQL Database Hyperscale – Preview

New, highly scalable service tier with built in intelligence Migrate multi-TB databases to Azure Auto-scale up to 100 TB per database











Azure migration scenarios







By 2020, more than 50% of enterprises will run **mission-critical, containerized applications** in production.

Gartner













Refactor and rearchitect apps using Azure container technologies



Azure Container Instances



Azure Kubernetes Service (AKS)



Azure Service Fabric



Azure App Service













Keep migrated workloads secure and managed

Built-in, intelligent services for Azure and on-premises workloads



Governance NEW

Proactively apply policies and optimize cloud spend



Security

Industry leading
Security with Advanced
Threat Protection



Resiliency

High availability and protection for VMs, apps and data



Monitoring

Deep operational insights with rich intelligence



Automate

Powerful scripting, configuration and update management

Azure migration center

All things migration

Methodology

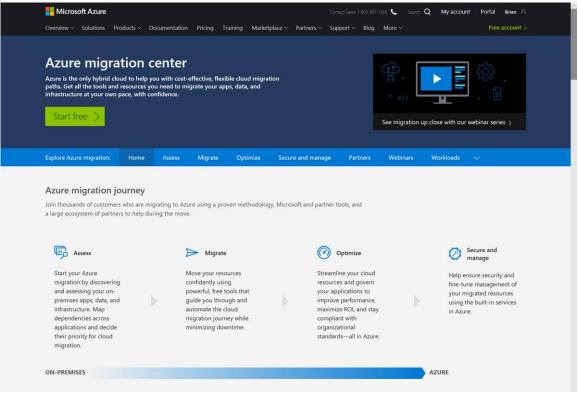
Tools

Partners

Migration journey and strategies

Right tools for the job

Migration experts



Azure.com/Migration

Keep up to date on your Azure skills as you migrate



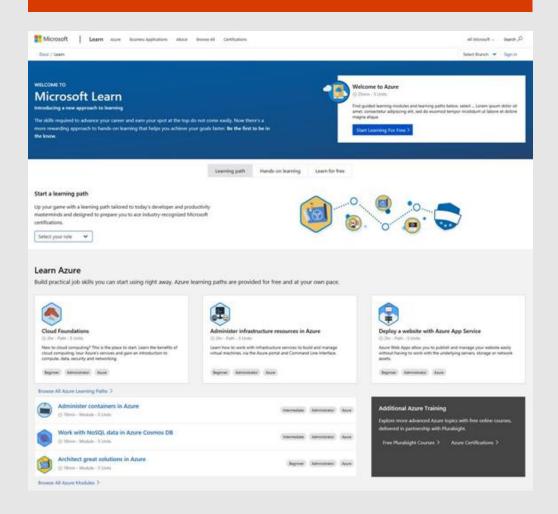
Microsoft.com/Learn

Build skills quickly

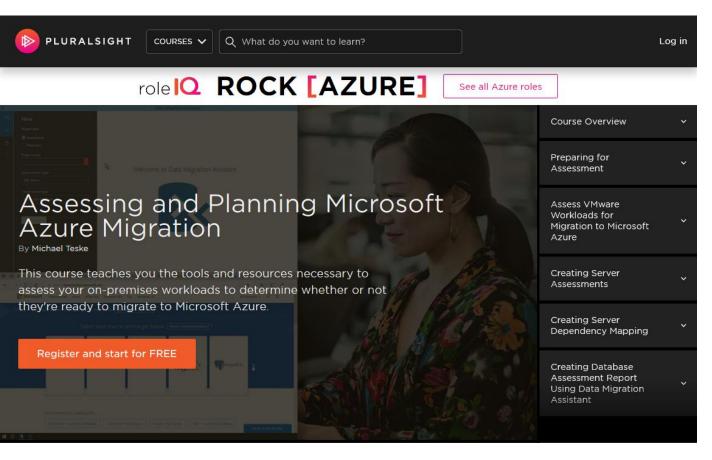
Measure Azure skill proficiency

Role based certification & training

Free migration courses Assessing and Planning Azure Migration Rehosting applications to Azure



Training



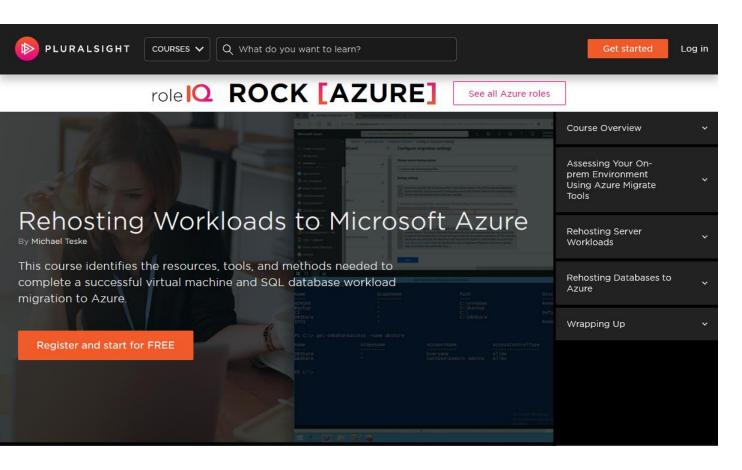
Take the free course on Assessing and Planning Microsoft Azure Migration

Take the course by January 31, 2018 to be eligible to win a Surface Go.

Register at:

https://info.microsoft.com/ww-landing-assessing-and-planning-microsoft-azure-migration-contest.html

Training (continued.)



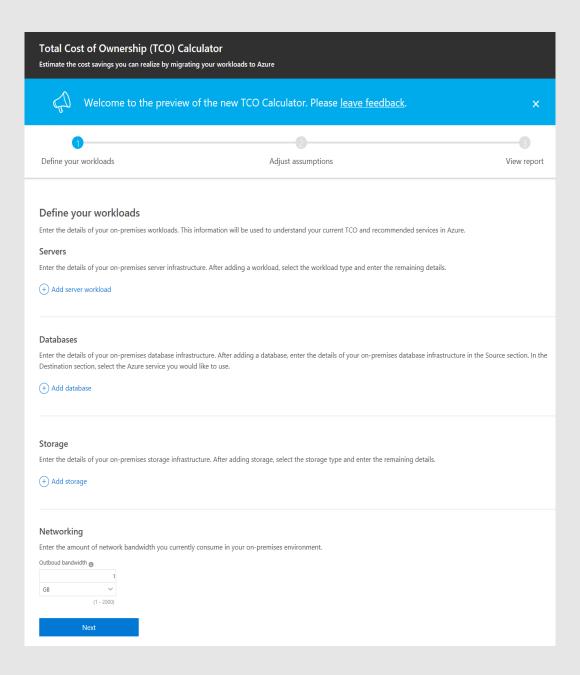
Recommended next course after Assessment.

Learn to rehost an app from beginning to end:

- ✓ Assess with Azure Migrate
- ✓ Rehost Windows Server VMs
- ✓ Rehost SQL Server databases

Build your case: Azure TCO calculator

Azure.com/tco



Confidently migrate your applications, data, and infrastructure to Azure





Hybrid infrastructure (Windows Admin Center, Azure security and management, Azure Active Directory)

Hybrid applications and data (Azure + Azure Stack, common data platform)

On-premises server innovation



Cost-effective throughout the entire migration experience

Azure Hybrid Benefit

Free security updates for EOS servers (for 3 years after EOS timeline)

Free tools to get started

Free cost management solution



Low risk, high confidence migration

Decades of enterprise experience

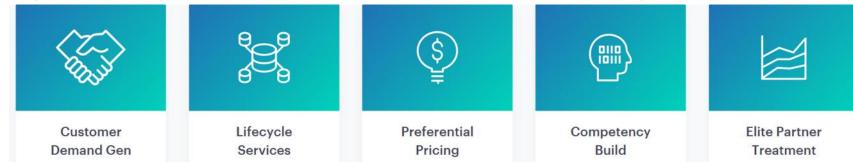
Secure/Compliant EOS servers (for 3 years after EOS timeline)

Azure migration center

Rich partner ecosystem

Ingram Micro's Azure Accelerate Program

A loyalty program to enable partners across the entire laaS lifecycle to accelerate time to revenue



		Fundamentals	Develop	Elite
		<\$10k/mon	\$10k-\$50k/mon	\$50k+/mon
Demand Gen	Playbook: End customer quarterly digital campaign	~	~	~
	Playbook: Partner success story spotlight		Case study	Case study + video
	Prospecting as a Service: Lead Pass Program			~
Lifecycle Services	White Label Services	Access	Access with discount	Access with discount
	L1 Support Services	L1 (fee)	L1 (fee)	L1 (fee)
Pricing	Exclusive Promotions (Net Tenant Credit)	\$200	\$300	\$500
	Volume Discount Eligibility		Volume Discount	Volume Discount
Certs	Azure Competency Training	Based on Availability	Up to 1 Associate	Up to 2 Associates
Elite Partner	Azure Business Plan Consultation		~	~
	Dedicated Account Manager Support		~	~
	Exclusive Cloud Summit Promotion and Access	CS19 \$100 Discount	CS19 \$200 Discount	CS19 \$300 Discount



Get Started with Ingram Micro Today!

Sign Up for the Azure Accelerate Program

https://microsoft.ingrammicrocloud.com/azure/en-us/

Nominate Yourself for Ingram's Flight Academy Program

https://channelmarketing.wufoo.com/forms/ingram-micro-azure-flightacademy/

Questions?

Email <u>Azure.Accelerate@ingrammicro.com!</u>



Thank you | Q&A

