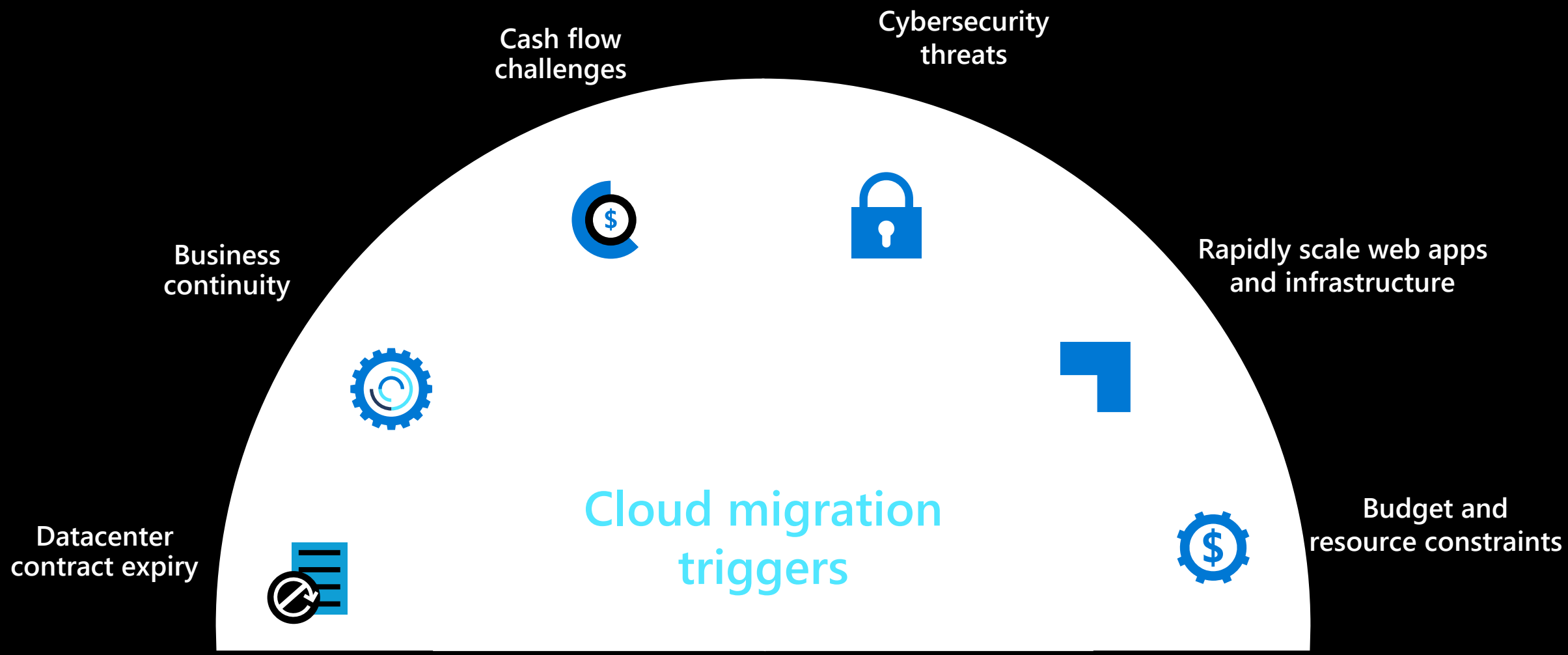
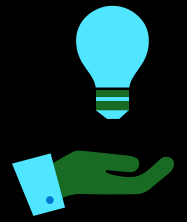

Cash flow challenges
Cybersecurity threats
Business continuity
Rapidly scale web apps and infrastructure
Cloud migration triggers
Datacenter contract expiry
Budget and resource constraints

Migrate to Azure efficiently on your own terms

Optimize costs and migrate with confidence

Stay secure and resilient across hybrid environments



Scale your applications and workloads on-demand

Optimize costs during and after migration

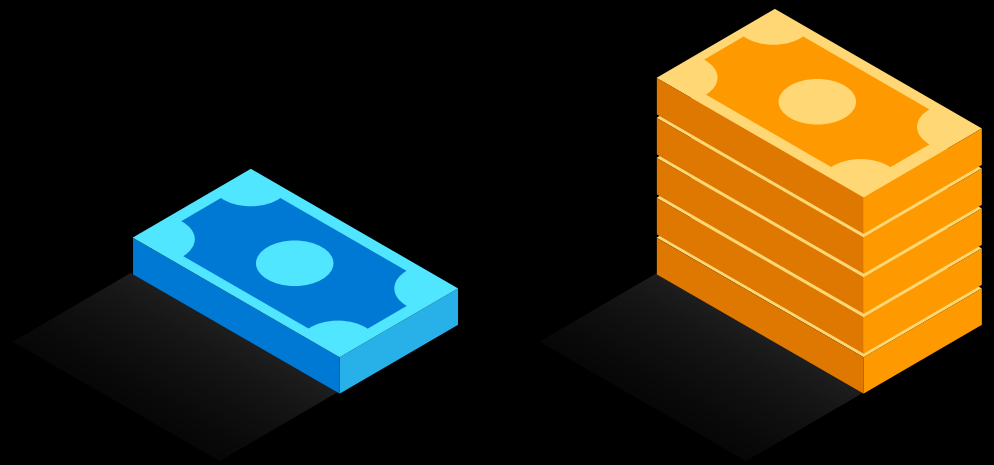
During migration

- Model on-premises vs. Azure costs using the **Azure TCO Calculator**
- Right-size Azure resources based on assessment guidance from **Azure Migrate**
- Use **Azure Hybrid Benefit** & **Azure Reserved Instances** to save money
- Join the **Azure Migration Program** to save on migration costs

Post migration

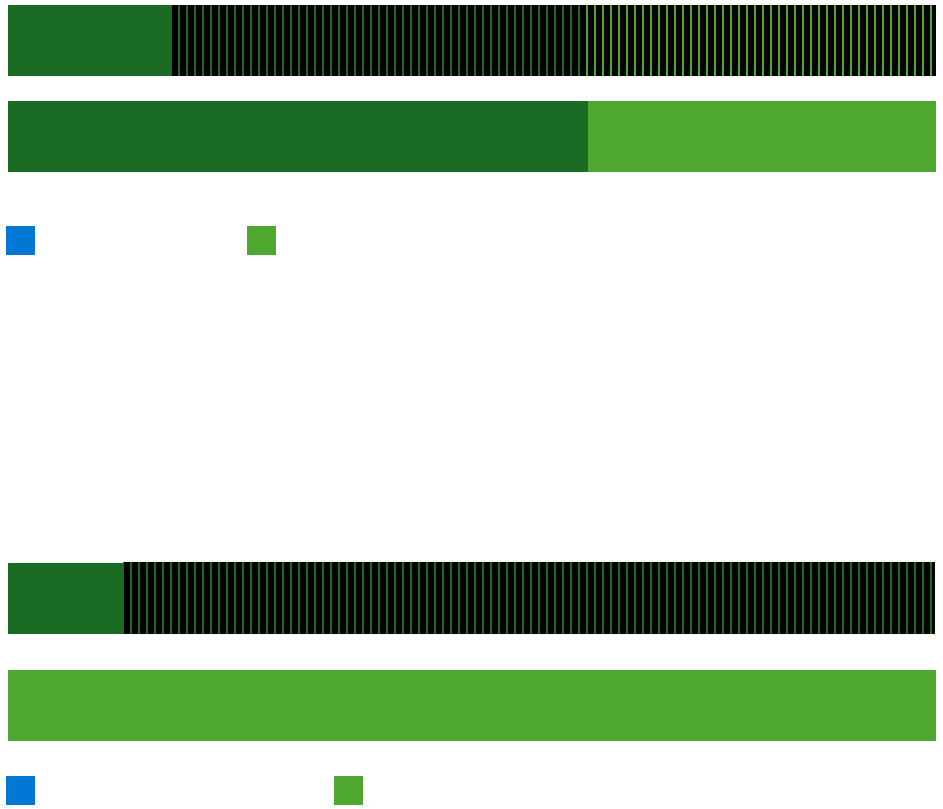
- Use best practice recommendations to save (e.g., shutdown idle resources) with **Azure Advisor**
- Implement cost controls with **Azure Policy** so your teams can go fast with control
- Monitor your bill, set budgets, & allocate spending with **Azure Cost Management**

Pay less with Azure. AWS is 5x more expensive.



Microsoft Azure

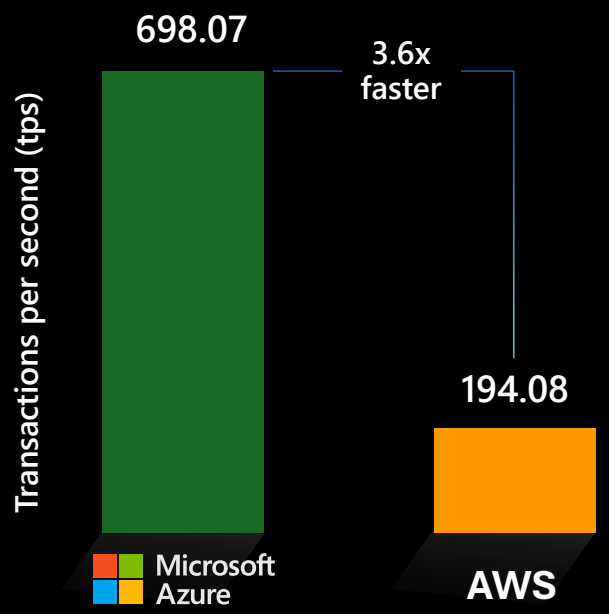
Why run Windows Server and SQL Server anywhere else?



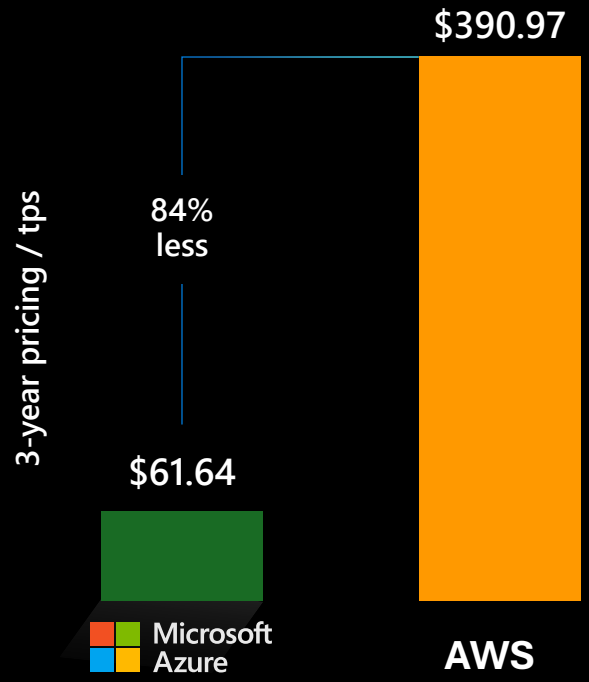
Learn more: aka.ms/why5xmore

SQL Server: Best price-performance on Azure IaaS

SQL IaaS Performance
GigaOm Benchmark | Jan 2020



SQL IaaS Price-Performance
GigaOm Benchmark | Jan 2020



Greater performance (3.6x faster) and lower price per transaction (84% cheaper)

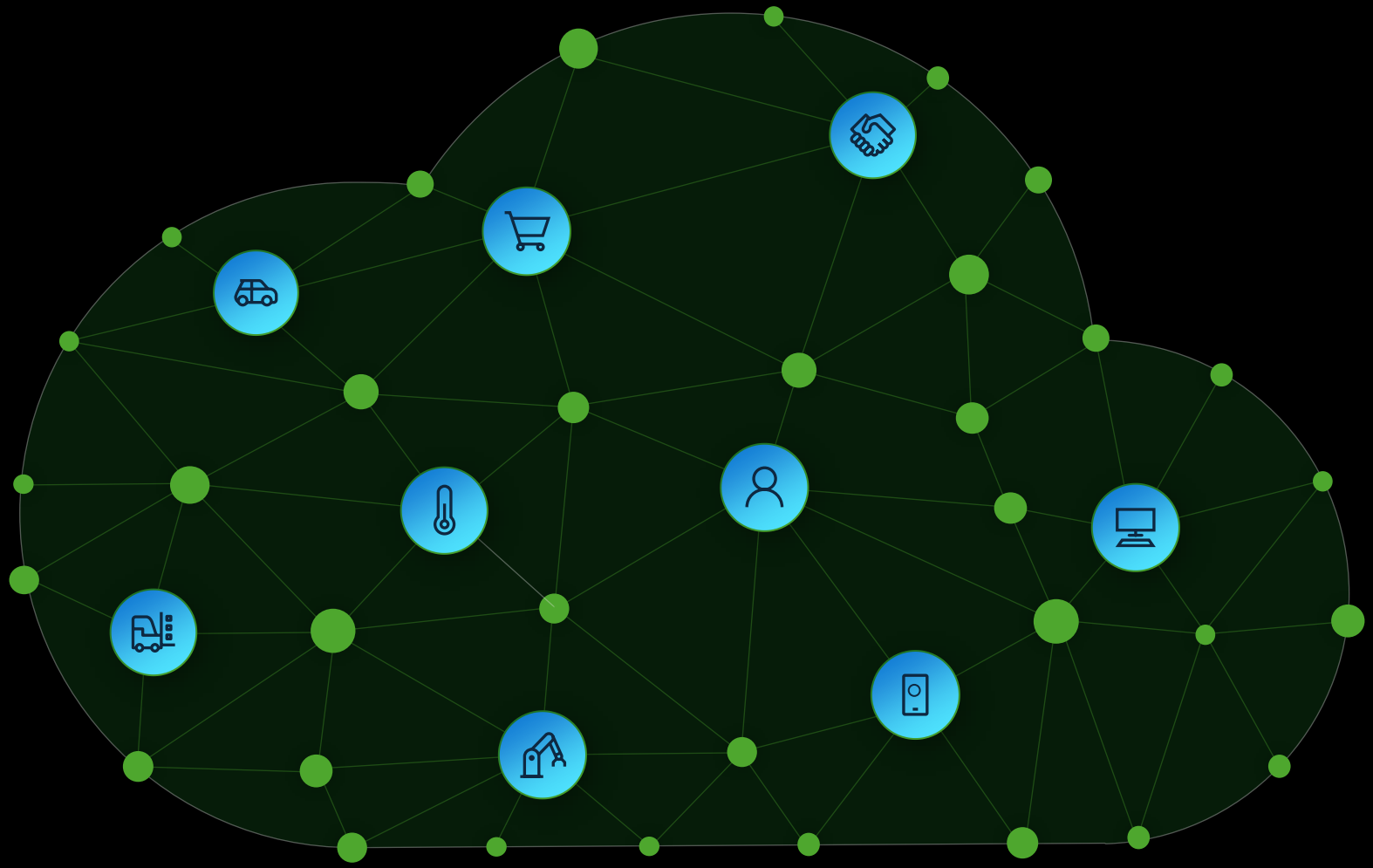
E32as_v4 Azure VMs VS. r5a.8xlarge AWS instance

Start with a secure, trusted foundation

$1B+ annual investment

3500+ security experts

Trillions of signals
analyzed for intelligence



Rely on multi-layered security controls across hybrid environments

Security management

Manage security state of hybrid workloads with a single view

Threat protection

Access cloud-native SIEM and AI-driven security analytics

Identity & access

Unify identity management and secure identities to implement zero trust

App and data security

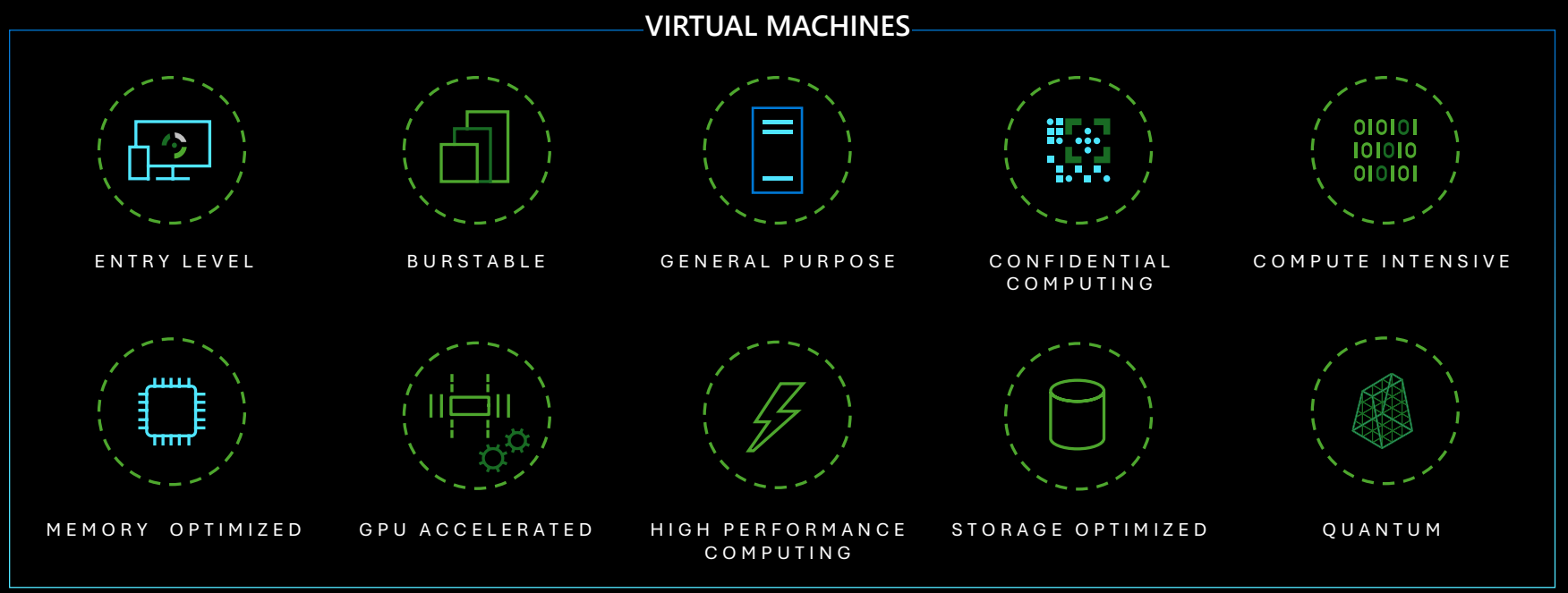
Encrypt data, and protect keys and secrets used by apps

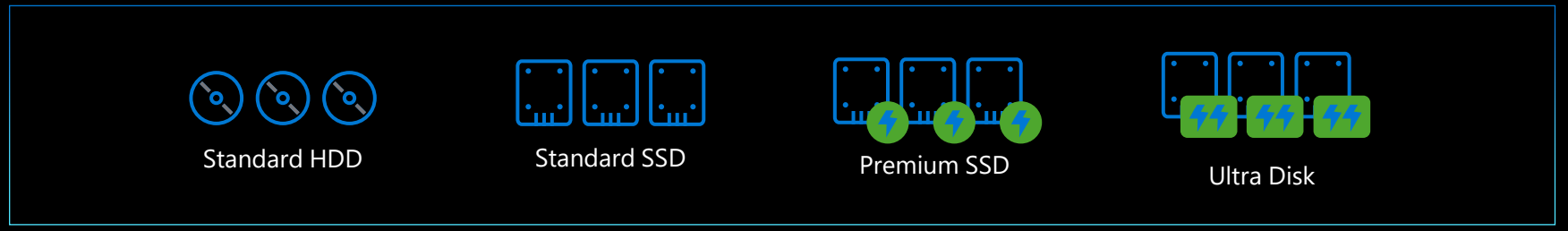
Network security

Enhance the protection of your virtual networks

Azure Sentinel | Azure Security Center | Azure Active Directory | Azure Key Vault | Azure Firewall & DDoS

Best-in-class infrastructure for every workload





GENERAL PURPOSE

Windows Server

SQL Server

Linux

PURPOSE - BUILT

VMware

SAP

Cray

NetApp

Azure SQL enables on-demand scale and operational efficiencies

Use IaaS and PaaS options as appropriate to your use case

SQL Server on Azure Virtual Machines

Best for lift and shift and/or workloads requiring OS-level access

Azure SQL Managed Instance

Best for modernizing existing apps

Azure SQL Database

Best for supporting modern cloud apps

IaaS

PaaS

Your migration journey

Informed by the Microsoft Cloud Adoption Framework for Azure

Pre-migration

Organizational change mgmt. is key

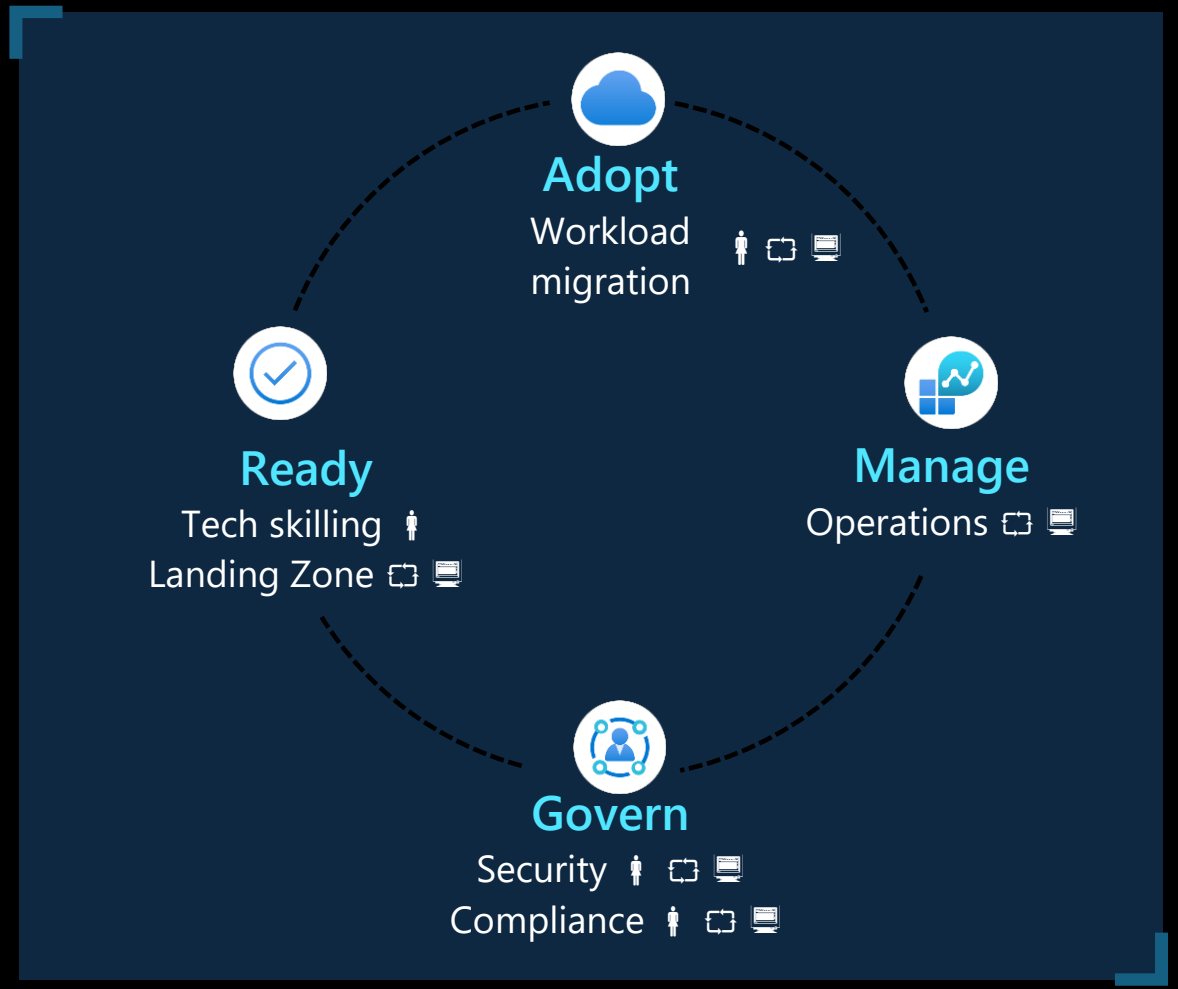
Define strategy

- Migration strategy
- Center of excellence
- Partner engagement

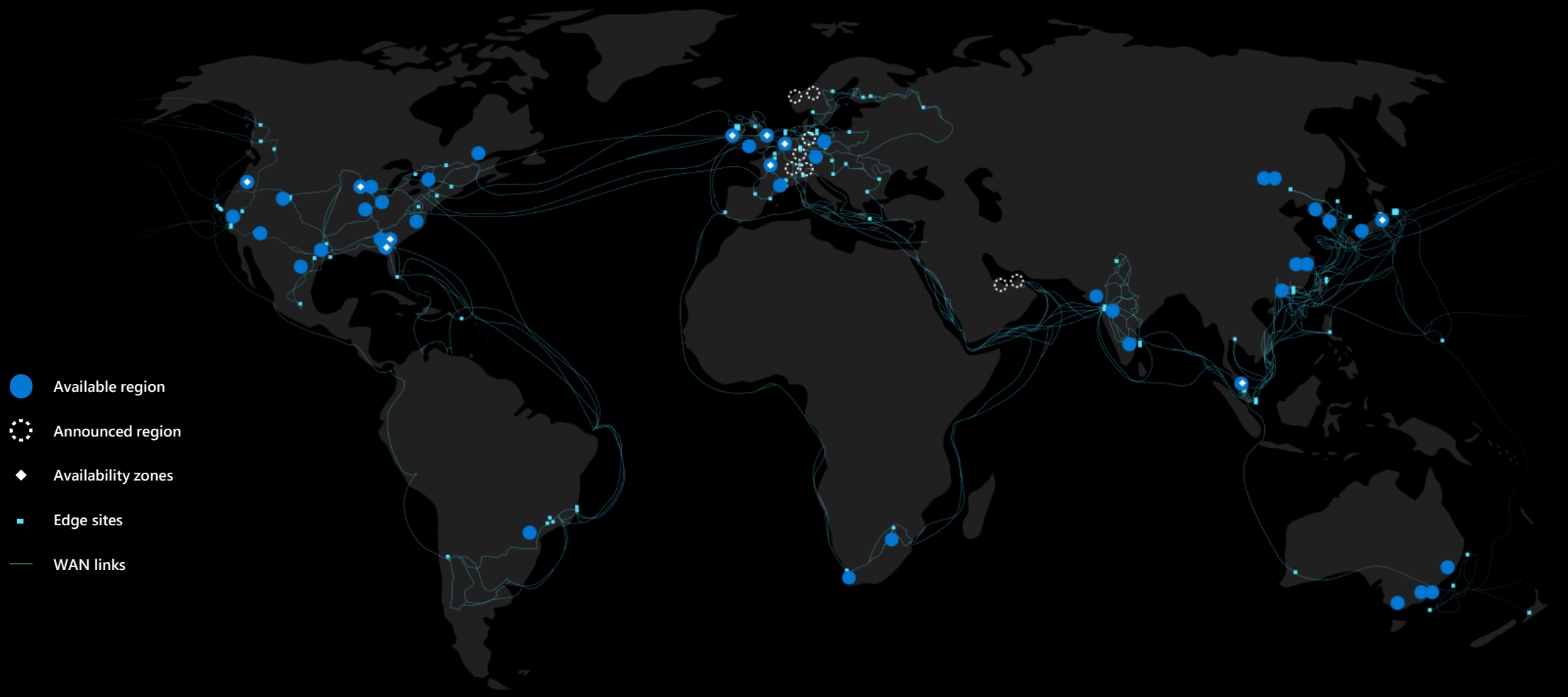
Plan

- Assessment
- TCO/Business case
- Migration plan

People . Process . Technology



More regions than any other cloud provider



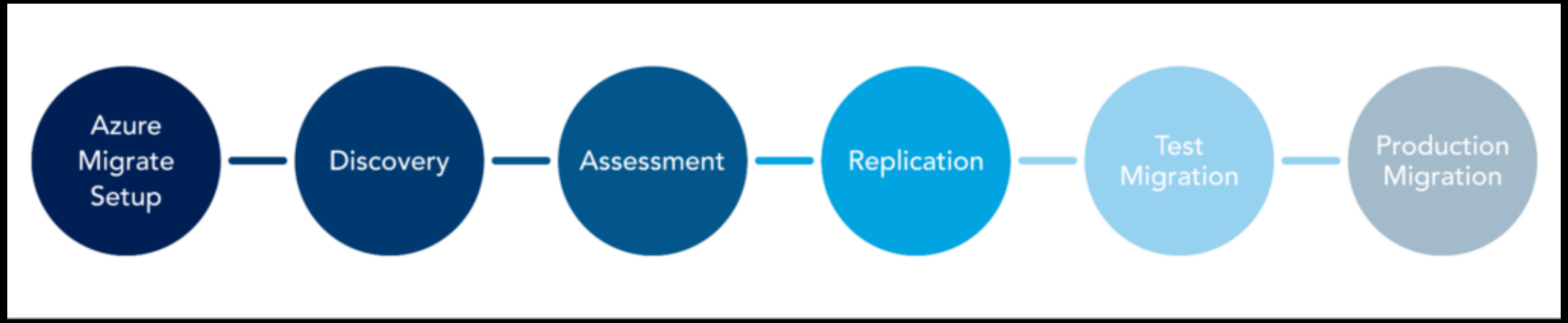
60 Regions worldwide

130K+ Miles of fiber and subsea cable

160+ Edge sites

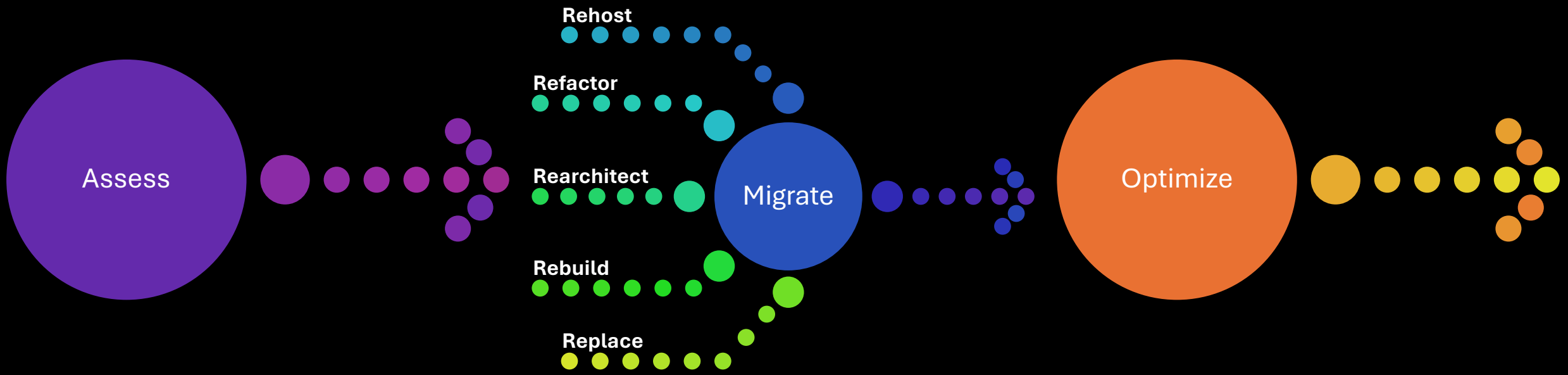
200+ ExpressRoute partners

Configuring Azure Migration Services



Azure Migration Tools Overview

Breaking down the Azure migration journey

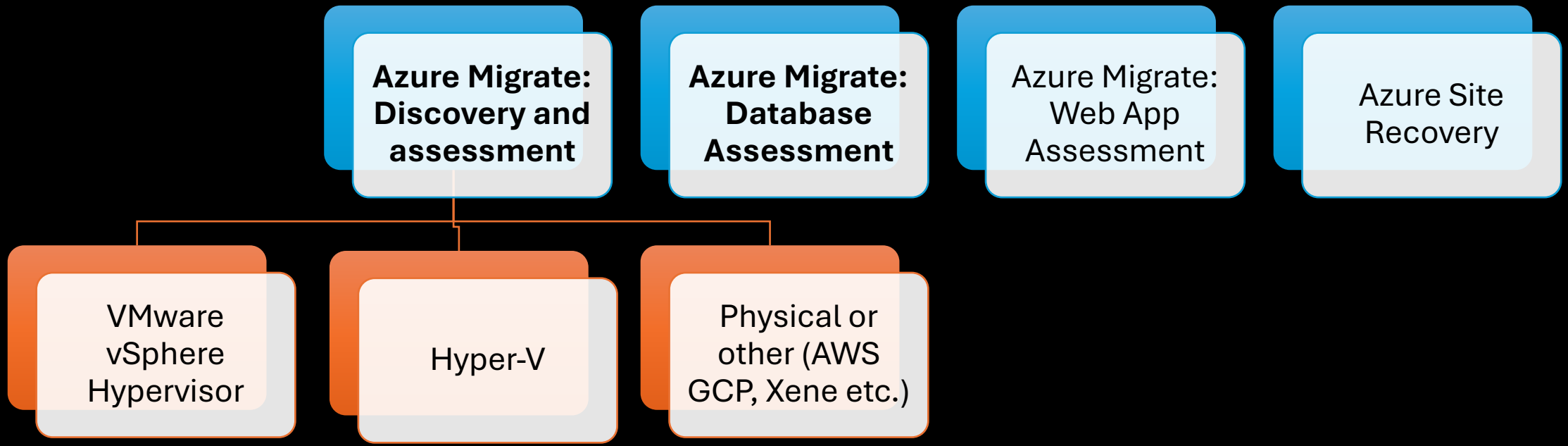


Understanding Cloud Migration Strategies

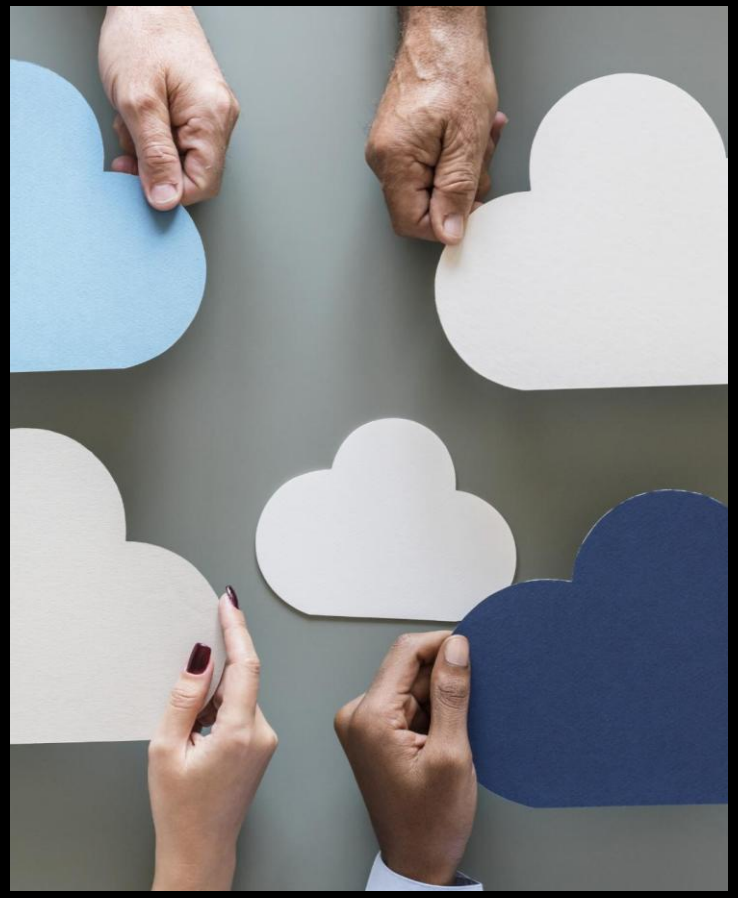
Strategy	Description	Use Cases	Pros	Cons	Example Tools
Rehost	Lift-and-shift existing applications to Azure with no changes.	Quick migrations, legacy systems.	Fast and low-risk migration. Minimal changes required.	Doesn’t leverage cloud-native features. Potential for higher costs if not optimized.	Azure Migrate, Azure Site Recovery
Refactor	Make minor adjustments to optimize apps for the cloud without major changes to the architecture.	Optimization of performance and costs without full re-architecture.	Leverages some cloud-native features. Cost savings and performance improvements.	More complex than lift-and-shift. Requires some modifications.	Azure App Service, Azure SQL Database
Rearchitect	Modify and optimize the application's core design to better fit cloud-native features like microservices.	Scalability, performance improvements, or applications with significant limitations in their current form.	Fully leverages cloud-native features, highly scalable and flexible.	Time-consuming, complex, requires significant changes to the application.	Azure Kubernetes Service (AKS), Azure Functions, Azure Logic Apps
Rebuild	Redevelop the application from scratch using cloud-native technologies.	Legacy systems that can’t meet business needs. Long-term modernization projects.	Maximum cloud-native benefits. Modern architecture.	High initial cost and development effort. Requires significant expertise and time.	Azure DevOps, Azure App Service, Azure Cosmos DB
Replace	Replace the existing application with an off-the-shelf SaaS solution.	Standard applications such as CRM, ERP, or collaboration tools.	No need to maintain or update applications. Quick to implement.	Loss of customization. May not fit all business needs perfectly.	Microsoft Dynamics 365, Salesforce, Office 365

Migration Strategies scenarios

Azure Migration Tools Types



AZURE MIGRATION TOOLS



- Purpose of the Tool
  - Assesses on-premises workloads
  - Determines suitability for Azure migration
- Key Features
  - Detailed infrastructure analysis
  - Application and database assessment
  - Identification of potential challenges
  - Cost estimation
- Strengths
  - Comprehensive assessment
  - User-friendly interface
  - Effective cost estimation

Azure Database Migration Assistant

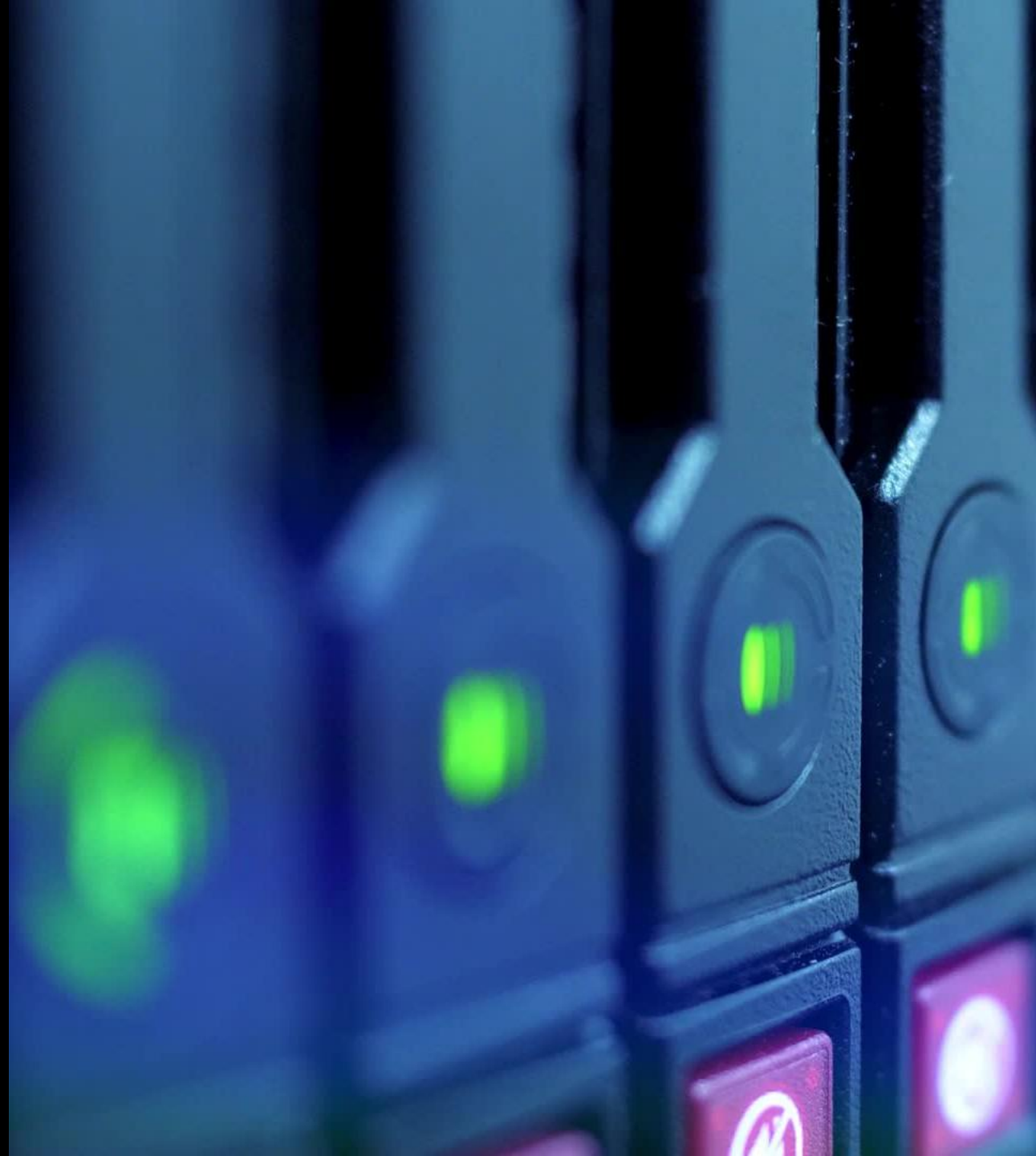
Azure Database Migration Assistant:

Database Migration Assistant

- Supports Various Database Platforms
  - SQL Server
  - Oracle
  - MySQL
  - PostgreSQL
- Provides Compatibility Assessments
  - Ensures smooth transition between platforms
- Automates the Migration Process
  - Reduces manual effort
  - Increases efficiency

Purpose of Database Migration Assistant

- Purpose of the Tool
  - Migrates databases to Azure SQL Database
  - Supports Azure SQL Managed Instance
  - Compatible with Azure Cosmos DB
- Key Strengths
  - Powerful database migration capabilities
  - Conducts compatibility assessments
  - Includes automation features



AZURE SITE RECOVERY

- Purpose
  - Migrates entire on-premises infrastructure
  - Includes servers, applications, and data
- Features
  - Supports both physical and virtualized environments
  - Provides disaster recovery capabilities
  - Offers hybrid cloud flexibility
- Strengths
  - Comprehensive infrastructure migration
  - Disaster recovery capabilities
  - Hybrid cloud support