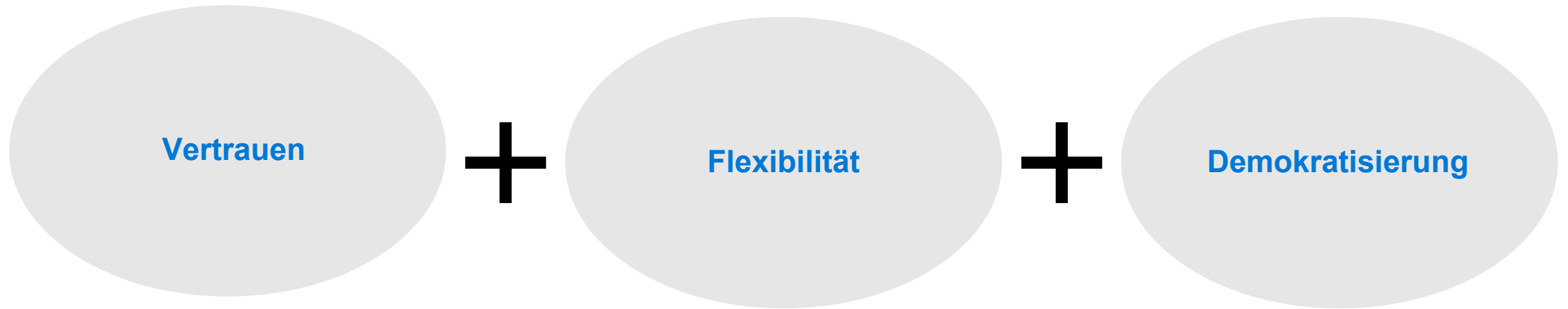




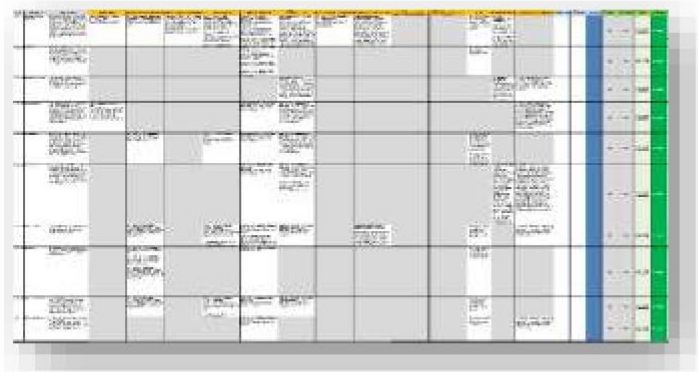
Microsoft Azure

Roland Gradl
Business Group Lead Cloud & Enterprise – Microsoft

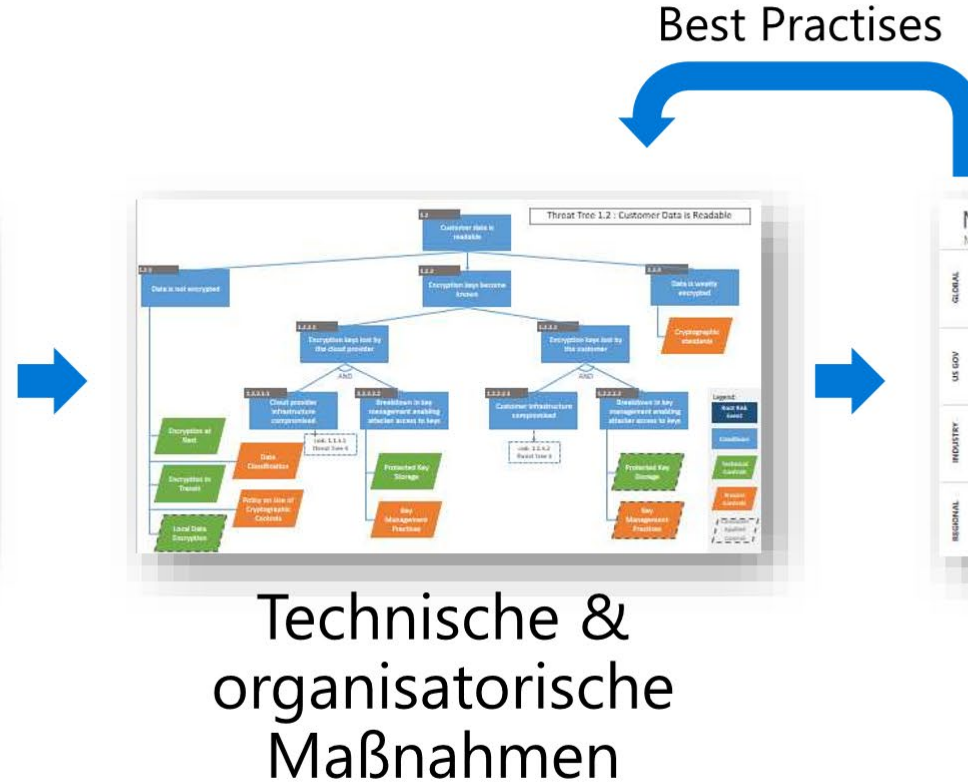
Microsoft Azure Grundsätze



Service Trust Framework



Risiko Katalog



Technische & organisatorische Maßnahmen



Zertifizierungen

<https://servicetrust.microsoft.com>

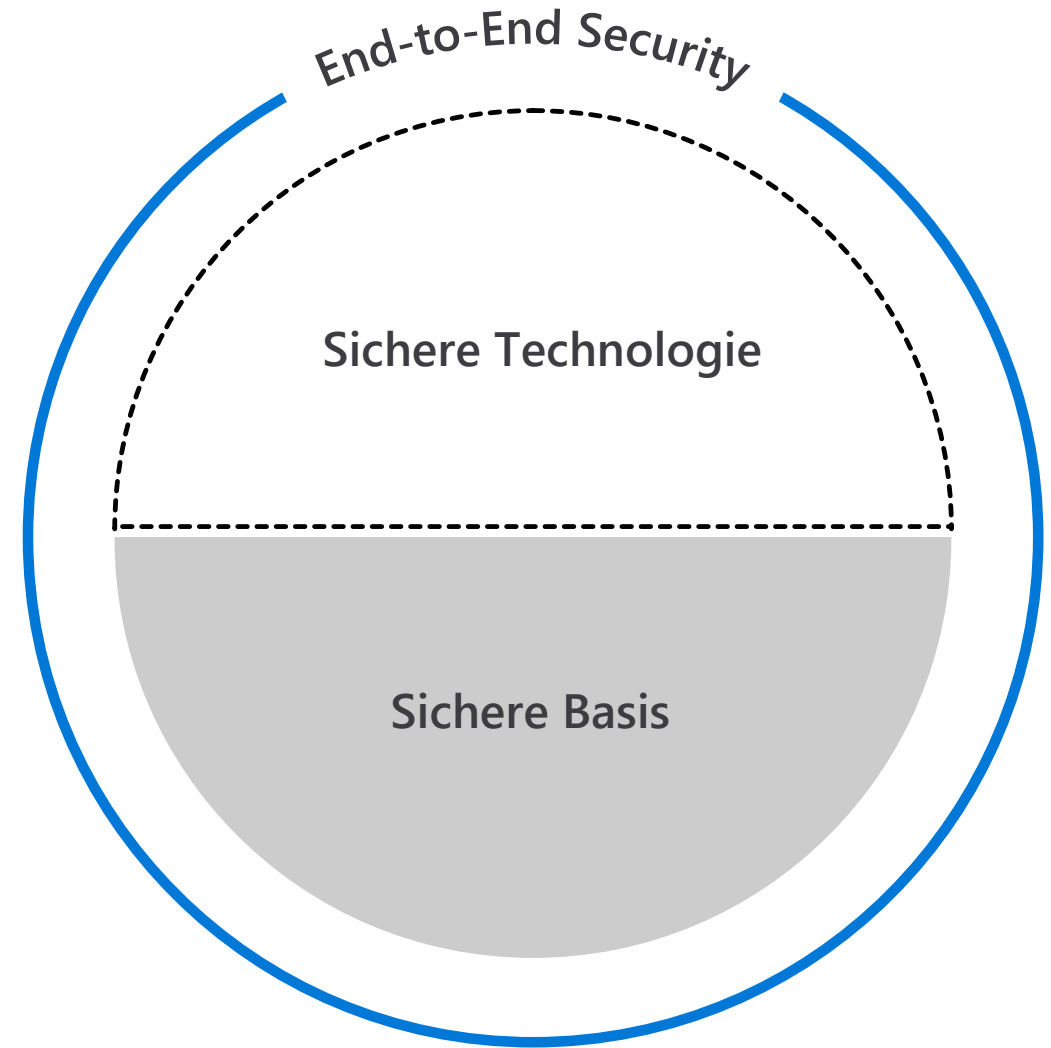
90+ Complianceangebote

GLOBAL	 ISO 27001	 ISO 27018	 ISO 27017	 ISO 22301	 SOC 1 Type 2	 SOC 2 Type 2	 SOC 3	 CSA STAR Self-Assessment	 CSA STAR Certification	 CSA STAR Attestation								
US GOV	 Moderate JAB P-ATO	 High JAB P-ATO	 DoD DISA SRG Level 2	 DoD DISA SRG Level 4	 DoD DISA SRG Level 5	 SP 800-171	 FIPS 140-2	 Section 508 VPAT	 ITAR	 CJIS	 IRS 1075							
INDUSTRY	 PCI DSS Level 1	 CDSA	 MPAA	 FACT UK	 Shared Assessments	 FISC Japan	 HIPAA / HITECH Act	 HITRUST	 GxP 21 CFR Part 11	 MARS-E	 IG Toolkit UK	 FERPA	 GLBA	 FFIEC				
REGIONAL	 Argentina PDPA	 EU Model Clauses	 UK G-Cloud	 China DJCP	 China GB 18030	 China TRUCS	 Singapore MTCS	 Australia IRAP/CCSL	 New Zealand GCIO	 Japan My Number Act	 ENISA IAF	 Japan CS Mark Gold	 Spain ENS	 Spain DPA	 India MeitY	 Canada Privacy Laws	 Privacy Shield	 Germany IT Grundschutz workbook

Sicherheit

\$1 Milliarde+ jährliches Investment

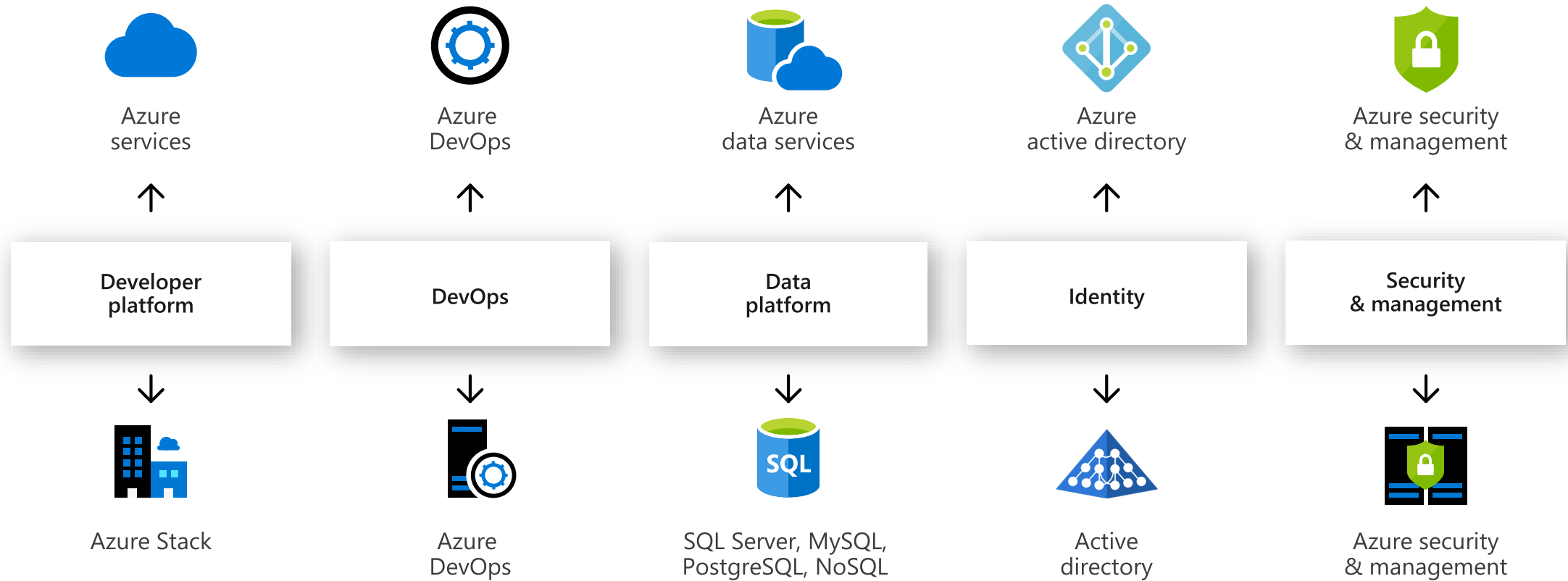
Über 3500 Security Experten



Open Source on Azure



Hybrid by Design

















54 Azure Regionen

Regions added this Summer:

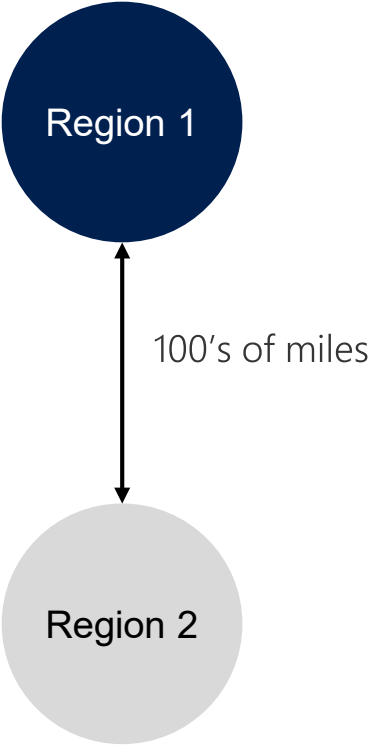
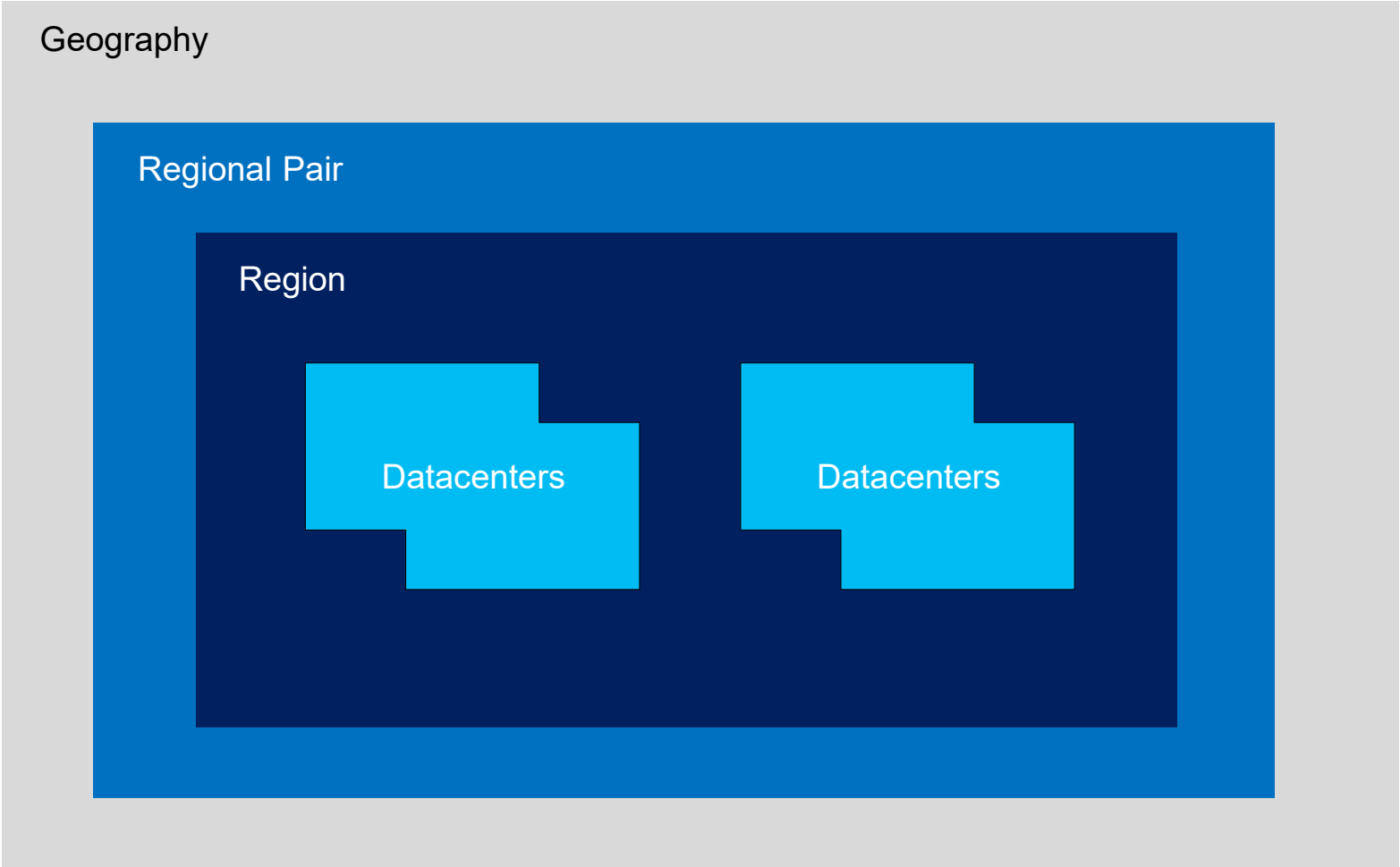
Switzerland North
Switzerland South
Germany North
Germany Central



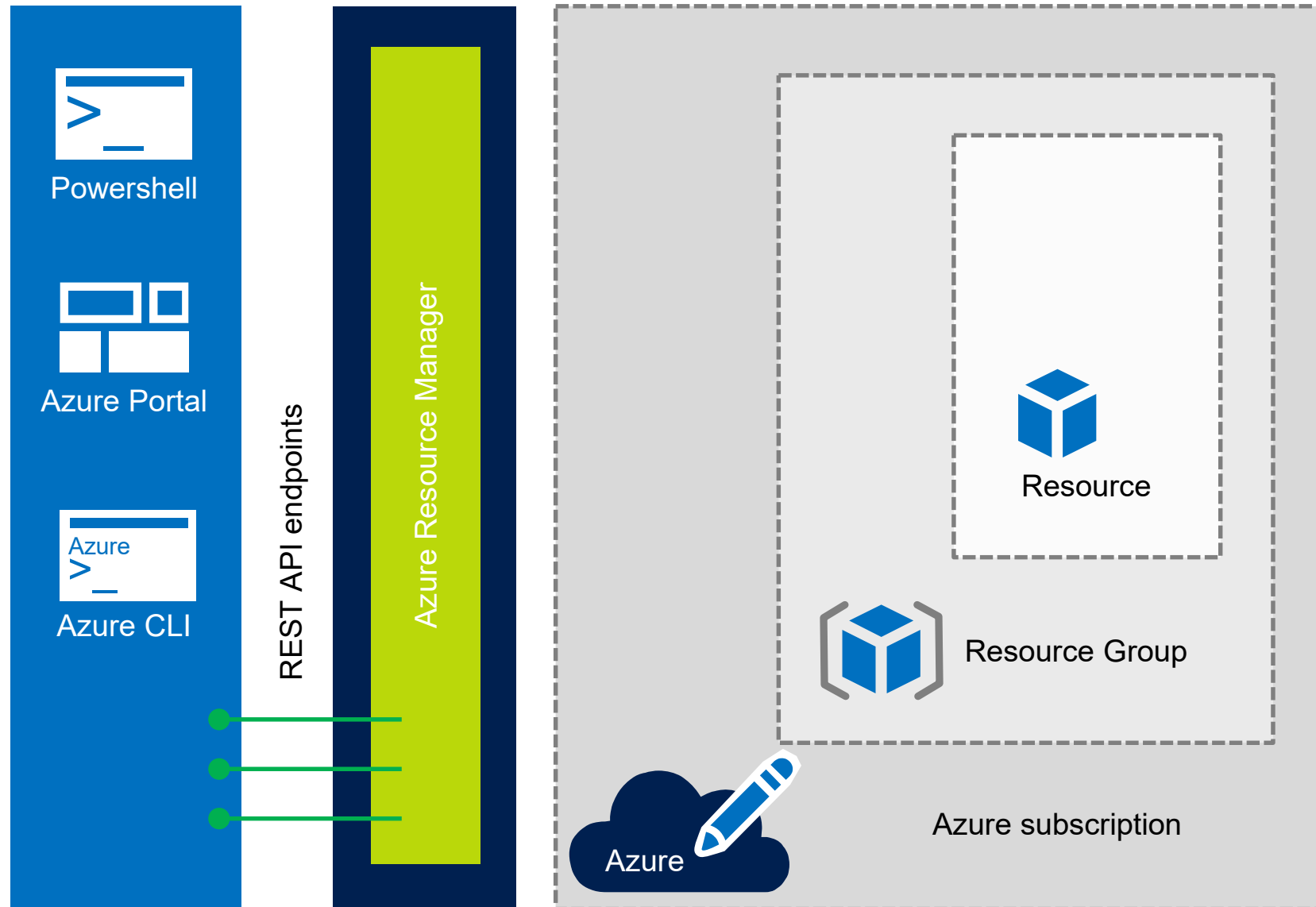
Infrastructure for all workloads

On-demand	Purpose-built	Linux, Open Source, and Red Hat	Best Choice for Microsoft workloads
 Compute		 +50% of Azure VMs are running Linux	 Cost savings
 Networking		 1.4x growth of Linux	 Easy migrations
 Storage	 	 Co-located support with Red Hat on-site team	 First-party support
			 Modernize apps beyond infrastructure

Geos and Regions



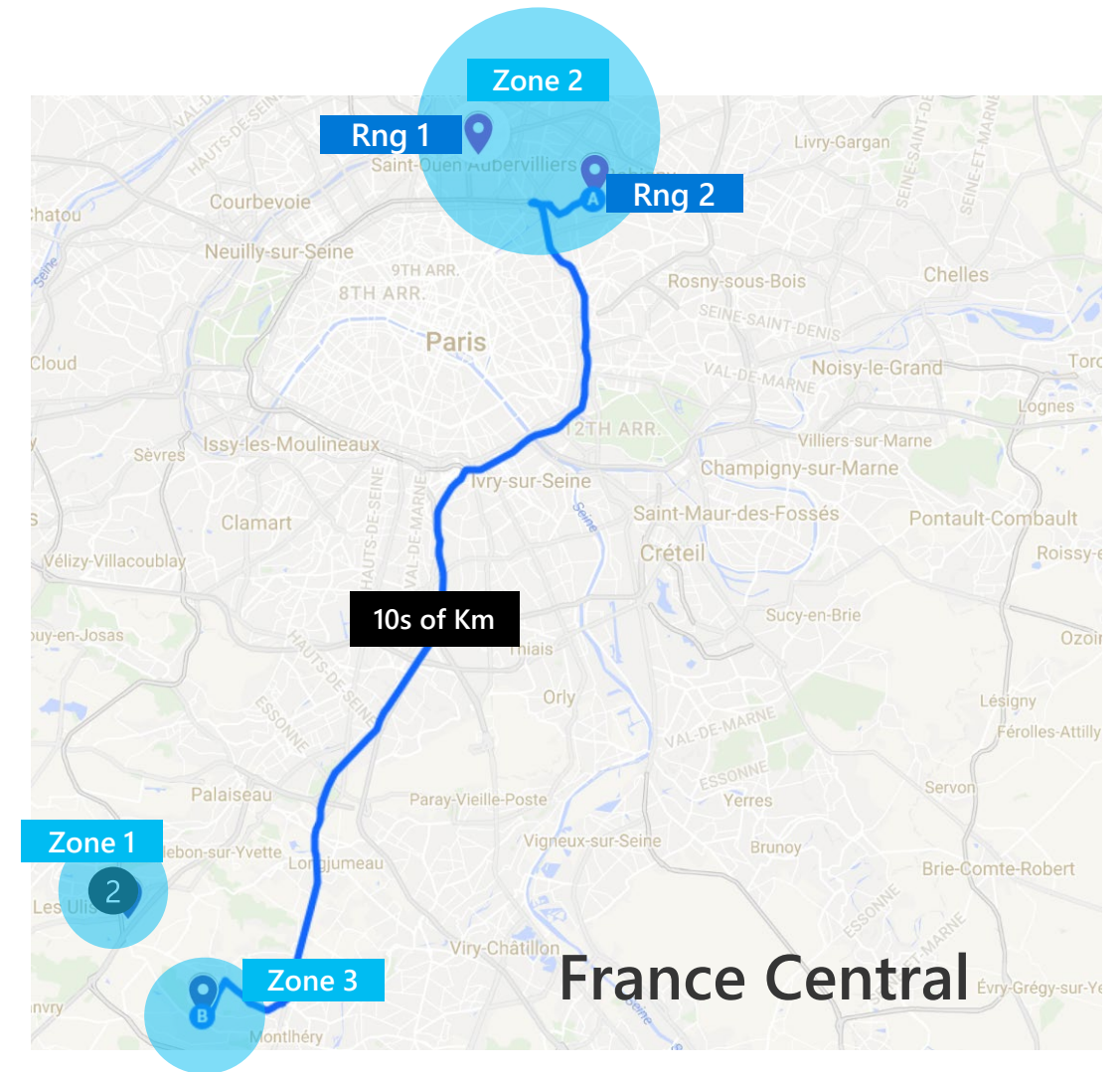
Managing Azure Resources



Availability Zone

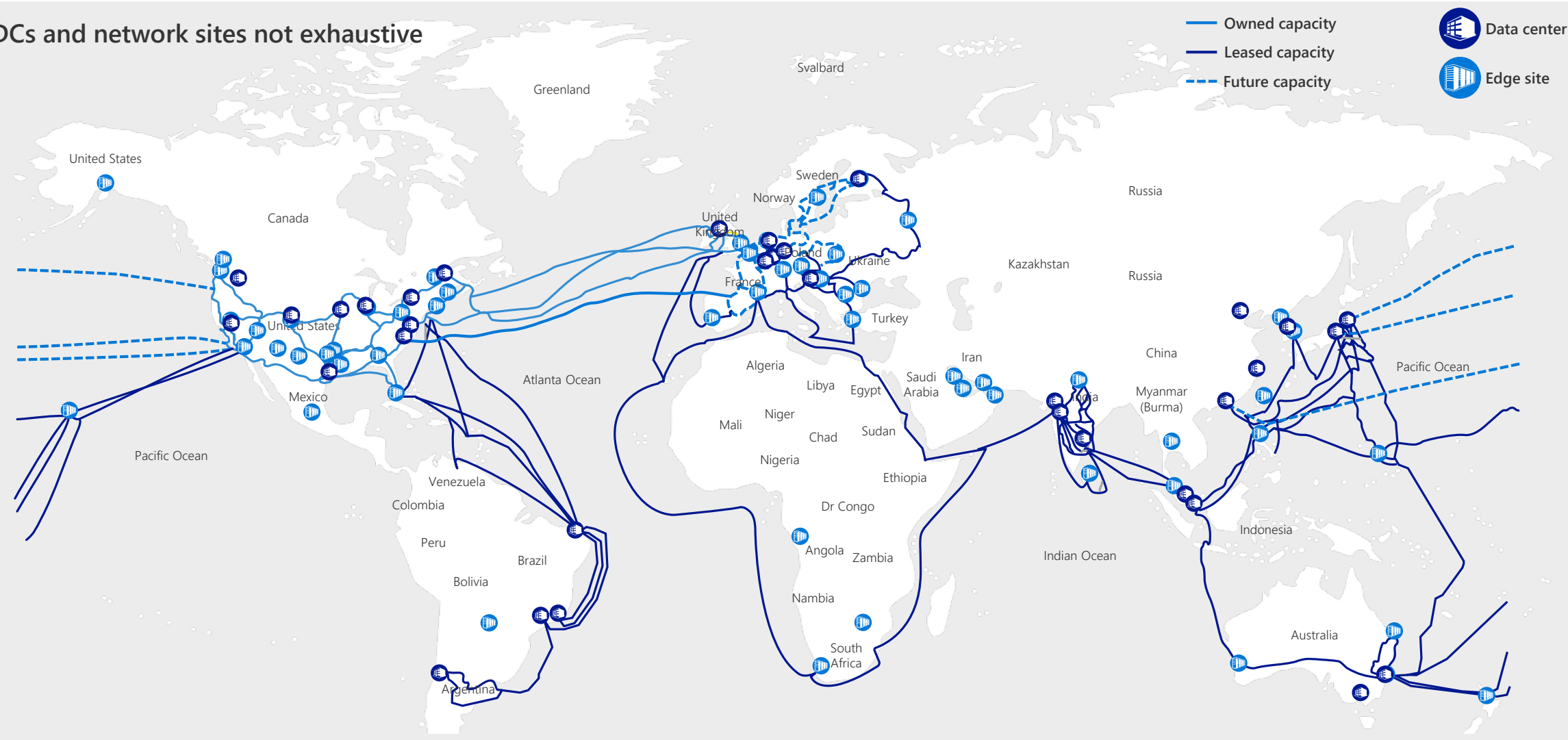
AZs support VMs, Managed Disks, VIPs, VMSS and LB

AZ resources work with existing, regional resources for low customer friction

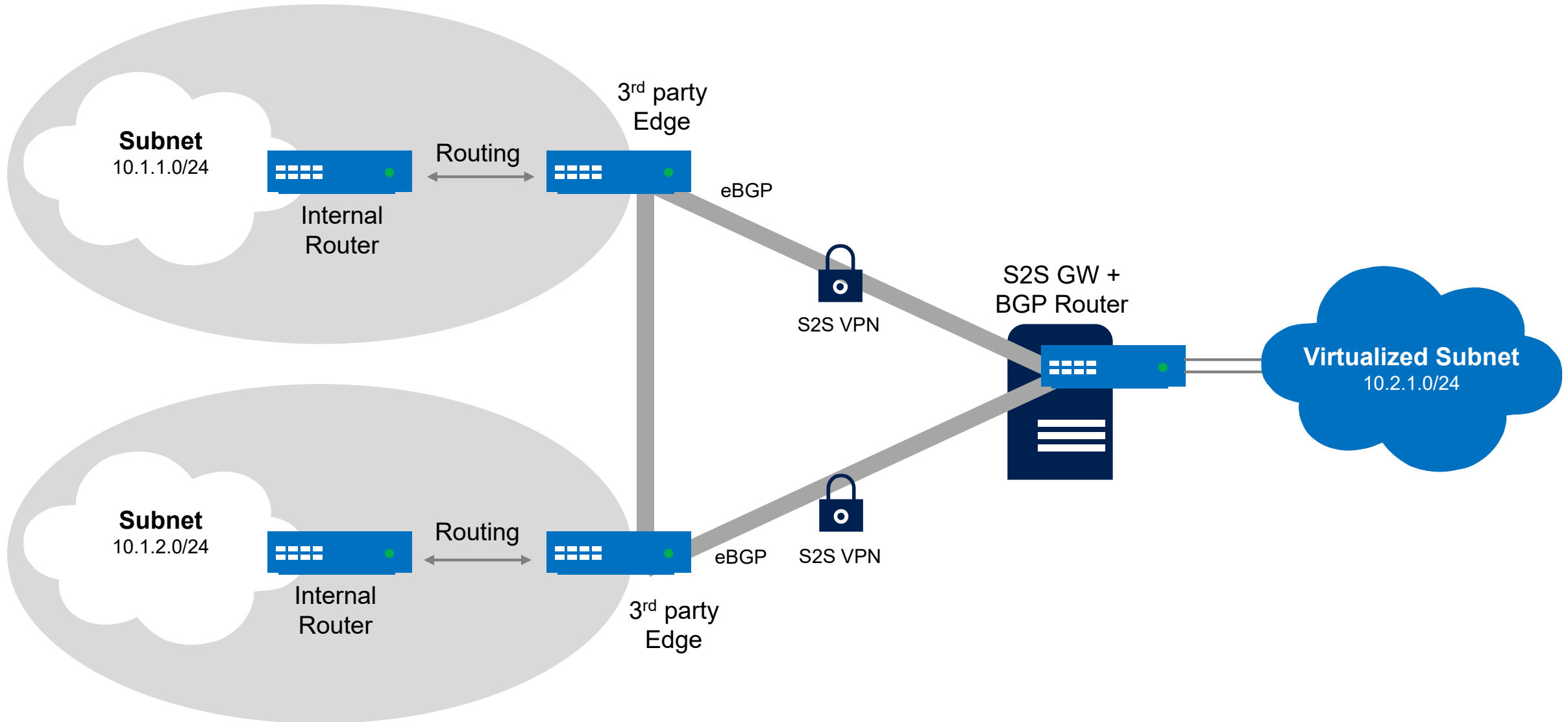


Azure inter-DC dark fiber backbone

DCs and network sites not exhaustive

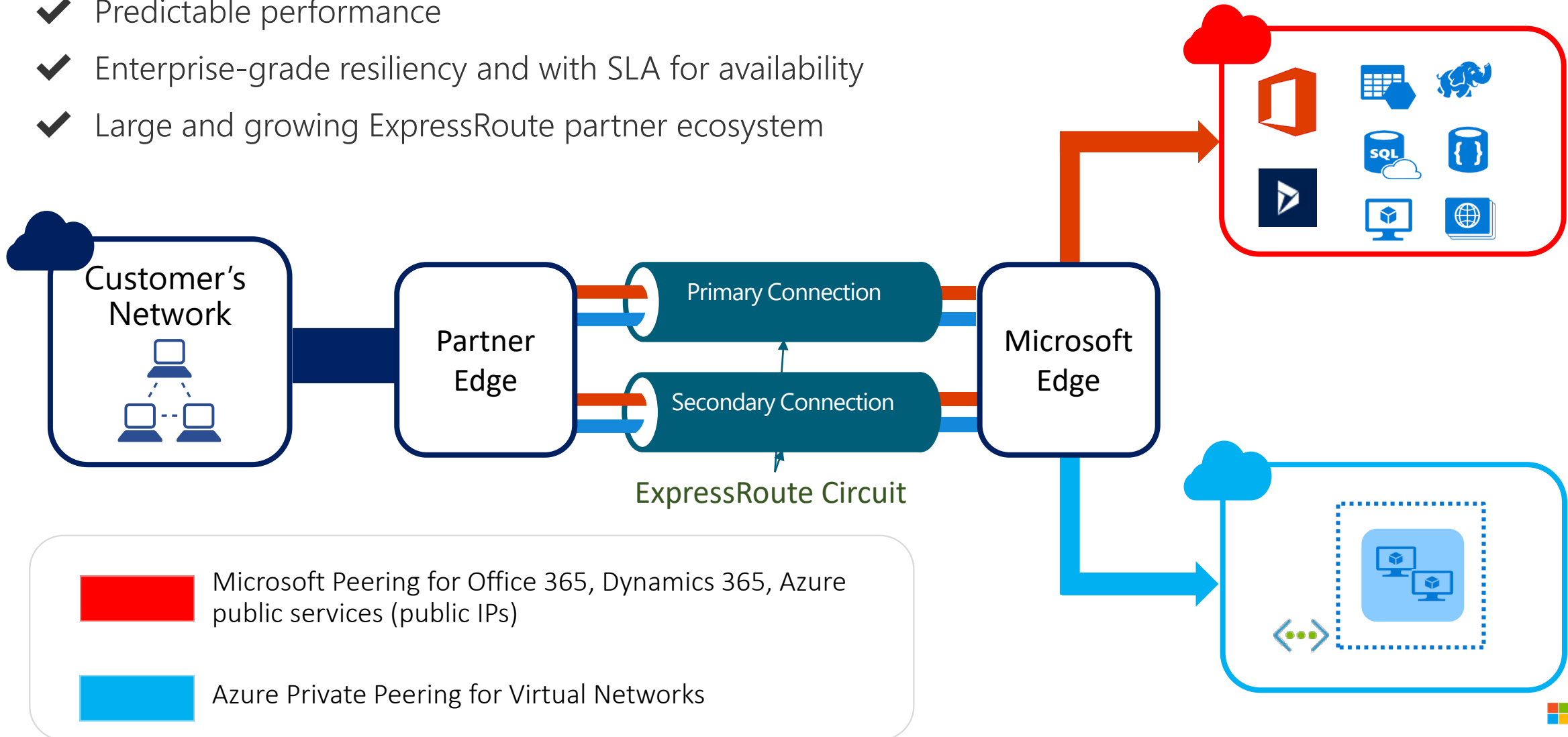


Connecting your sites to Azure





ExpressRoute


- ✓ Unified connectivity to Microsoft Cloud Services
- ✓ Predictable performance
- ✓ Enterprise-grade resiliency and with SLA for availability
- ✓ Large and growing ExpressRoute partner ecosystem
















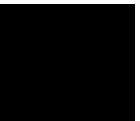


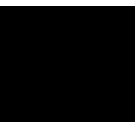
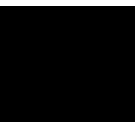





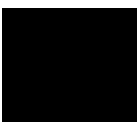
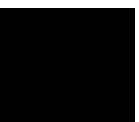
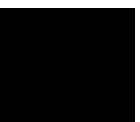




Shared responsibility model

 Customer management

 Shared management

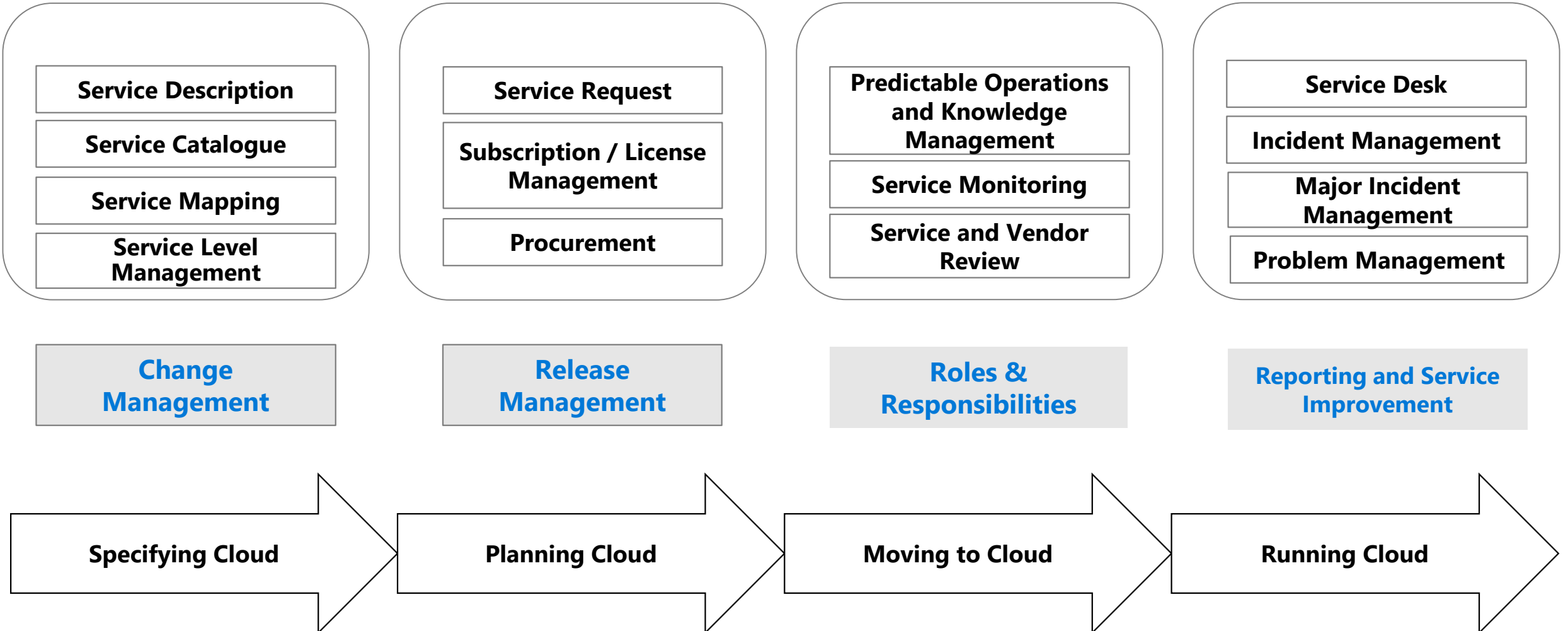
 Provider management

Responsibility	On-Prem	IaaS	PaaS	SaaS
Data classification and accountability				
Client & end-point protection				
Identity & access management				
Application level controls				
Network controls				
Host Infrastructure				
Physical Security				

 Your organization  Microsoft

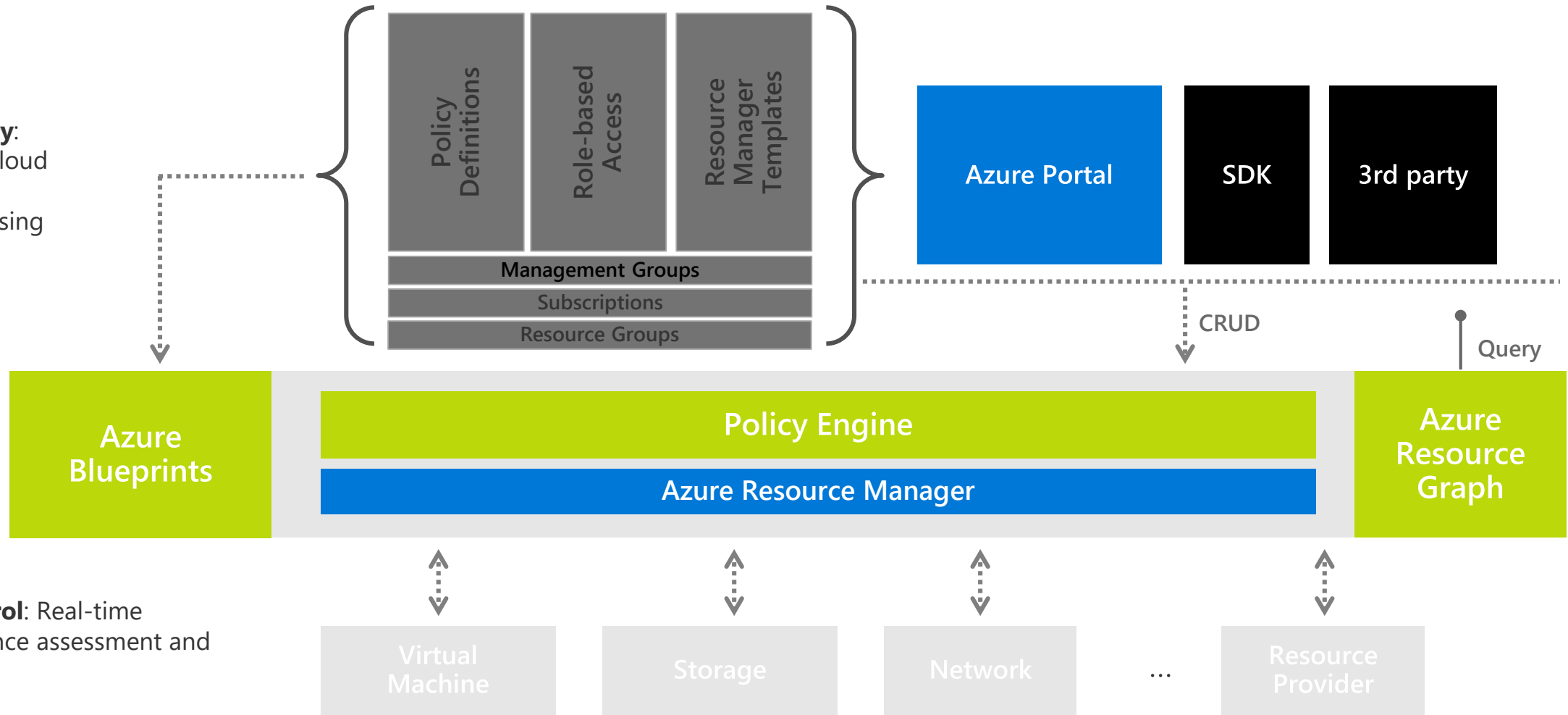
<https://aka.ms/sharedresponsibility>

The Cloud Operating Model



Azure Governance Architecture

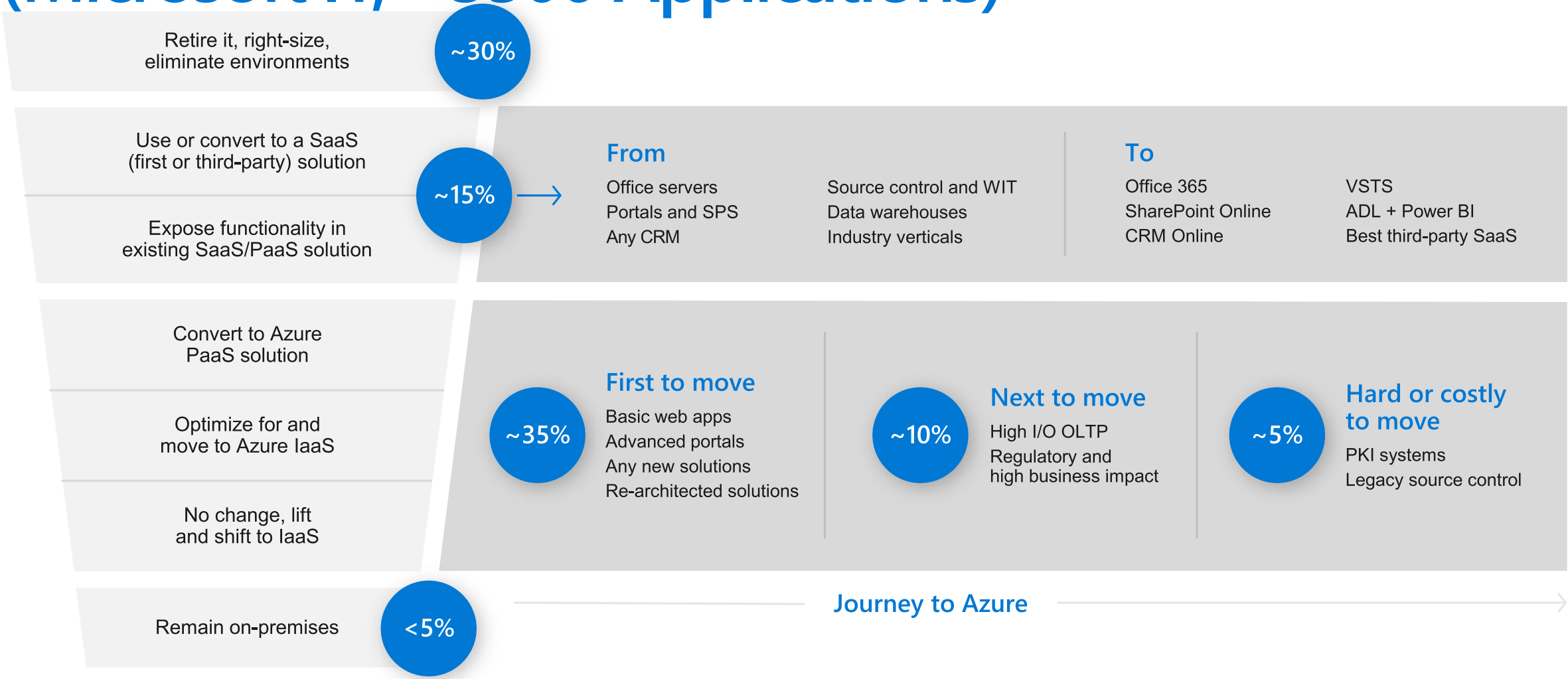
- 1. Environment Factory:** Deploy and update cloud environments in a repeatable manner using composable artifacts



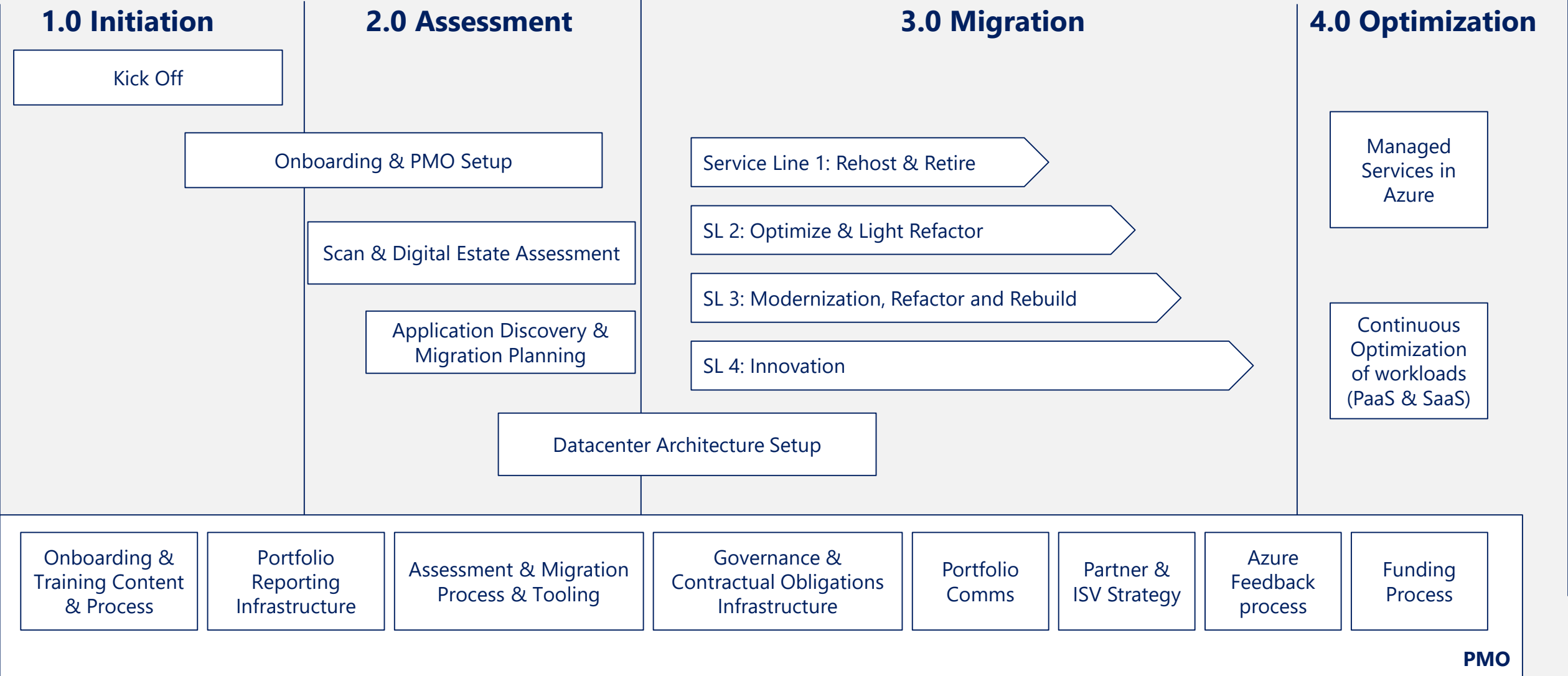
- 2. Policy-based Control:** Real-time enforcement, compliance assessment and remediation at scale

- 3. Resource Visibility:** Query, explore & analyze cloud resources at scale

Modernizing a Fortune 500 application portfolio (Microsoft IT, >3500 Applications)



Datacenter Migration Approach



Infrastructure as Code

