

Microsoft: Cloud Platform Vision

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Transform the datacenter

Microsoft gives you innovative solutions across compute, storage, and networking, in your datacenter and in the cloud

Reduced cost and complexity

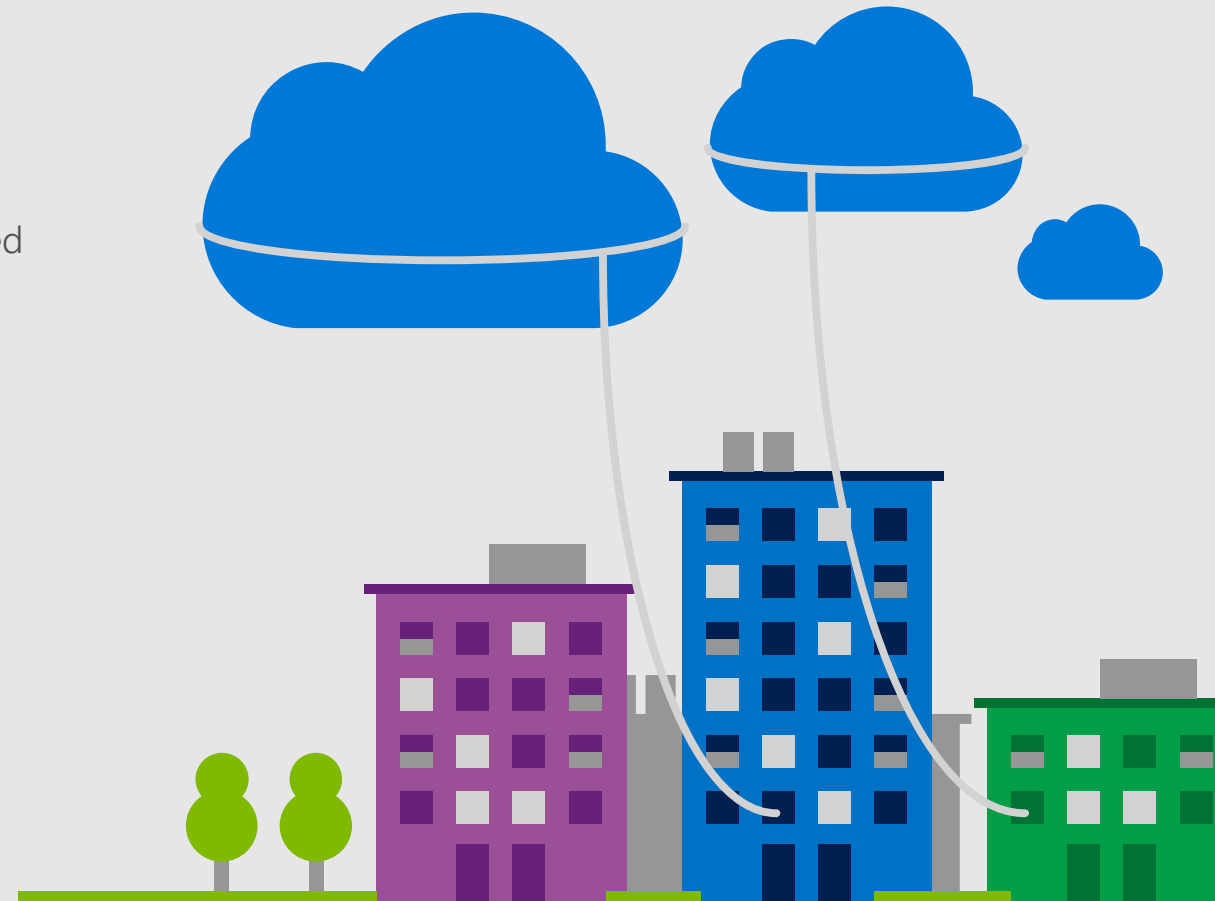
Take advantage of innovation in compute, storage, and networking.

Cloud options on demand

Extend to the cloud with hybrid capabilities that offer concrete benefits to your business.

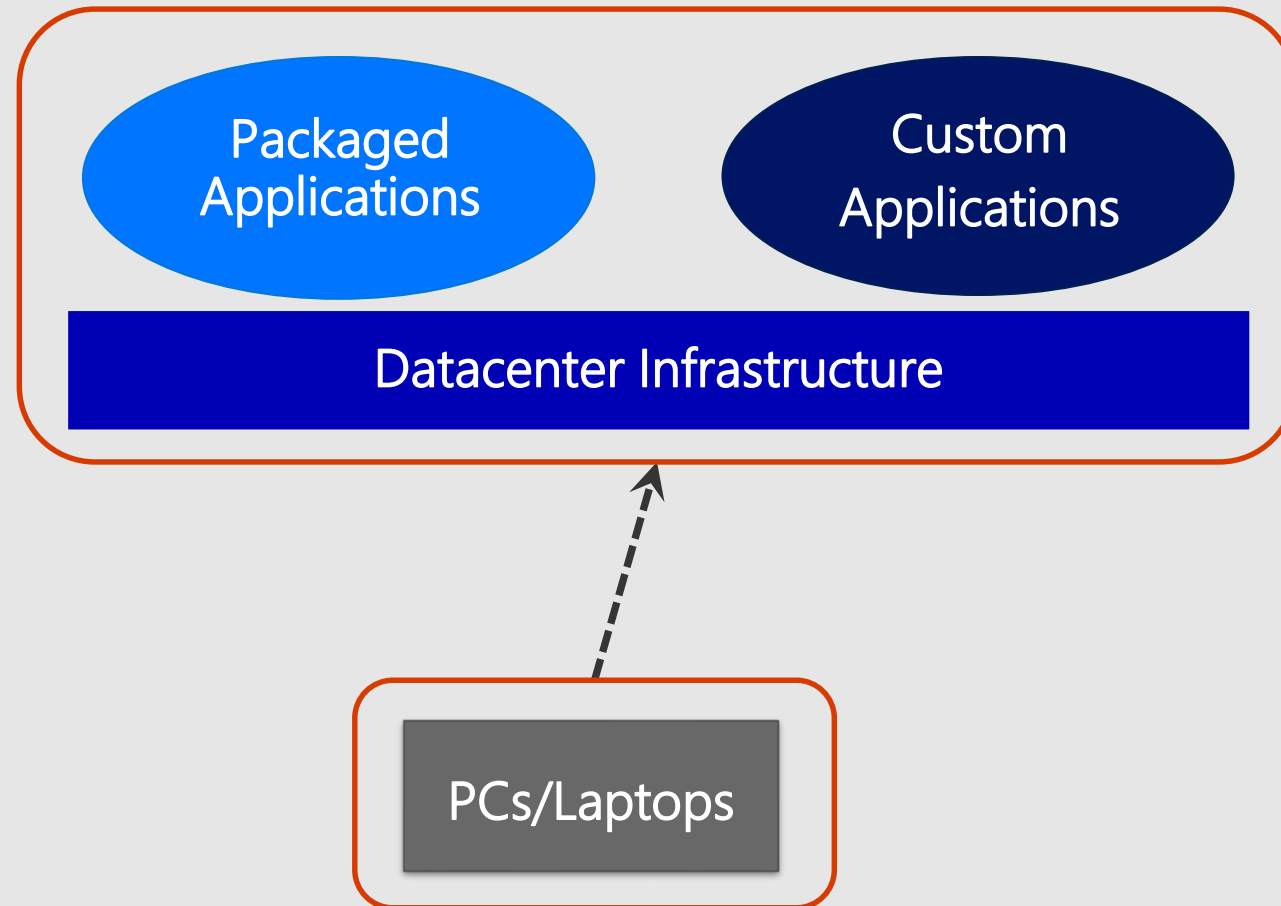
Rapid response to the business

Speed delivery of services with a flexible approach and unified management.



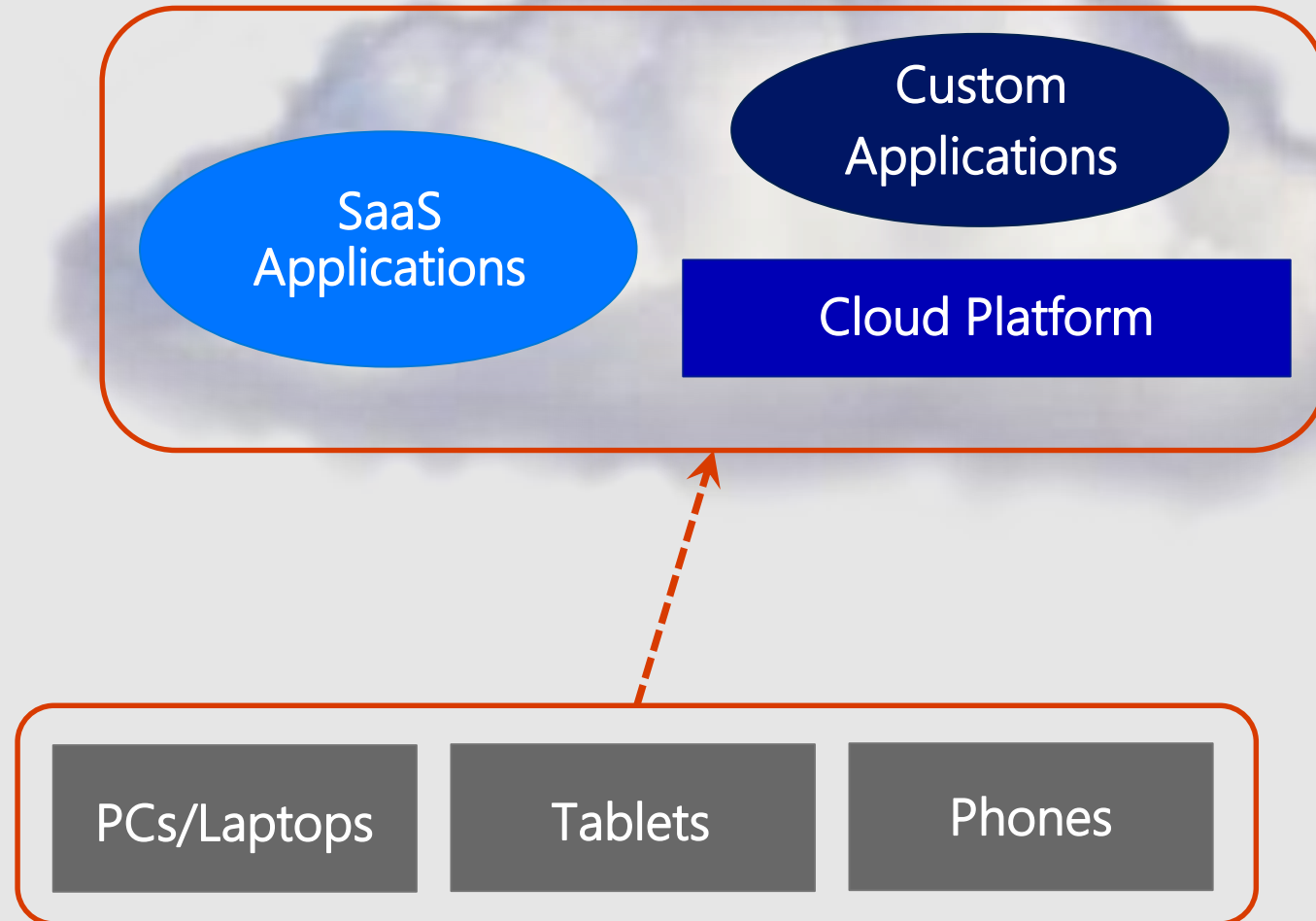
Enterprise IT

The traditional world



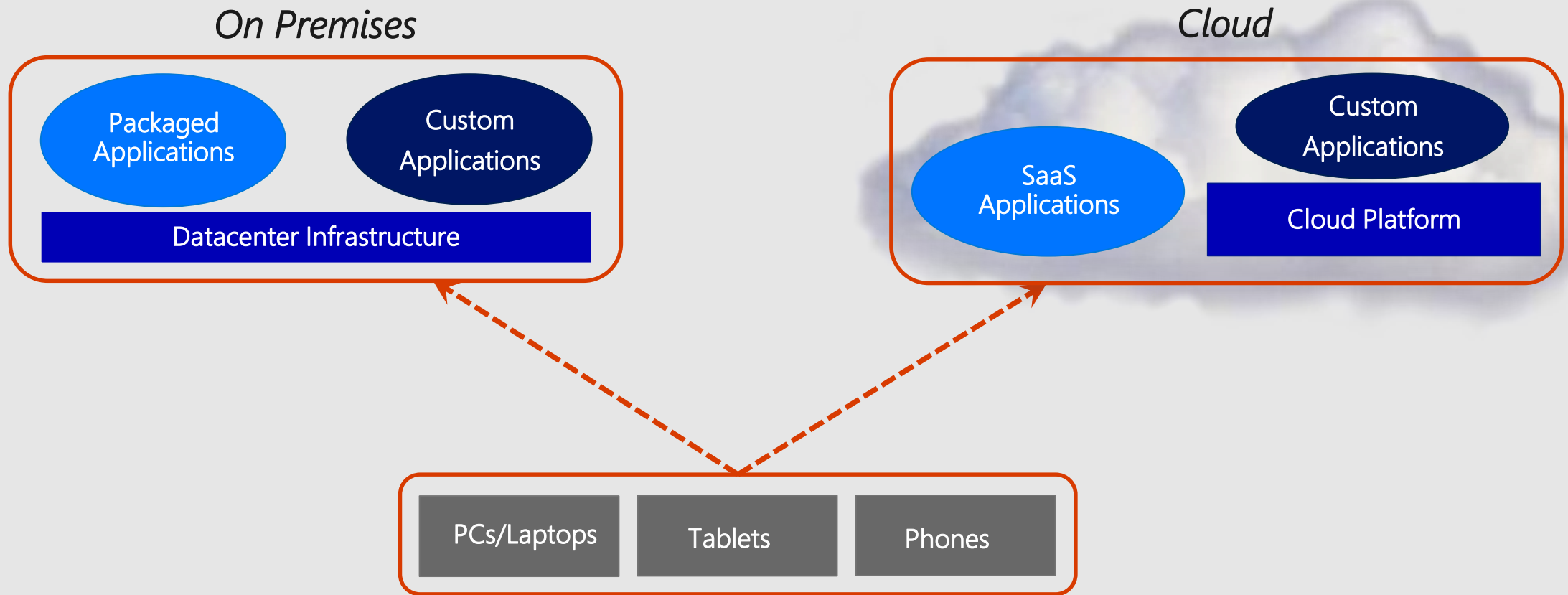
Enterprise IT

The new default



The Reality for Most Organizations Today

A hybrid environment



Why customers want a hybrid solution?

Regulations



Data
sovereignty



Customization



Latency



Unique point of view: cloud is a model, not just a place

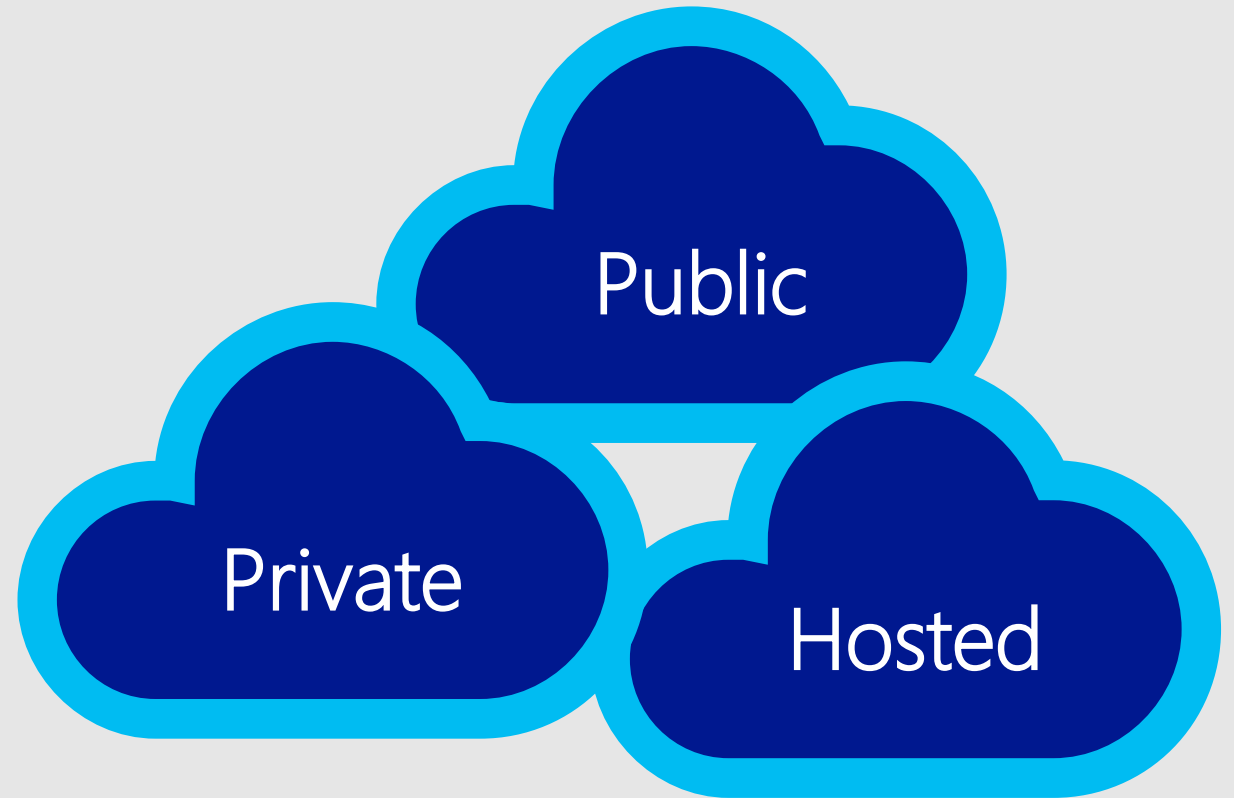
Cloud model is geared for speed

Developers have a critical business role

Services and apps create new complexity

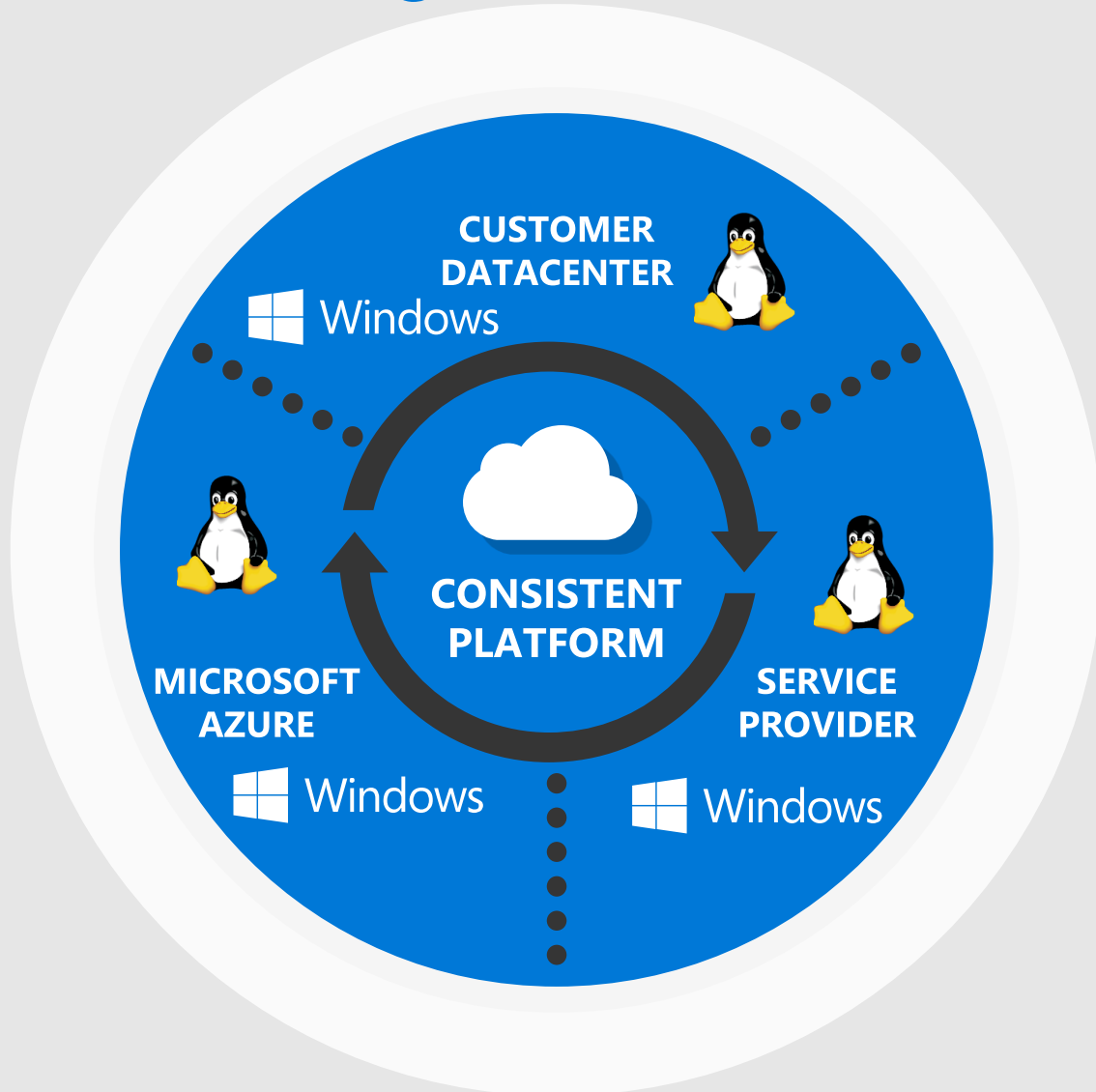
Server is no longer the center point

App is king—app data is business data



Private, public, and hybrid cloud

Platform engineered with commonalities for flexibility, consistency



Development

code once, deploy
VMs anywhere

Virtualization

built in, not an add-on

Management

unified view across
premises

Data platform

analytics and storage
spanning clouds

Identity

single sign-on

Heterogeneity

Linux is a 1st class citizen
alongside Windows

Azure Compatible Software



Experiences



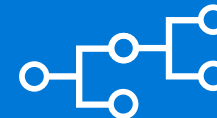
Operations



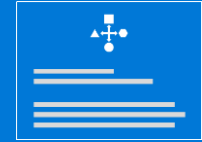
Tools



Deployments

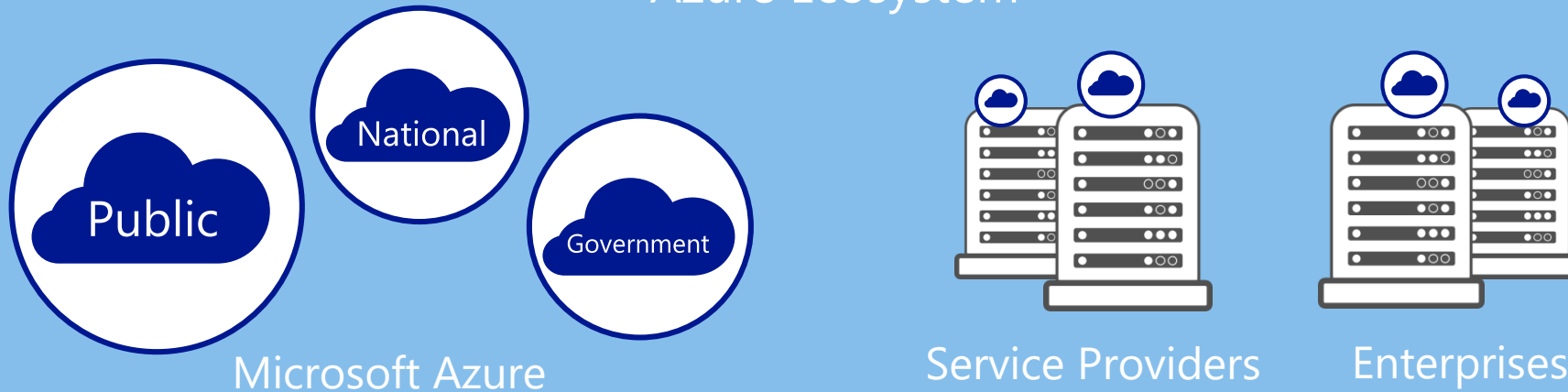


Automations



Application Patterns

Azure Ecosystem



Microsoft Datacenters

Integrated Systems

What is Infrastructure as Code?

“Infrastructure as Code (IaC) is the process of managing and provisioning computing infrastructure and their configuration through machine-processable definition files.”

Wikipedia

What is Infrastructure as Code?

1. Source Controlled
2. In code (Scripts & Templates)
3. Automated & Continuous Deployment
4. Testing
5. Feedback loop (Monitoring)

Hyper scale Infrastructure is the enabler

38 Regions Worldwide, 34 ONLINE...huge capacity around the world...growing every year



- 100+ datacenters
- Top 3 networks in the world
- G Series – Largest VM in World, 32 cores, 448GB Ram, SSD...

■ Operational

■ Announced/Not Operational

* Operated by 21Vianet

What are we delivering?



Microsoft Azure Stack

The power of Azure in your datacenter

Hybrid application innovation with Azure and Azure Stack

Azure Stack is an extension of Azure. It brings the agility and innovation of cloud computing to on-premises environments.

Azure Stack

Why use it?

Cloud services everywhere

On-premises, at a service provider, or in a global cloud

Same services everywhere

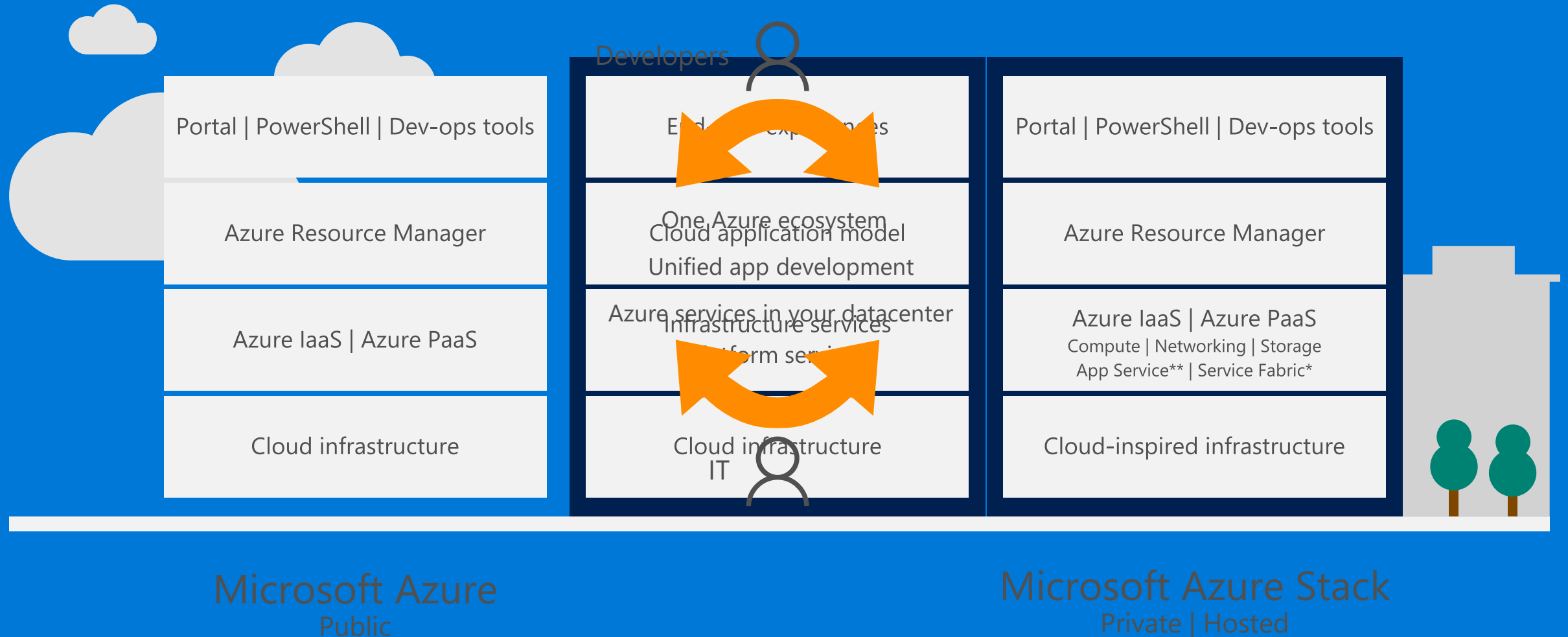
A subset of full Azure
Allows code, data, and skills portability

Straightforward setup and management

Provides appliances for private cloud

Azure is a hybrid cloud platform

Power of Azure in your datacenter



* - some components will be in Preview at Azure Stack GA

Platform Services

Security and Management

- Portal
- Active Directory
- Multi-factor Authentication
- Automation
- Key Vault
- Store/Marketplace
- VM Image Gallery and VM Depot

Compute

- Cloud Services
- Service Fabric
- Batch
- Remote App

Web and mobile

- Web Apps
- API Apps
- API Management
- Mobile Apps
- Logic Apps
- Notification Hubs

Developer services

- Visual Studio
- Azure SDK
- Team Project
- Application Insights

Hybrid Operations

- Azure AD Connect Health
- AD Privileged Identity Management
- Backup
- Operational Insights
- Import/Export
- Site Recovery
- StorSimple

Integration

- Storage Queues
- Biztalk Services
- Hybrid Connections
- Service Bus

Analytics and IoT

- HDInsight
- Machine Learning
- Data Factory
- Event Hubs
- Stream Analytics
- Mobile Engagement

Data

- SQL Database
- SQL Data Warehouse
- Redis Cache
- Search
- DocumentDB
- Tables

Media and CDN

- Media Services
- Content Delivery Network (CDN)

Infrastructure Services

Compute

- Virtual Machine
- Containers

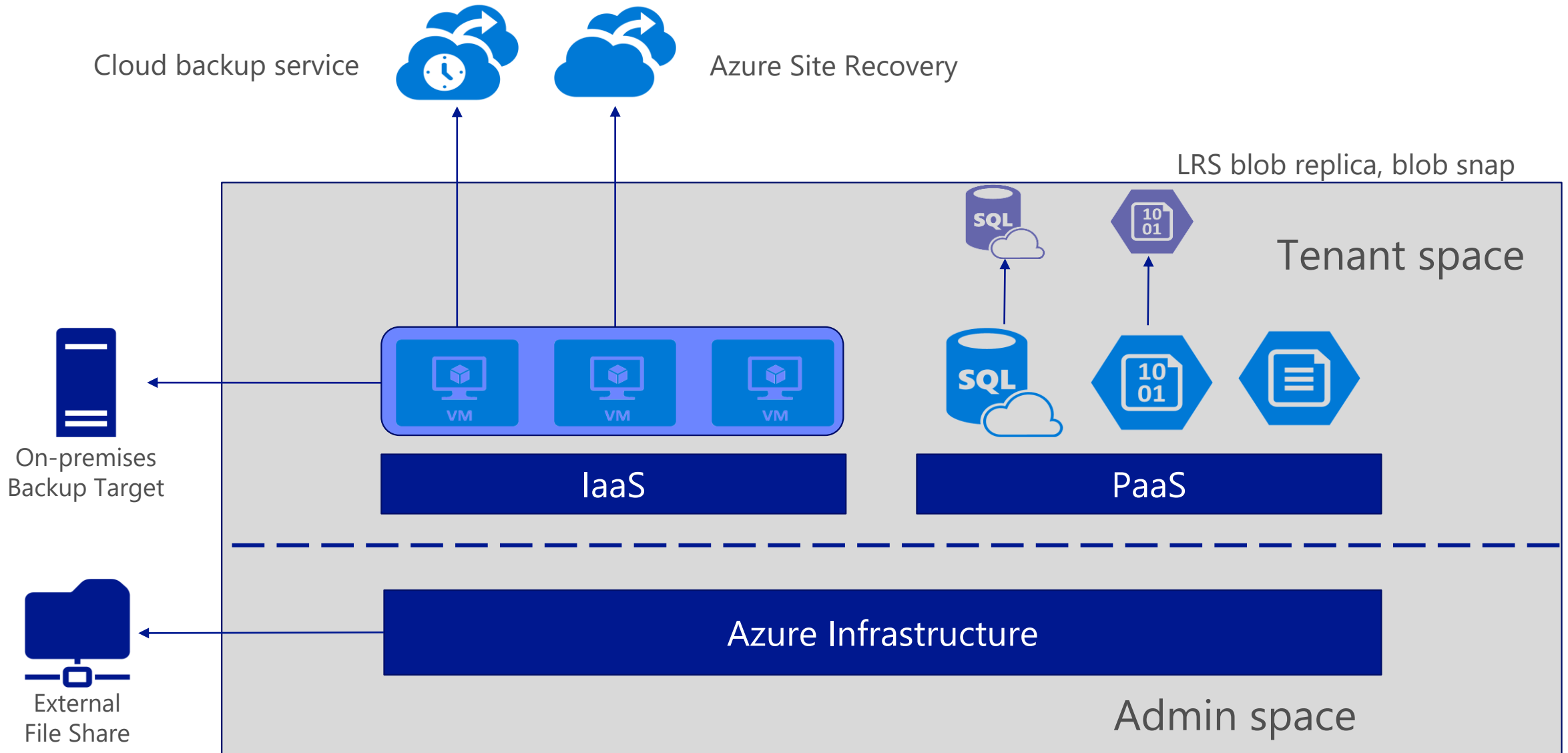
Storage

- BLOB Storage
- Azure Files
- Premium Storage

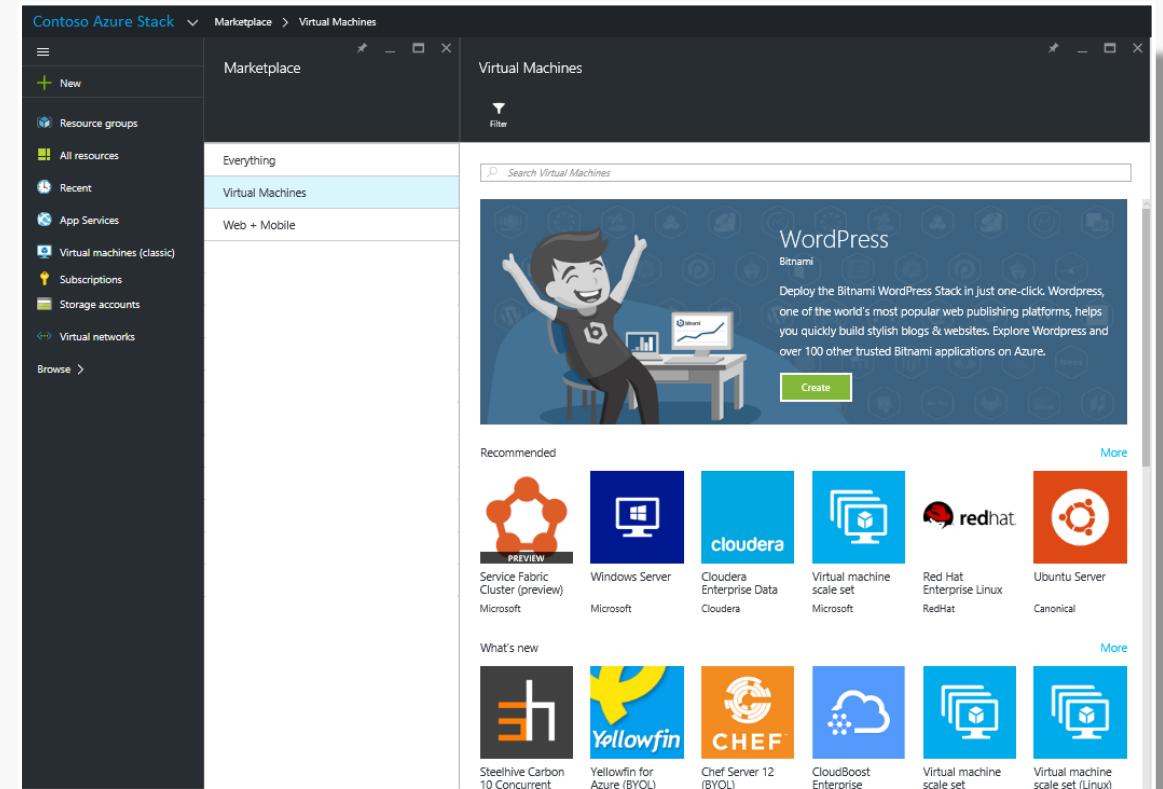
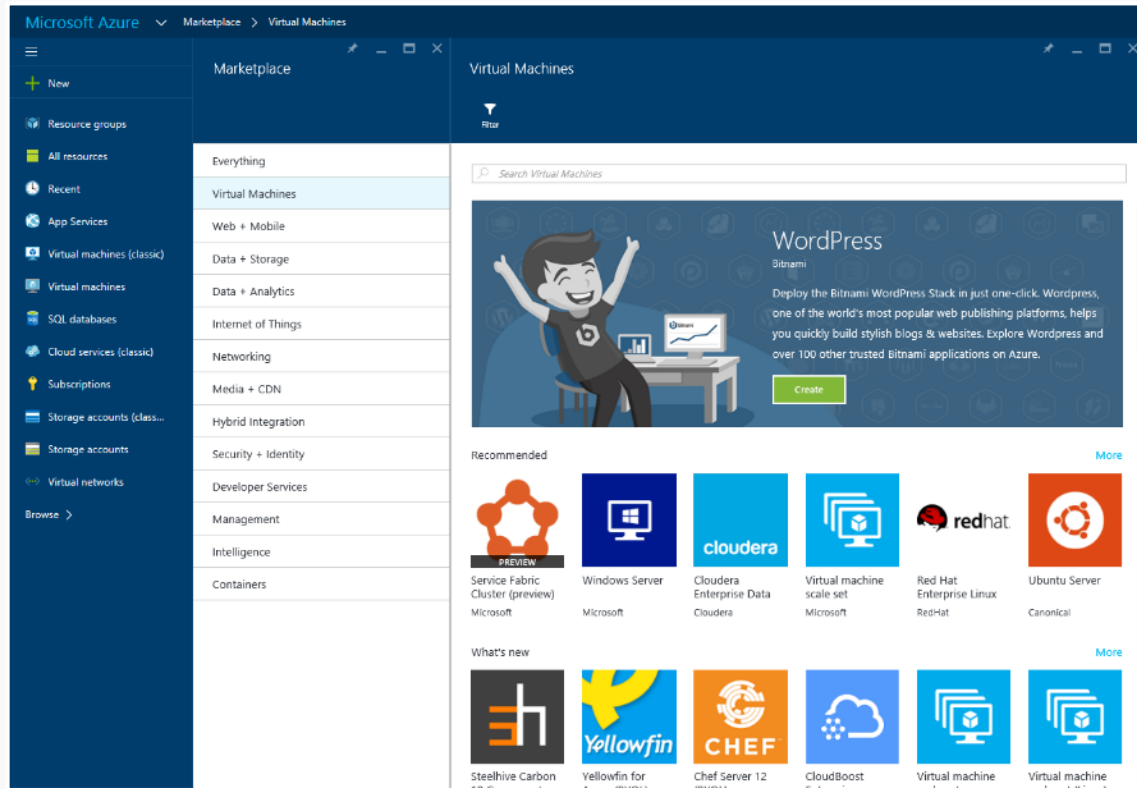
Networking

- Virtual Network
- Load Balancer
- DNS
- Express Route
- Traffic Manager
- VPN Gateway
- Application Gateway

Azure Stack: hybrid management



Marketplace synchronization



Extend your investment from Azure...

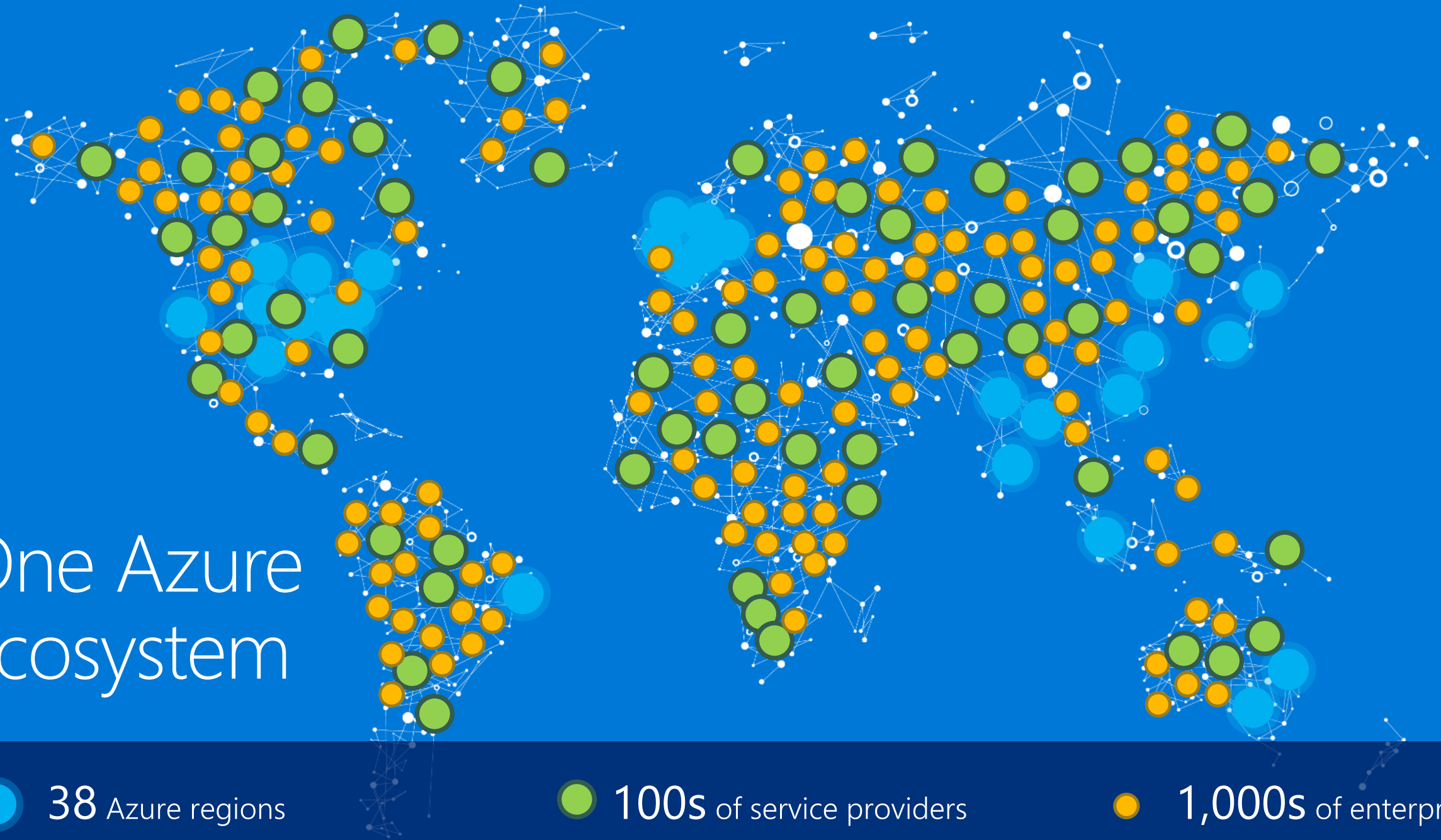
...Into Azure Stack

One Azure ecosystem

 38 Azure regions

 100s of service providers

 1,000s of enterprises



Azure Stack Integrated System



Software



Hardware

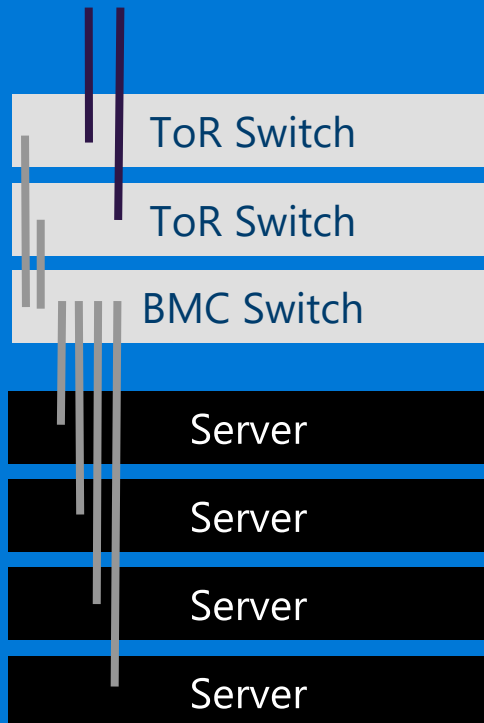


Support

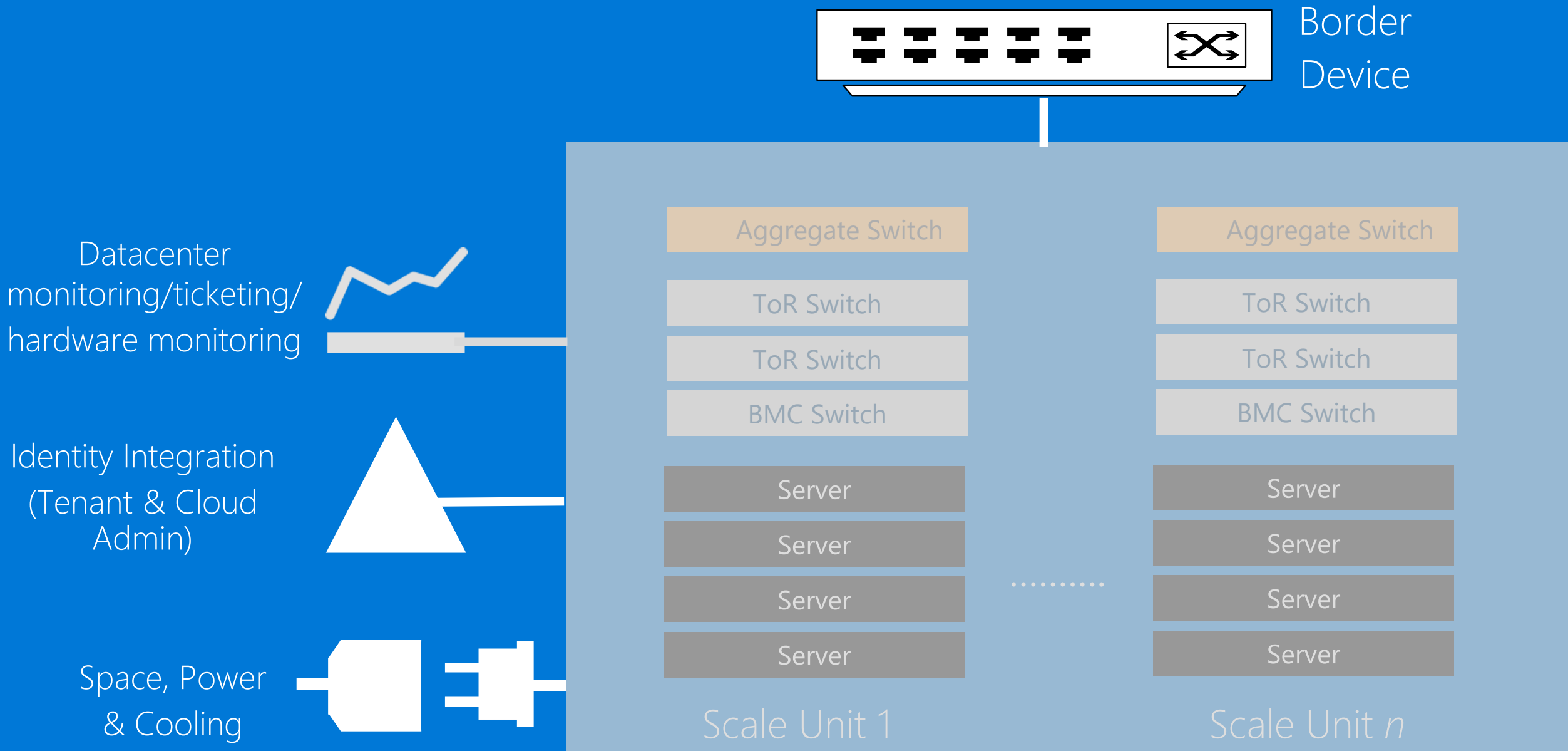


Services

Azure Stack
Integrated System



Integration in your datacenter



Azure Stack Integrated Systems Partners

GA

DELL EMC



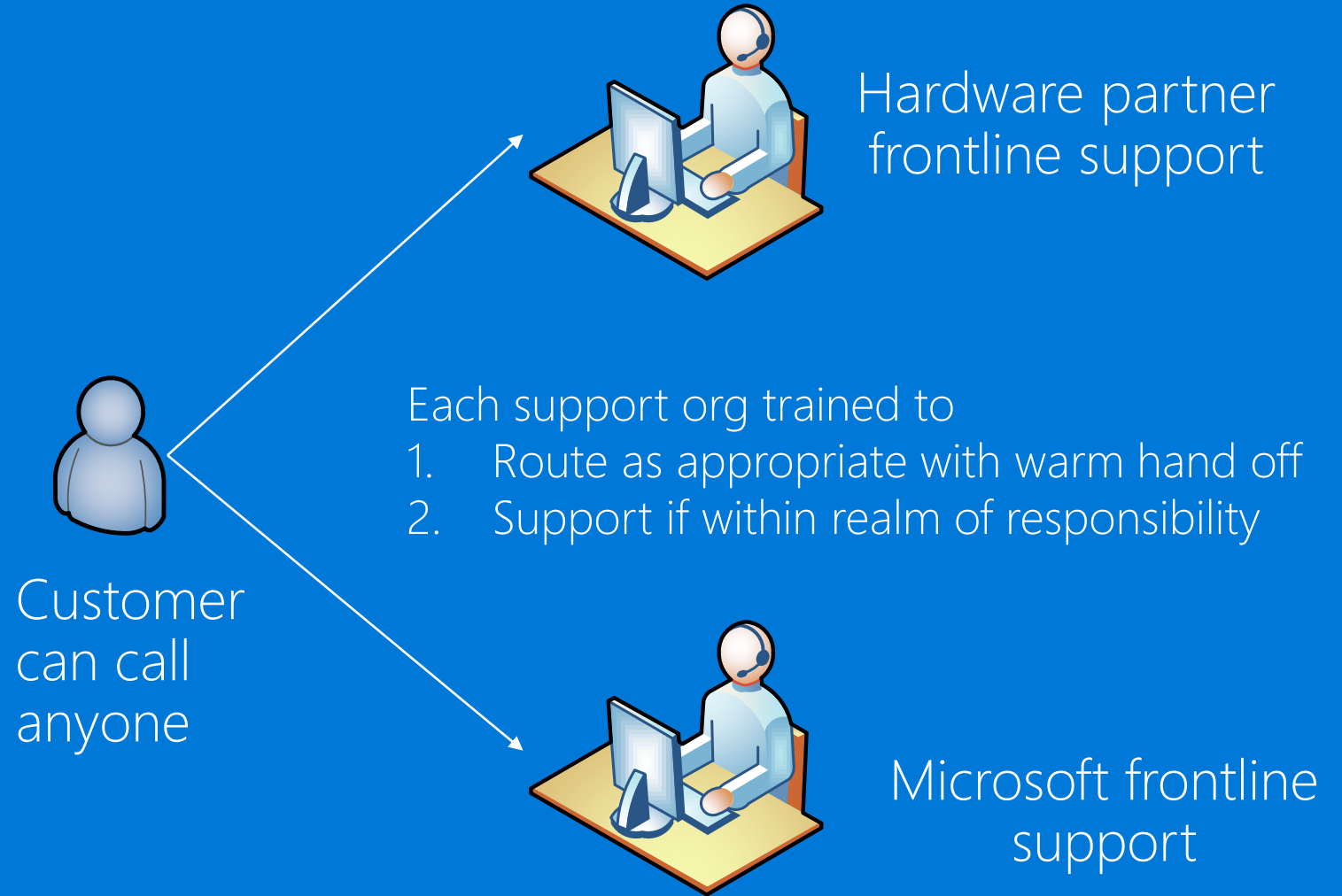
Lenovo™

Post GA (Q3 CY'17)

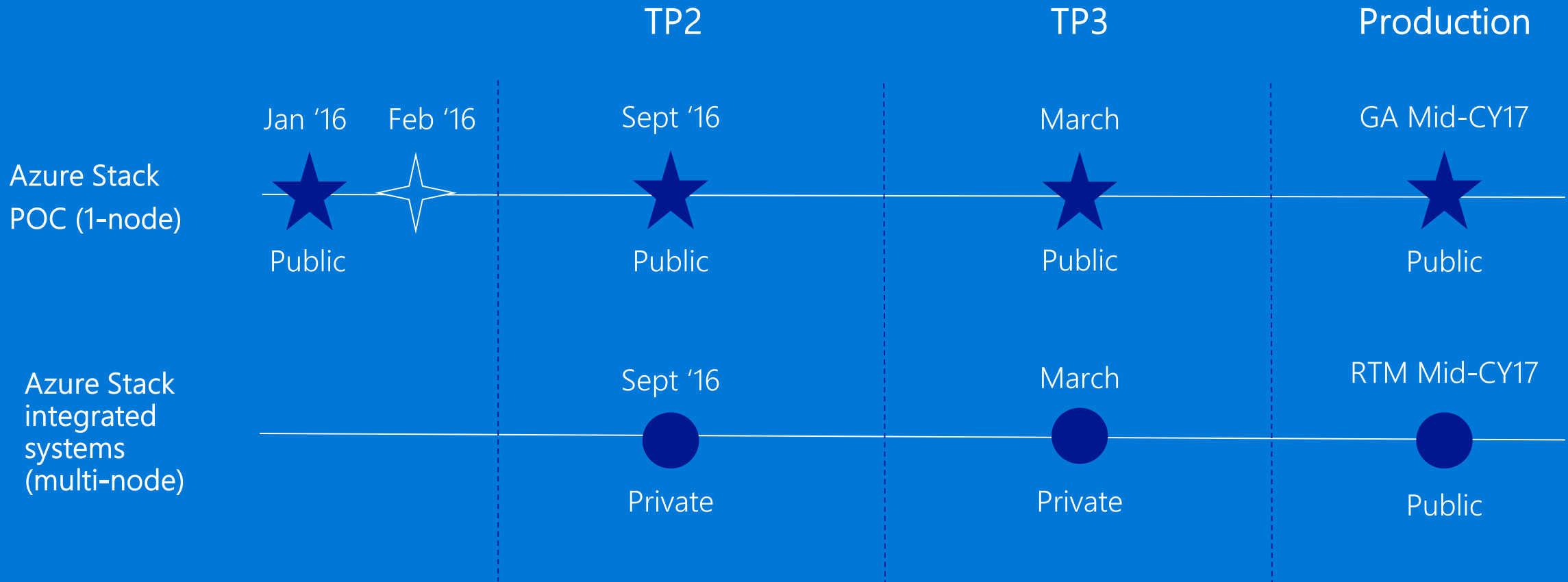


Support

- Simplified Customer Experience
- Inline with business model
- Seamless support



Timelines



Legend



Each Technical Preview (TP) will include "foundational" Azure services such as Compute, Networking, Storage. In between TPs, we will release incremental updates with new customer scenarios.



Following each TP, we will release updates for "additional" Azure services, such as Web Apps.

Q&A



If you have questions please proceed to the
Q&A MICROPHONE located in your session room.

