



SPECTECHULAR

UPGRADE YOUR SKILLS



Welcome

Azure Stack

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Technical Instructor, New Horizons

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Knowledge Ninjas

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Knowledge Ninjas, New Horizons Computer Learning Centers Microsoft Office support solution, allows you to get answers to your questions immediately. Knowledge Ninjas is a web-based service that allows software application end users to access a subject matter expert in real-time via a chat interface to resolve questions or problems they encounter in their specific software. Knowledge Ninjas will also assess whether additional computer training or consultative services are needed.

Charity

2017 Hurricane Harvey

Visit SpecTECHular.com to donate today to fuel Team Rubicon's response to hurricane relief. We'll match every dollar up to \$1,500!

Since making landfall, Hurricanes Harvey and Irma have caused damage throughout the Southeast.

The veterans volunteering with Team Rubicon are responding to those in immediate need of assistance. Their response started with search and rescue operations and will be followed by debris removal and volunteer management.

http://bit.ly/Charity_Spec



The Cloud Is a Model – Not a Location

An approach to adopting, delivering, and consuming IT services in an agile and lean manner within a software defined, elastic, economies of scale world.

The cloud model consists of using central tooling across teams and control planes.

The cloud model funnels top best practices from many frameworks into CloudOps. The cloud model keeps the business application at the core.



Azure

Microsoft Azure is a cloud computing service created by Microsoft for building, testing, deploying, and managing applications and services through a global network of Microsoft-managed data centers.



Azure Stack

Azure Stack IS	Azure Stack is NOT
First product in a new category: Hybrid Cloud Platform	A virtualization-replacement play

What is Azure Stack?

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Cloud equivalent of a SAN delivering self-service IaaS, PaaS, and cloud solutions	A DIY infrastructure sandbox

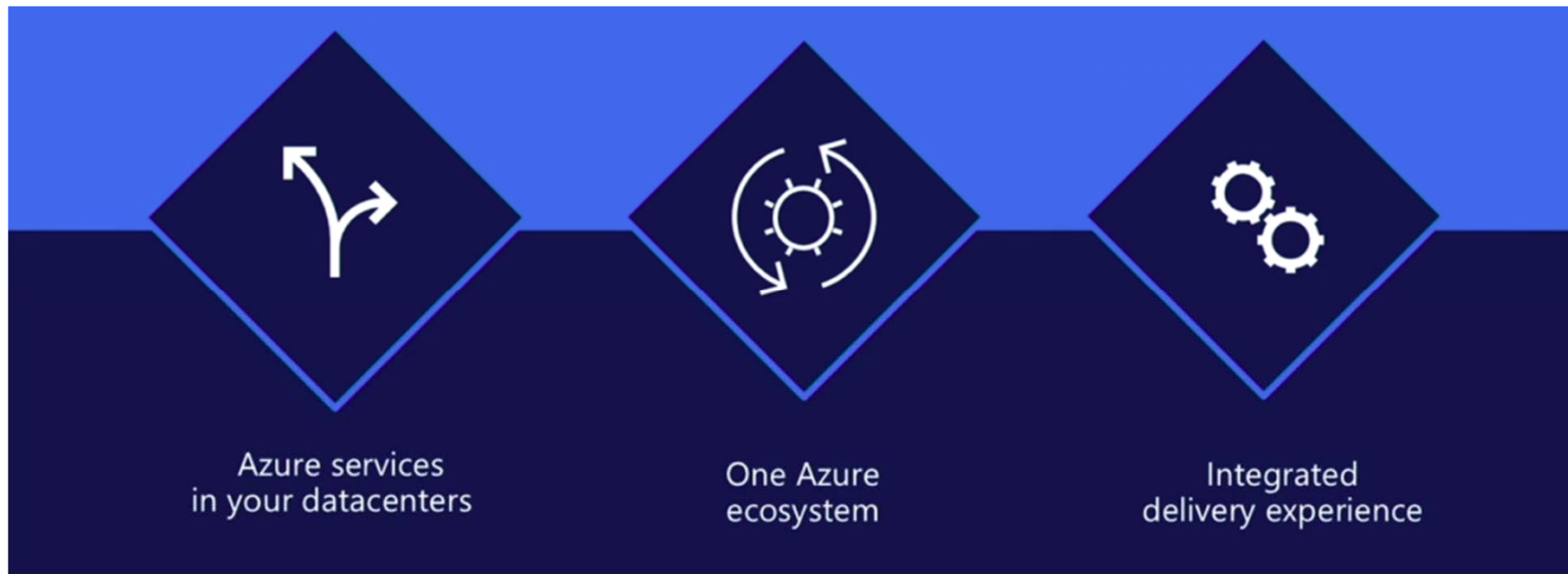
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Azure Stack Promises



Azure Services

- 38 Azure regions
- 100s of service providers
- 1,000 of enterprises



One Azure Ecosystem

Most Azure Marketplace solutions work on Azure Stack



One Azure Ecosystem

Most Azure Marketplace solutions work on Azure Stack

Solutions get maximal addressable market



One Azure Ecosystem

Most Azure Marketplace solutions work on Azure Stack

Solutions get maximal addressable market

Customers get maximal choice of solutions



One Azure Ecosystem

Most Azure Marketplace solutions work on Azure Stack

Solutions get maximal addressable market

Customers get maximal choice of solutions

Employers and employees benefit



Integrated Delivery Experience

Focus on app development and value-added services (vs. infrastructure)



Hybrid use cases: Azure and Azure Stack



Edge and disconnected applications



Cloud applications that meet every regulation



Modernize applications across cloud and on-premises

Edge and disconnected applications

Deploy Azure Stack for:

- *Real-time latency requirements*
- *Connectivity issues*
- *Local data processing*

Use Azure for aggregate analytics and big data modelling

Common application logic across both, connected, or disconnected



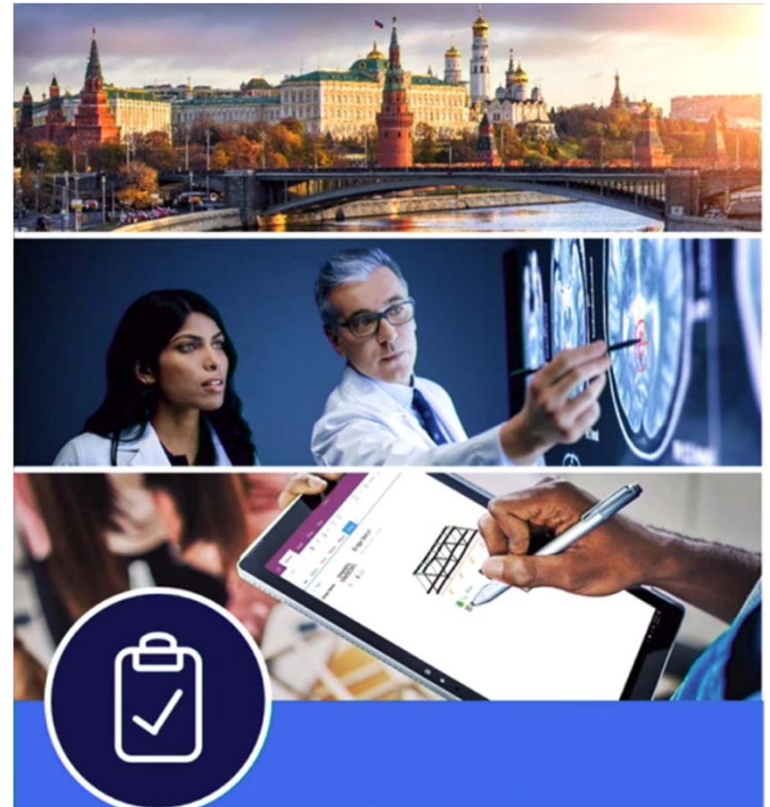
Cloud applications that meet every regulation

Develop and deploy global application in Azure

Optionally deploy to Azure Stack to handle customer preferences for regulations:

- *Government*
- *Industry*
- *Region*

No changes to application



Modern applications across cloud & on-premises

Apply modern architectures to on-premises apps not yet ready for cloud:

- *PaaS*
- *Serverless computing*
- *Microservices and containers*

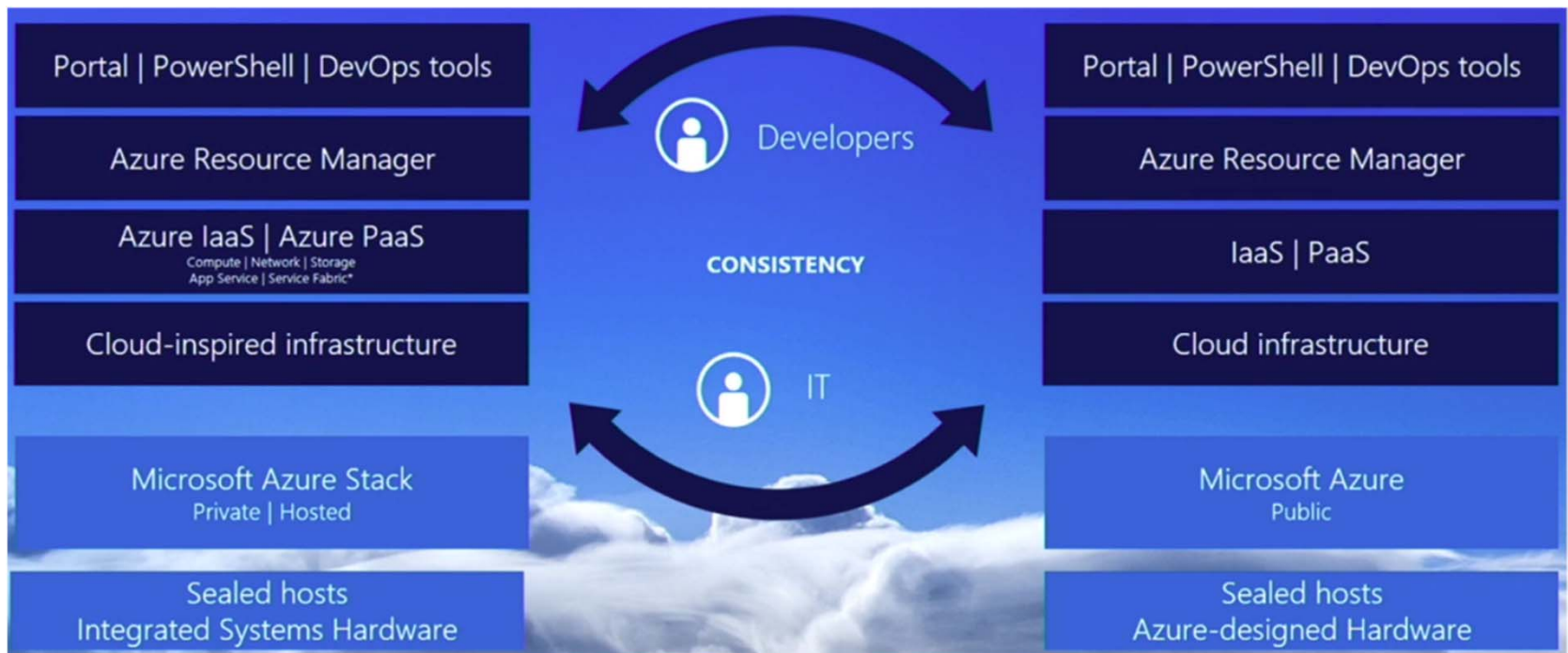
Move to Azure without code changes

Consistent programming model, skills, and processes








Azure and Azure Stack

*Truly
consistent
hybrid cloud
platform*







Azure PaaS

Platforms for high productivity development

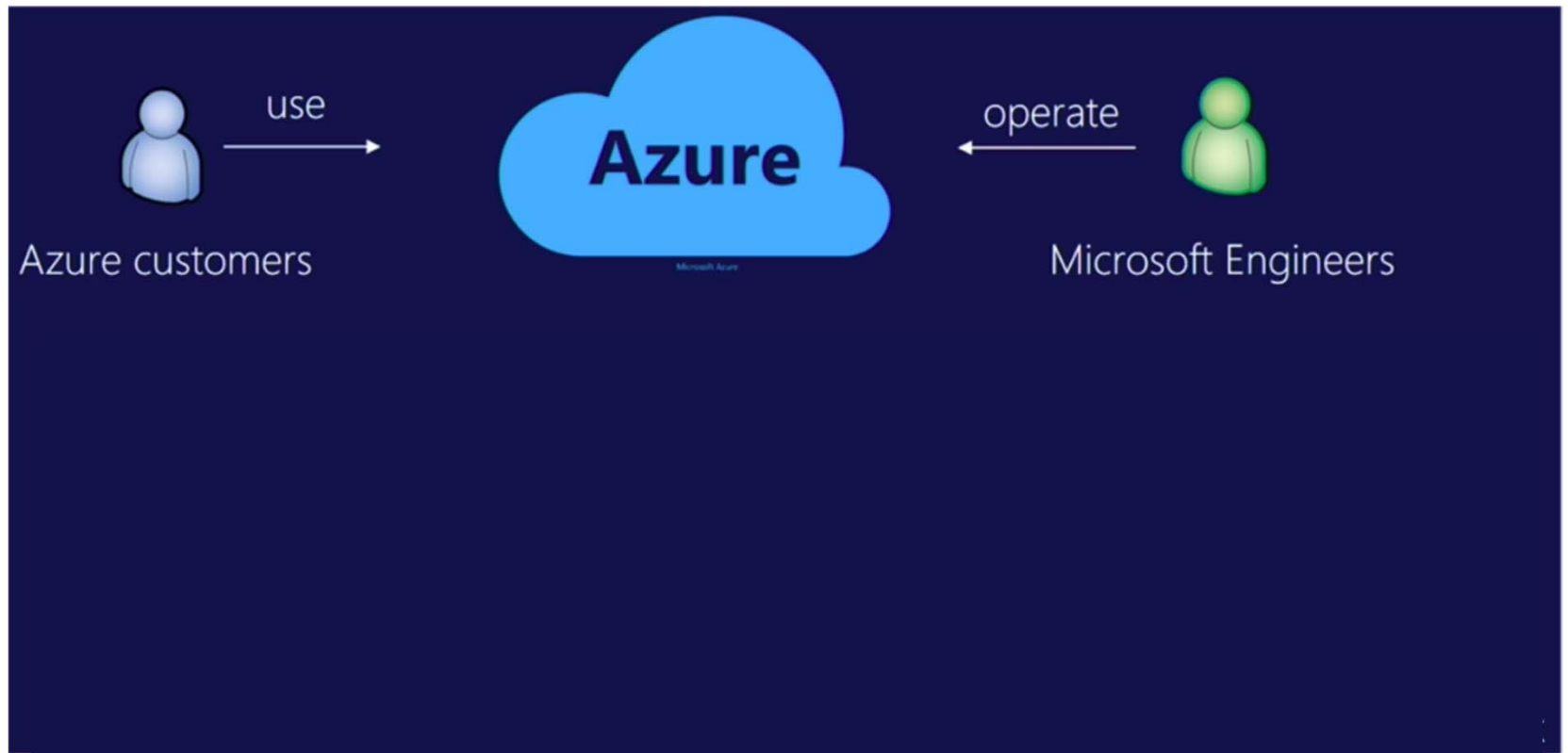
				
Azure App Service	Azure Functions	Azure Service Fabric	Azure Container Service	Cloud Foundry
Web, Mobile, and API apps	Serverless Computing	Always-on, scalable distributed applications	Robust container management	Open source platform

Azure IaaS

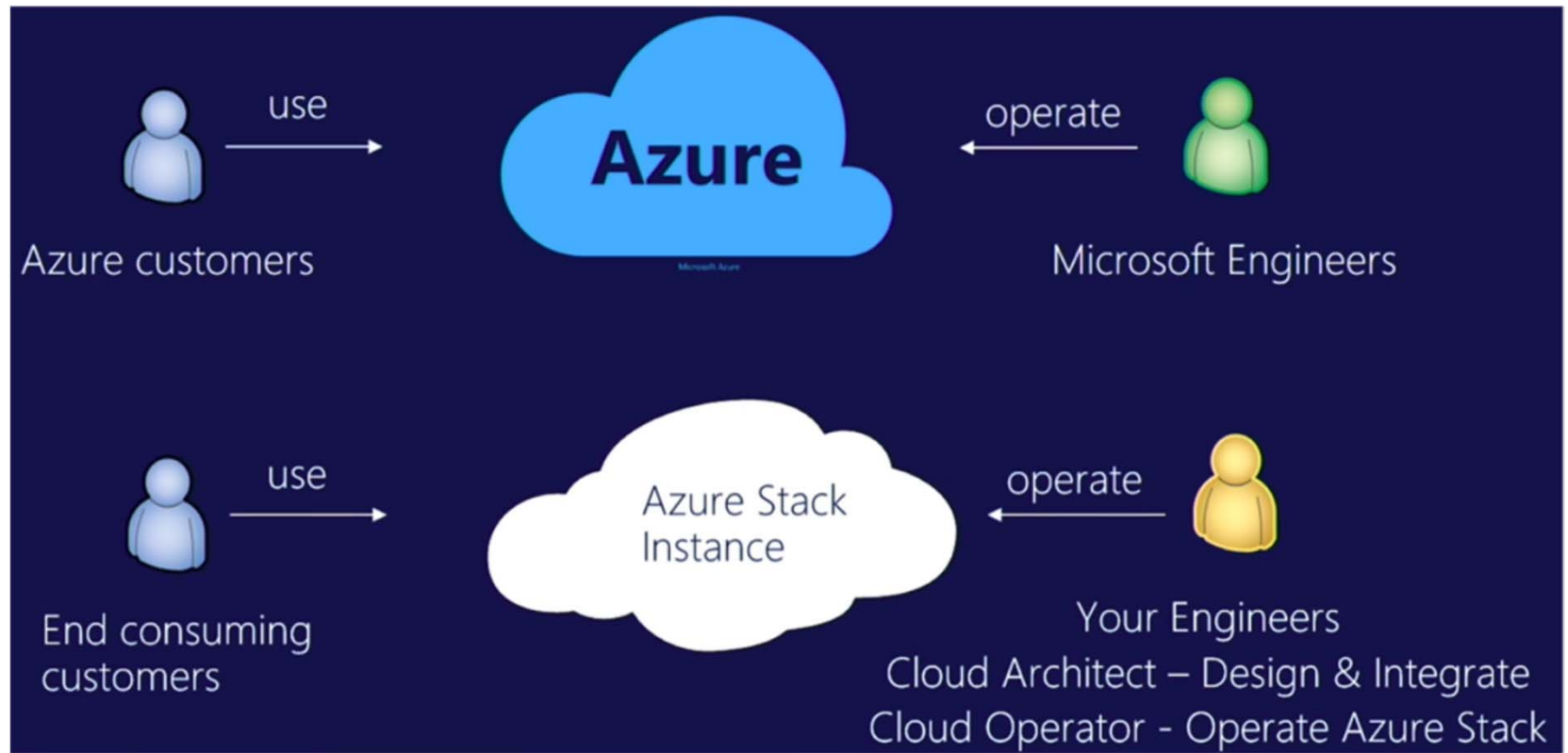
*Beyond
traditional
virtualization*

 Virtual Machines (VM) VM Scale Sets	 Containers with Docker	 Networking	 Storage
Rapid deployment with automated scaling	Linux and Windows Server containers	Virtual network, load balancer, VPN gateway	Blobs, tables, queues

Cloud operating model



Cloud operating model



DELLEMC



**Hewlett Packard
Enterprise**



LenovoTM



Azure Stack Integrated System



Software



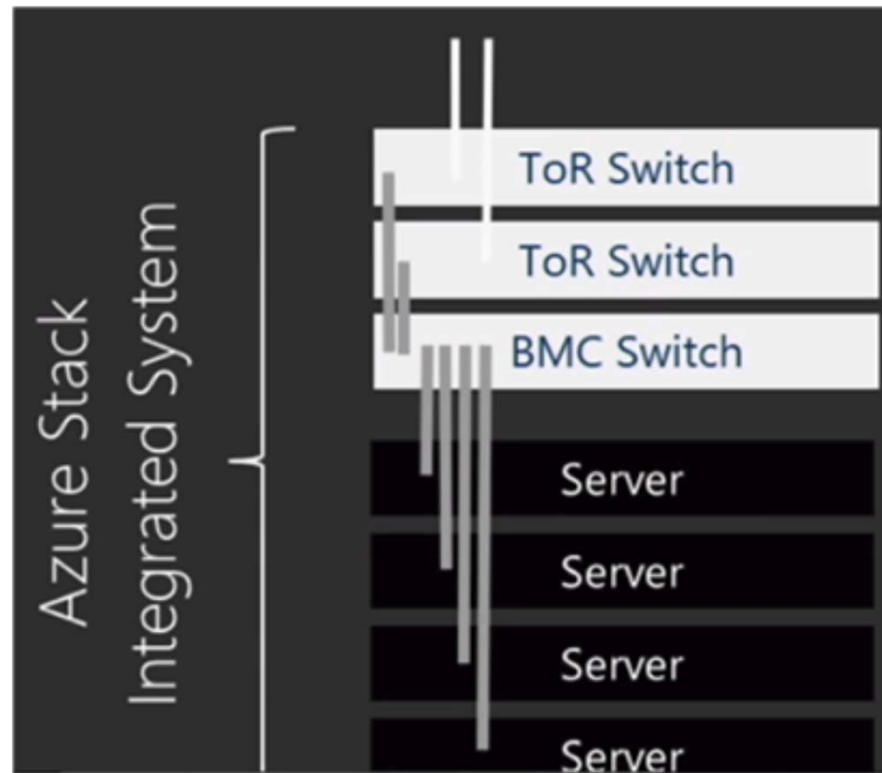
Hardware



Support



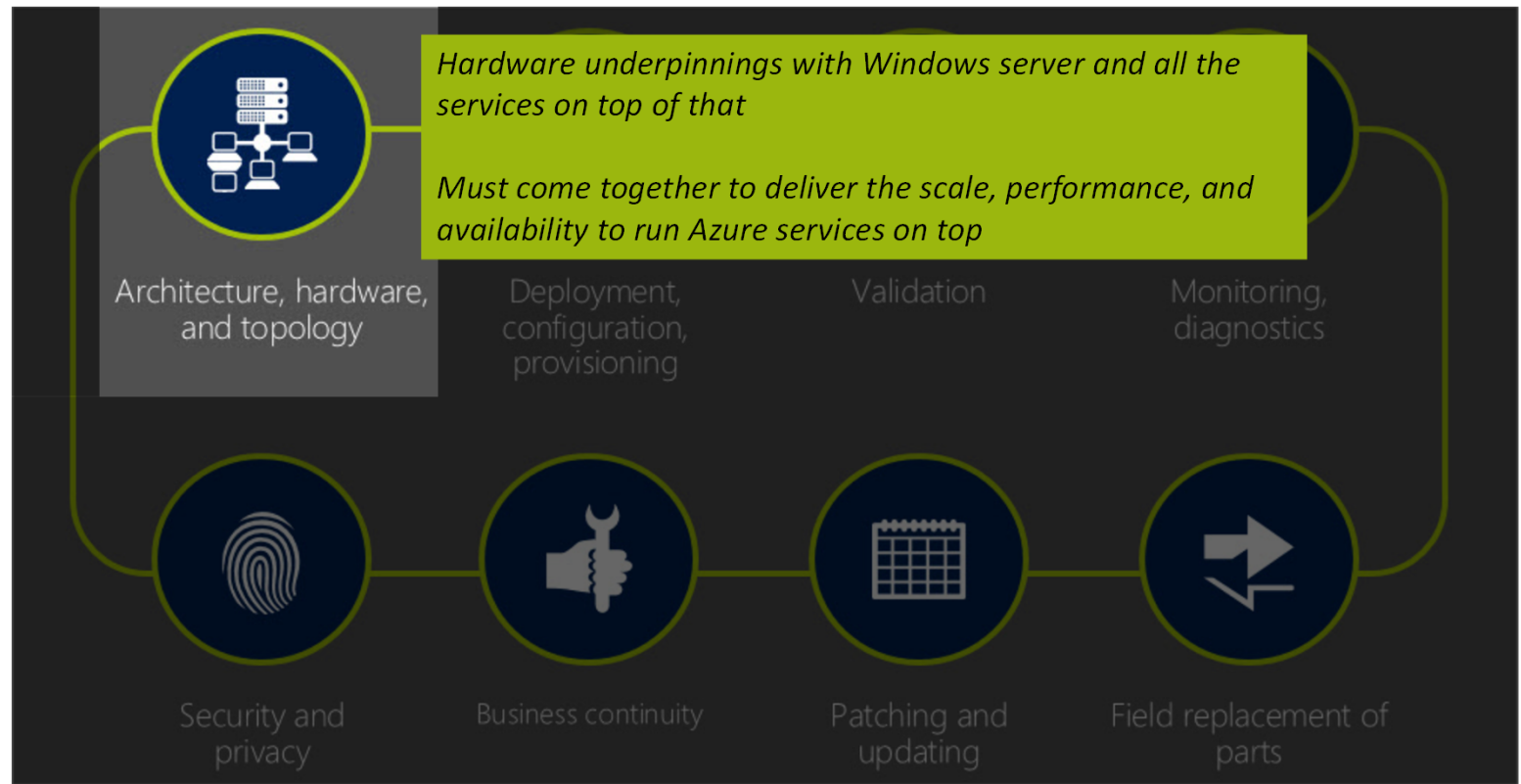
Services



Azure Stack Integrated System (Life Cycle)



Azure Stack Integrated System (Life Cycle)



Azure Stack Integrated System (Life Cycle)



Azure Stack Integrated System (Life Cycle)

Work with hardware partners to ensure that the right features and functions are obtained out of the hardware components

From HBAs, NICs, storage devices, server, storage switches, through the whole stack

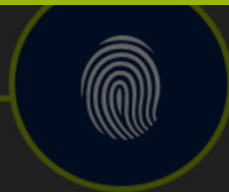
Ensure the integrated system's components have come together, individually been tested but been tested as a whole as an overall solution



Validation



Monitoring,
diagnostics



Security and
privacy



Business continuity

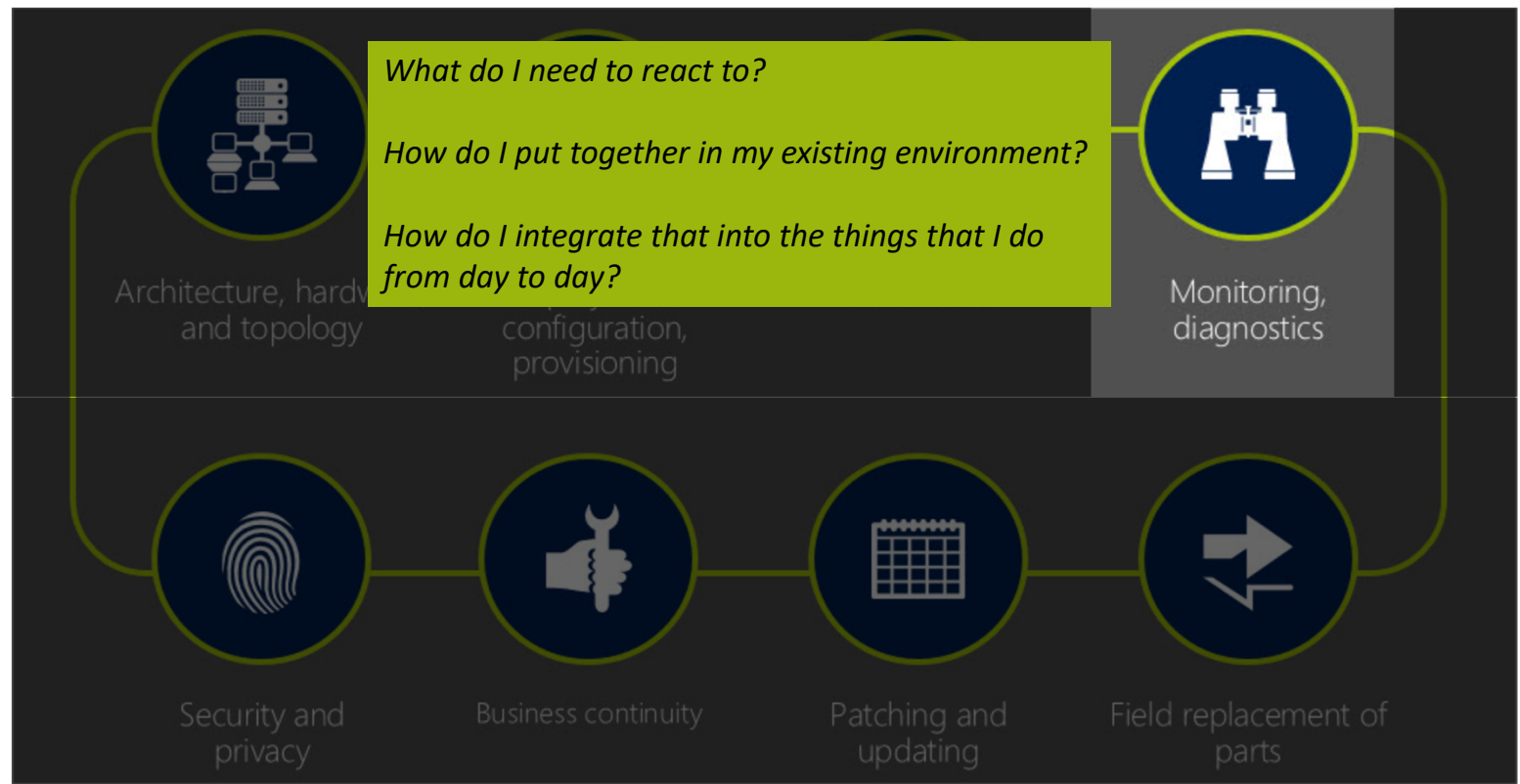


Patching and
updating



Field replacement of
parts

Azure Stack Integrated System (Life Cycle)



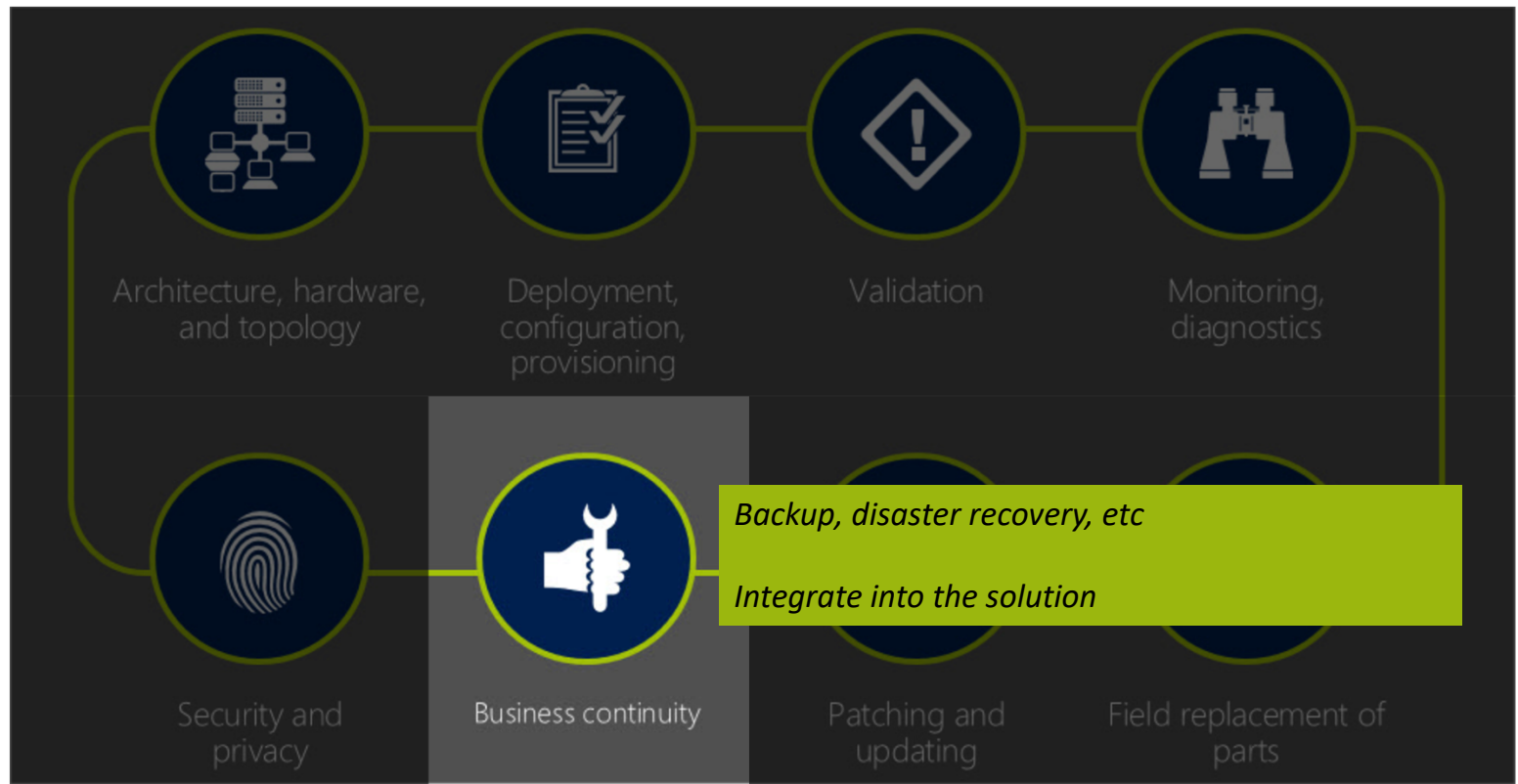
Azure Stack Integrated System (Life Cycle)



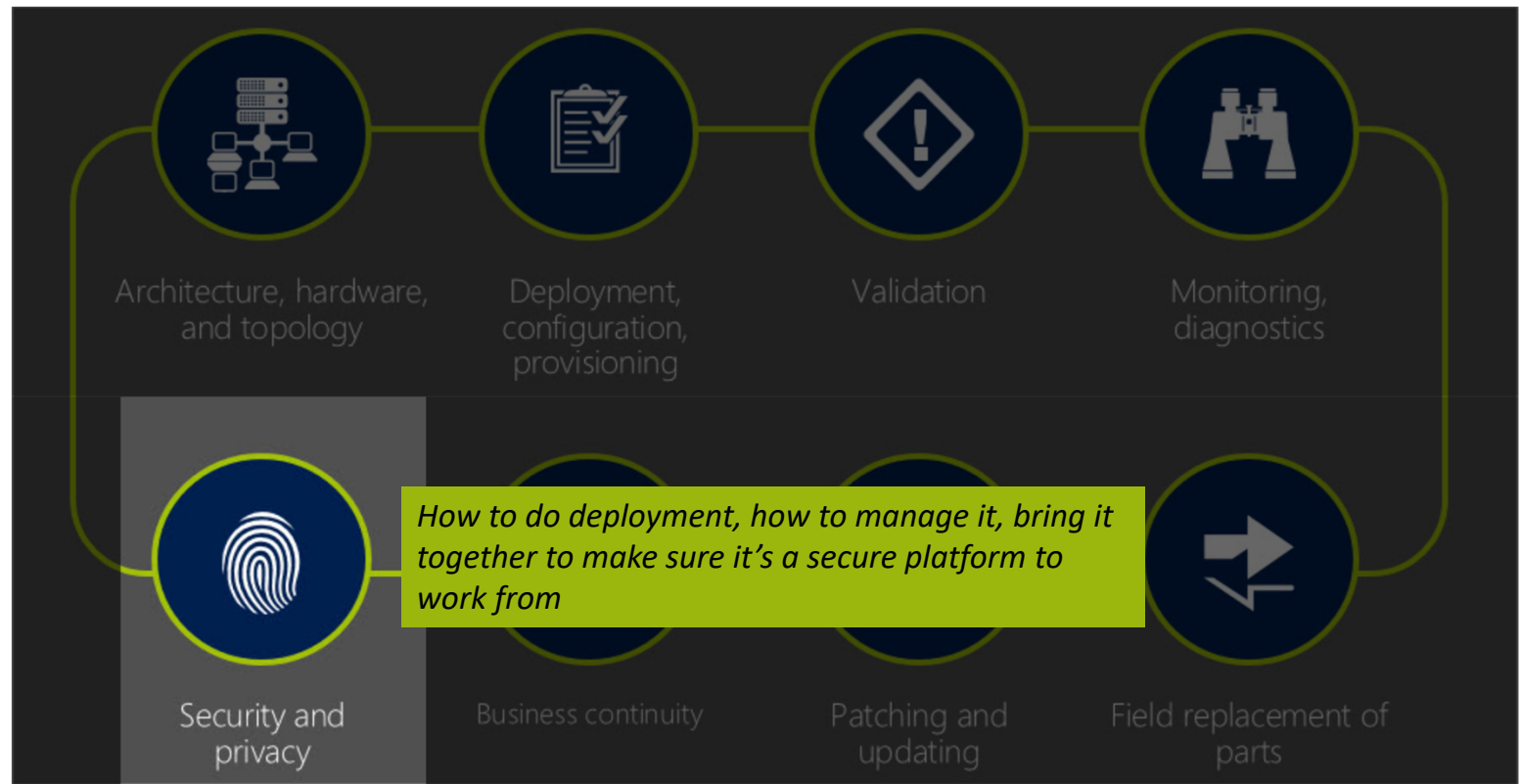
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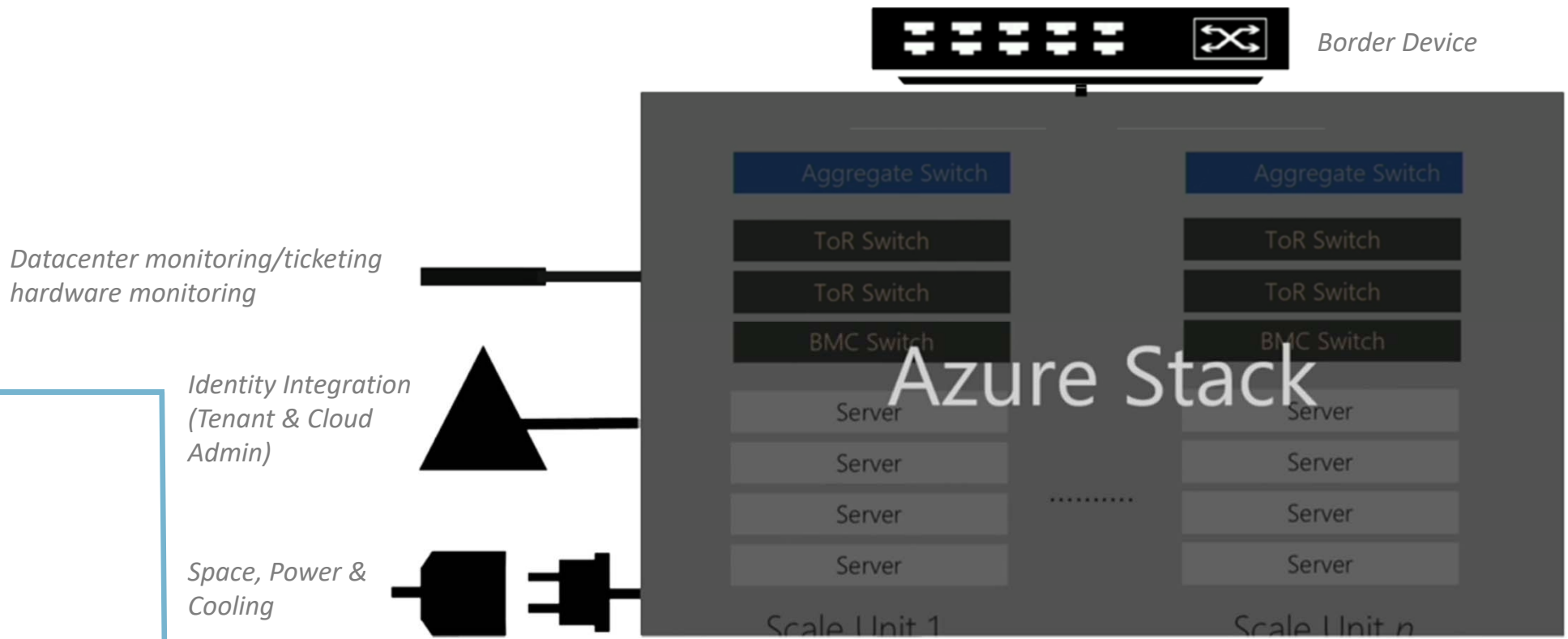
Azure Stack Integrated System (Life Cycle)



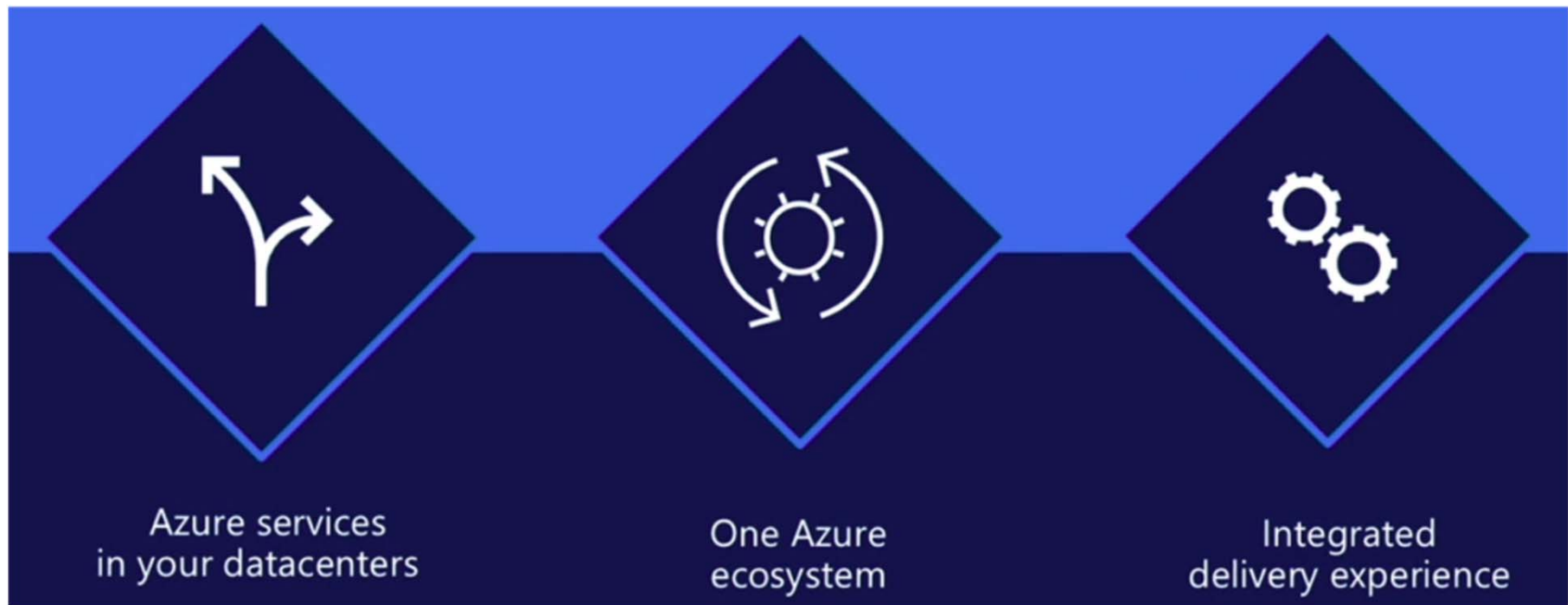
Azure Stack Integrated System (Life Cycle)



Integration in your datacenter



3 Azure Stack promises



Summary

At the edge and disconnected

Meet every regulatory requirement

Cloud application model on-premises

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