



# Azure Intelligent Edge Brief

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# Agenda

- Azure Intelligent Edge Overview and News
- Today's Focus Area: **Azure Stack: BCDR Options and Guidance**
- Q&A

# But First - What is the AIEB?

30-minute briefing open to everyone to discuss a specific area within our 'Intelligent Edge' offerings

Not a forum to share NDA information

Using 'regular' Teams for now for easier collaboration (Q&A, discussion, etc.)

Calls will be recorded and posted here: <https://aka.ms/aieb-channel>

# Some quick news...

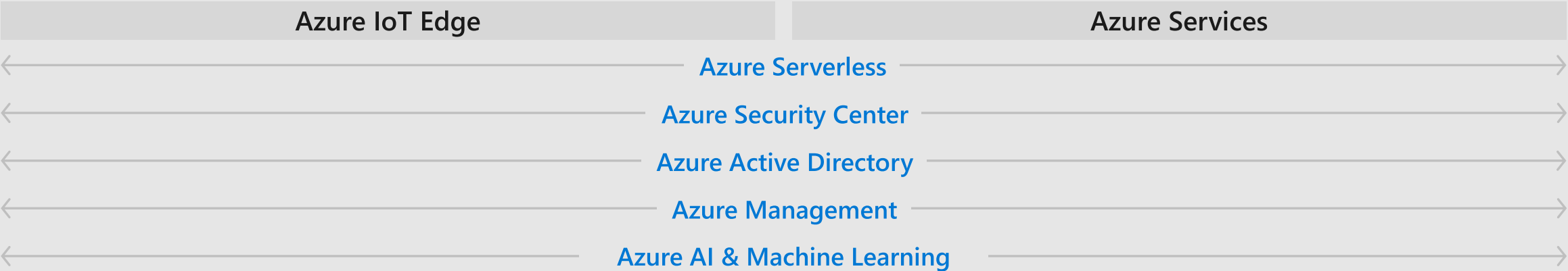
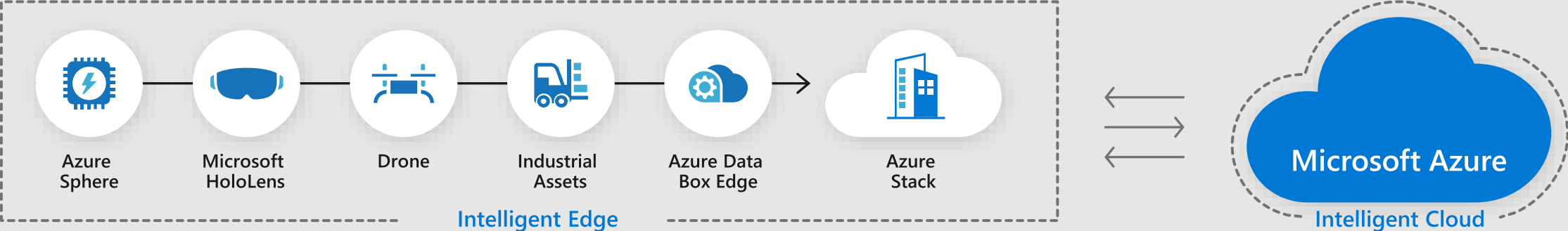
- Azure Data Box Edge in your pocket? Yep!
- <http://aka.ms/dbe-backpack>



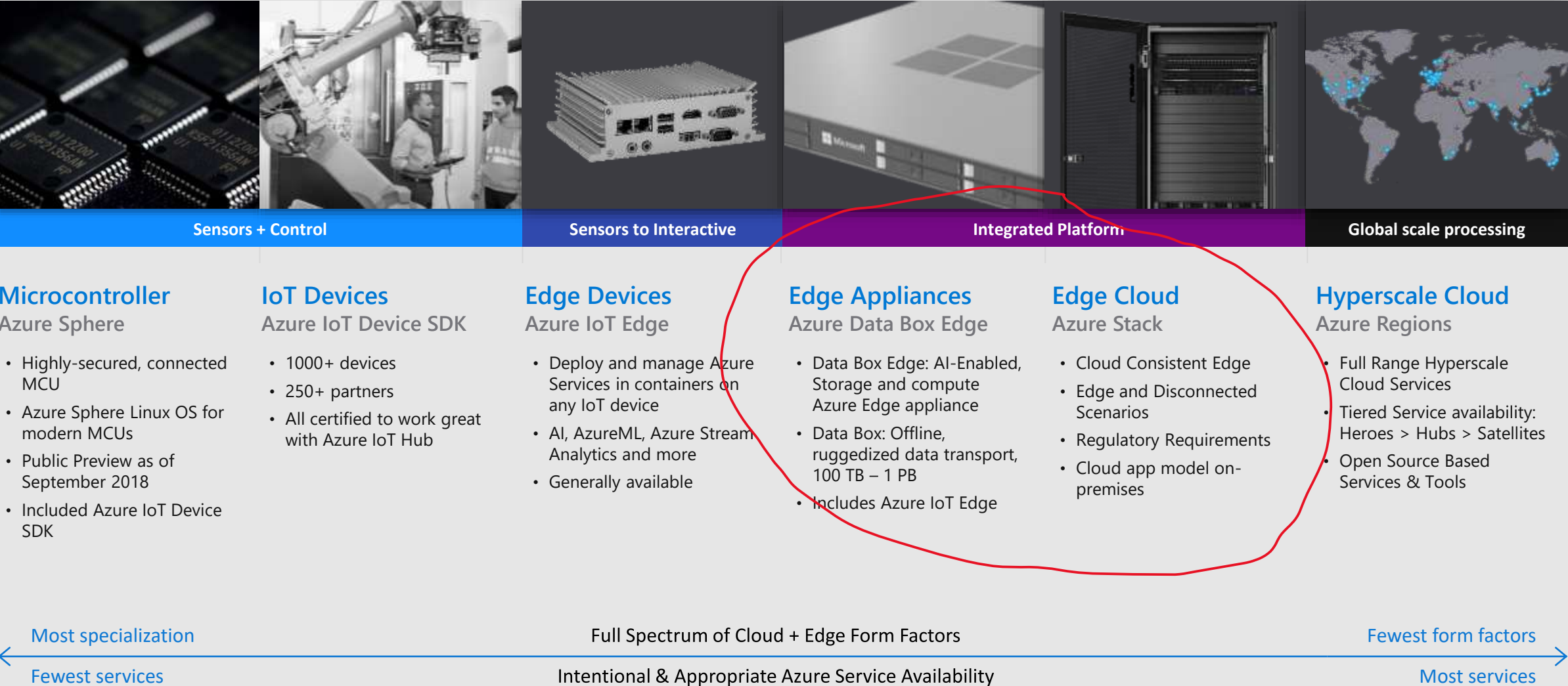
- Schlumberger using Azure Stack to deliver services to countries with strict data sovereignty rules and/or physics issues going to an Azure public region: <https://www.slb.com/newsroom/press-release/2019/pr-2019-0916-slb-sis-microsoft>

Schlumberger has deployed its DrillPlan\* coherent well construction planning solution on Azure Stack infrastructure to complement its initial Azure deployment. Schlumberger and Microsoft will now be able to deliver in-country solutions for locations subject to data residency regulations or remote operational challenges, unlocking new business opportunities in the global market.

# Microsoft Azure approach



# Azure Intelligent Edge + Cloud Taxonomy



# Azure Stack: BCDR Options and Guidance

Karl Rautenstrauch



# Azure Stack Data Disaster Recovery Pattern

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# Azure Stack Integrated System



Software



Hardware

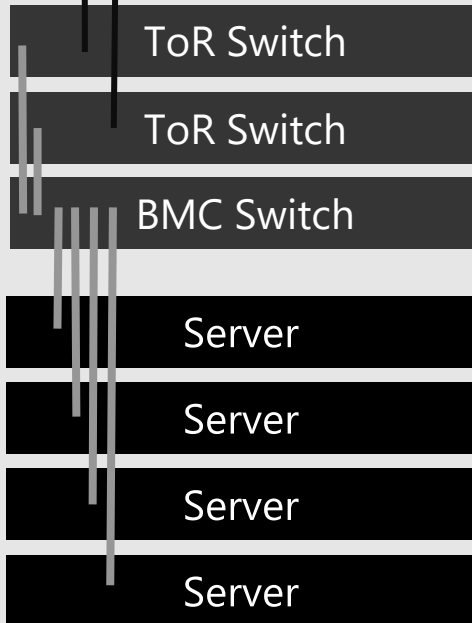


Support



Services

Azure Stack  
Integrated System



# Fault tolerance within an Azure Stack

Administrator and user connectivity:

Top of rack switches (2):

- 4 uplinks to pair of border devices

- Failure impact: None; one switch can handle all traffic

Scale-unit nodes

- 4-16 nodes configured in highly available topology

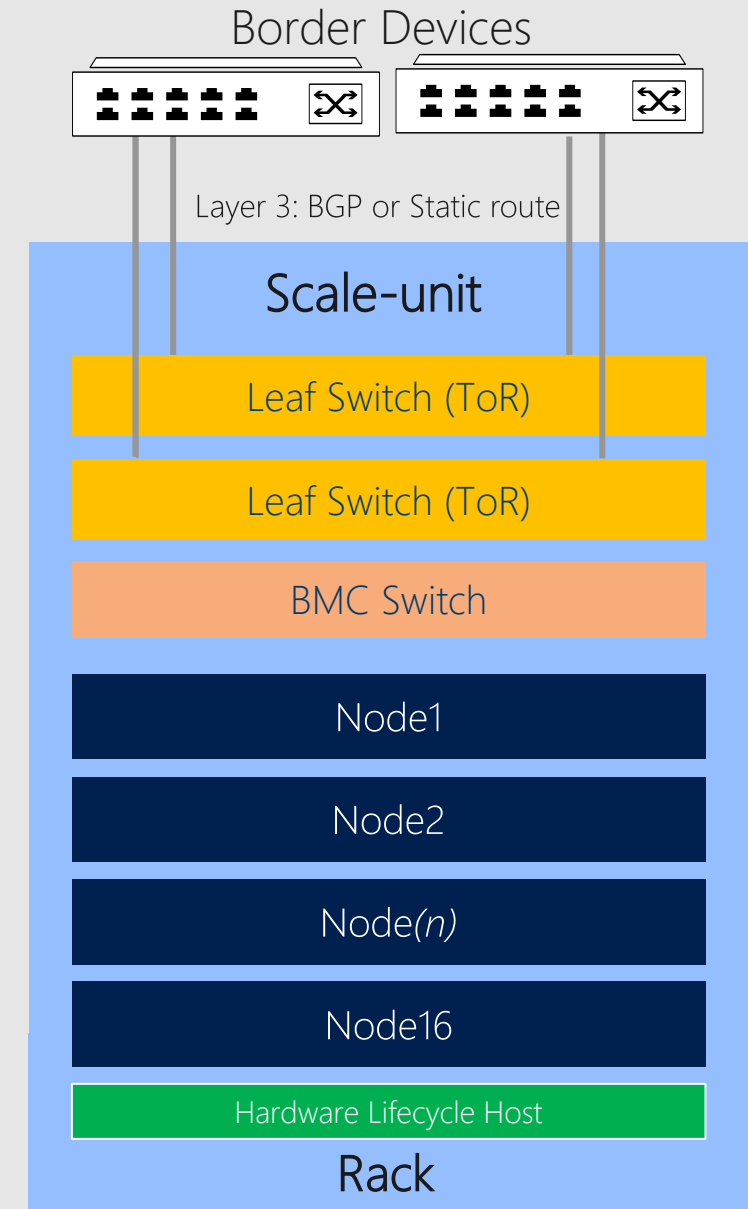
Hardware management:

BMC switch (1):

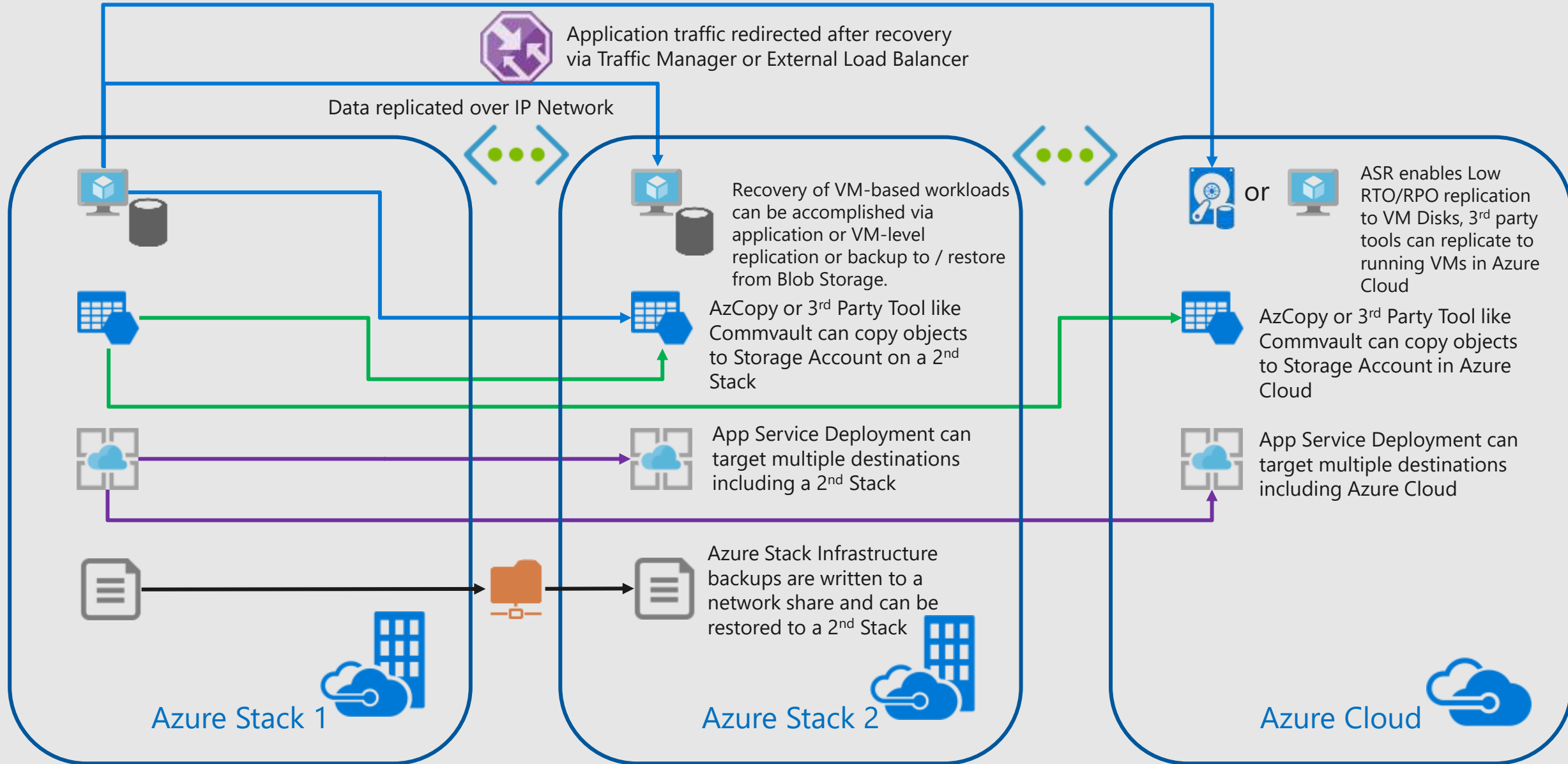
- Impact: HW monitoring, some admin operations

Hardware Lifecycle host (1):

- Impact: HW monitoring, some admin operations



# What needs to be protected?



# Azure Stack Marketplace

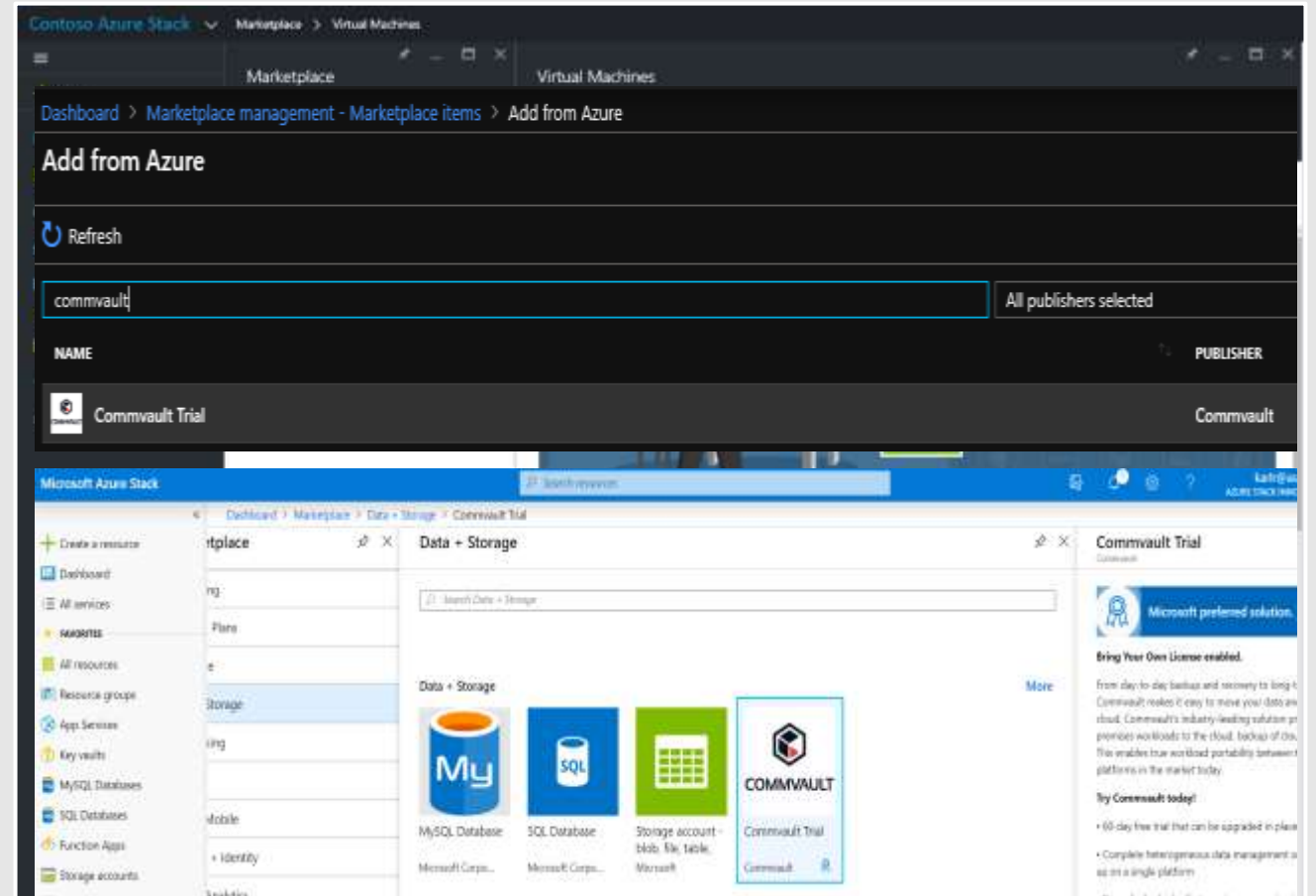


The Azure Marketplace is an online store that contains certified, open source, and community software applications, developer services, and data which are pre-configured to run in Microsoft Azure.

Marketplace items must be specially tagged to be supported in Azure Stack.

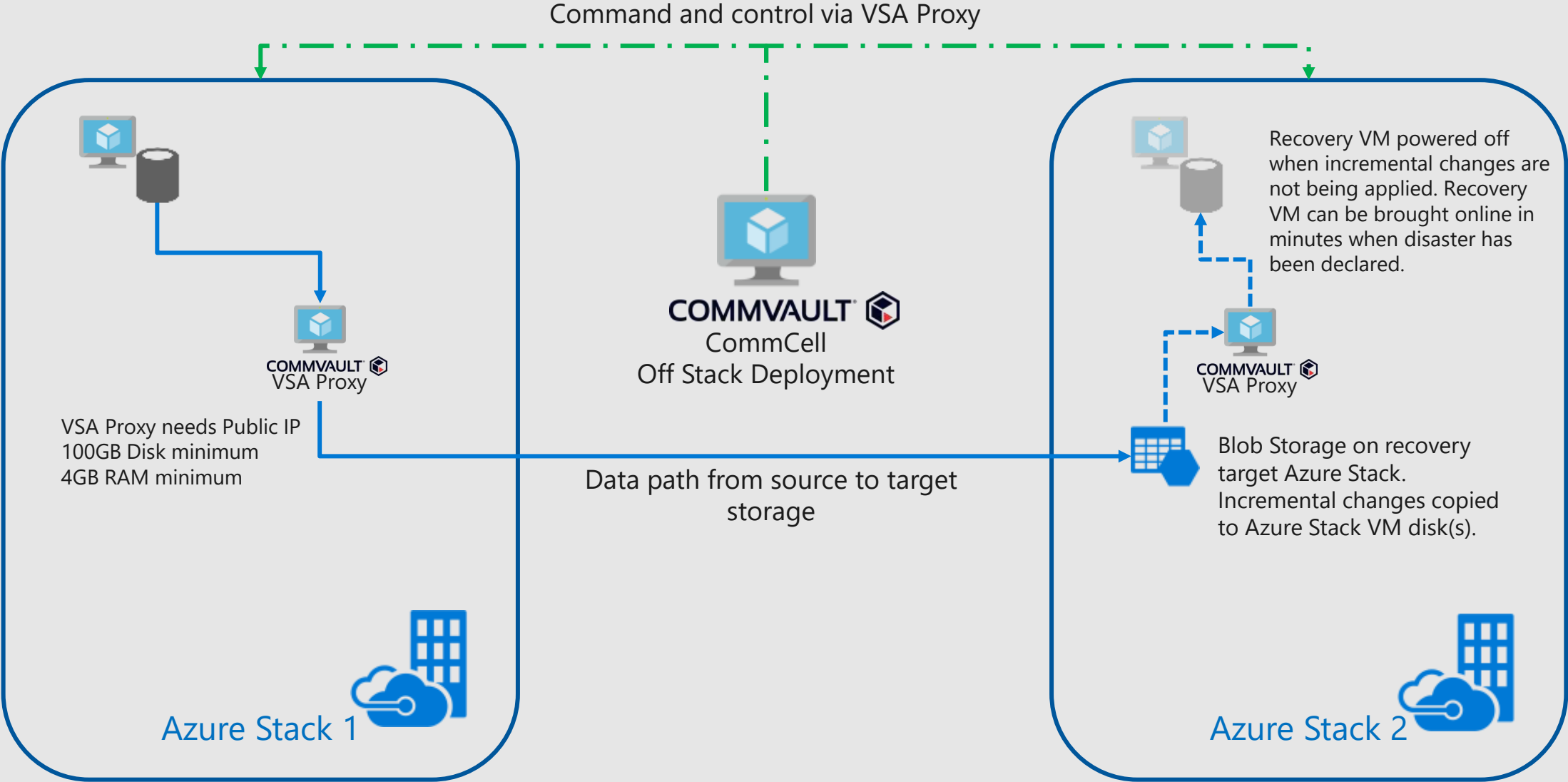
Operators select and publish images.

Users deploy based on images available to them.



<https://docs.microsoft.com/en-us/azure-stack/operator/azure-stack-marketplace-azure-items>

# Commvault Live Sync



# Demo: Protect and Failover

Commvault LiveSync



# Additional Information

The amazing IaaS Blog Series – [Part 4](#)

Business Continuity [Whitepaper](#)

Commvault LiveSync [documentation](#)

List of validated Backup and Disaster Recovery [Solutions](#)

**Next AIEB Call will be 10/25 @ 11AM US  
Central Standard Time  
(Potential Topic = Fleet Management of  
Azure Stacks)**

**<https://aka.ms/aieb-topics>**