Ignite 2018 Recap
Azure Management + IaaS News

Eric Berg

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Azure, Datacenter and Modern Workplace

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Azure Meetup THÜRINGEN

Agenda

- „What happens in Orlando stays in Orlando“ – Behind the Scenes…
- Azure Management News
- Azure Compute News
- Azure Storage News
- Azure Networking News
- More…
- Q&A

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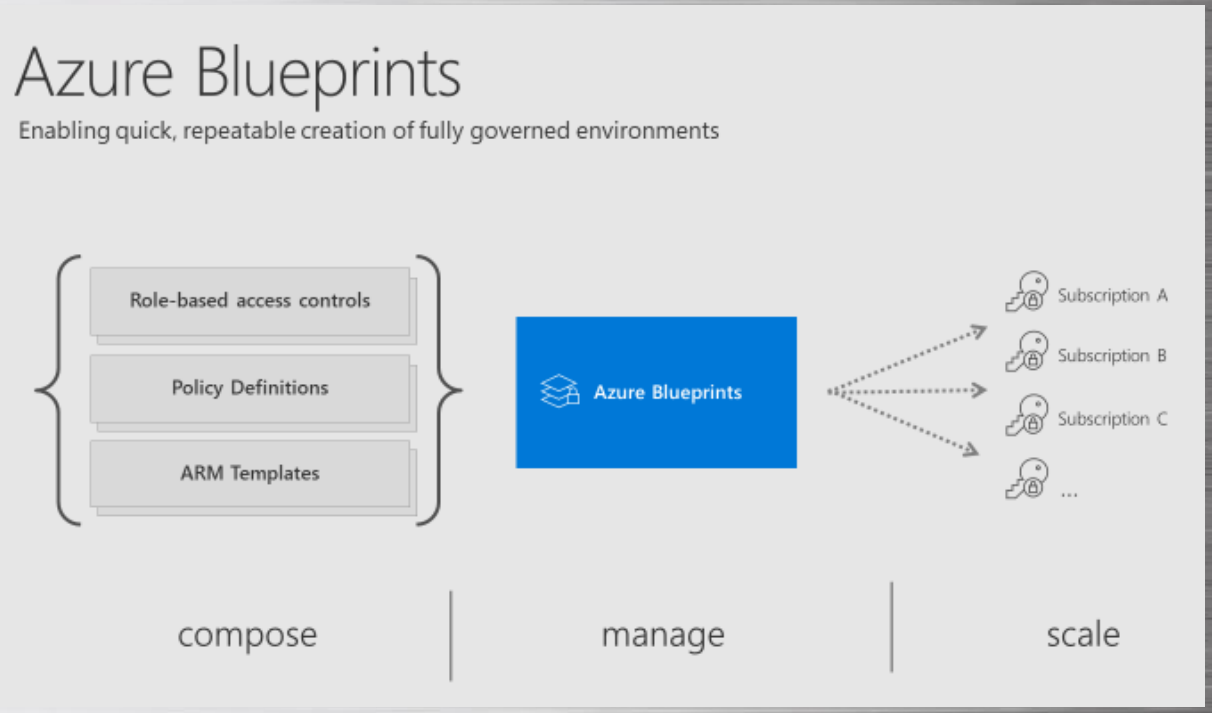
Azure Management News

- Azure Blueprints (Preview) → DEMO
- Azure Resource Graph (Preview) → DEMO
- Azure Policy for DevOps
- Azure Cost Management in Portal (Preview)
- Azure Monitor (GA)
- Hyper-V Assessment in Azure Migrate
- Azure VM Image Builder (Preview)



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```
eric_berg@Azure:~$ az graph query -q "project name, location" --output table
Location    Name
----------  ------------------------------------------------------------------------
westeurope  [redacted]OMSworkspace
westeurope  AutoStop_Disable
westeurope  aks-nodepool1-26355042-nic-0
westeurope  SequencedStartStop_Parent
westeurope  computeAksLinuxBilling
westeurope  aks-nodepool1-26355042-0_OsDisk_1_74bf35d1911042ba944bbcf2fb82535c
westeurope  enablevmaccess
westeurope  [redacted]sql74
westeurope  [redacted]storageacc
```

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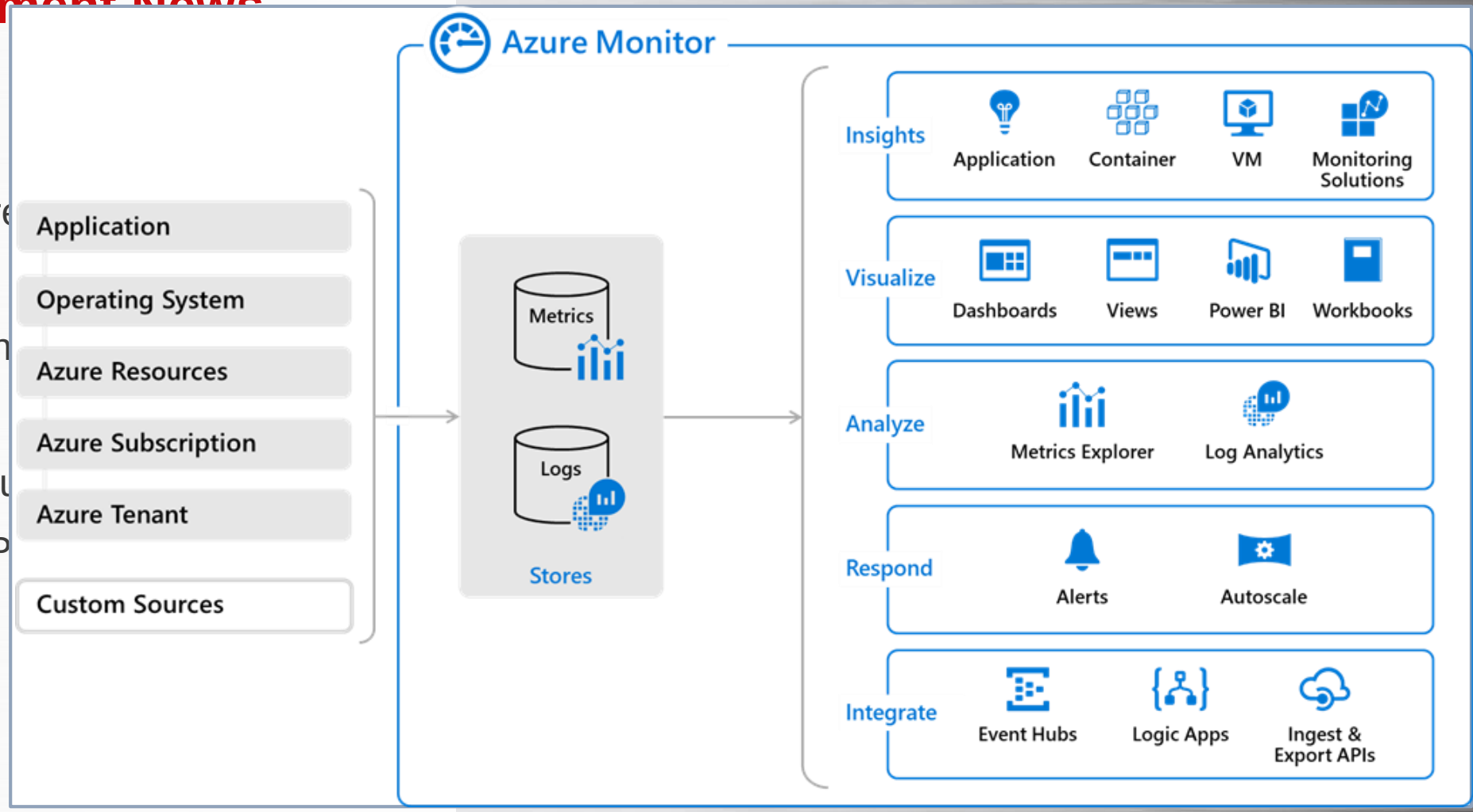

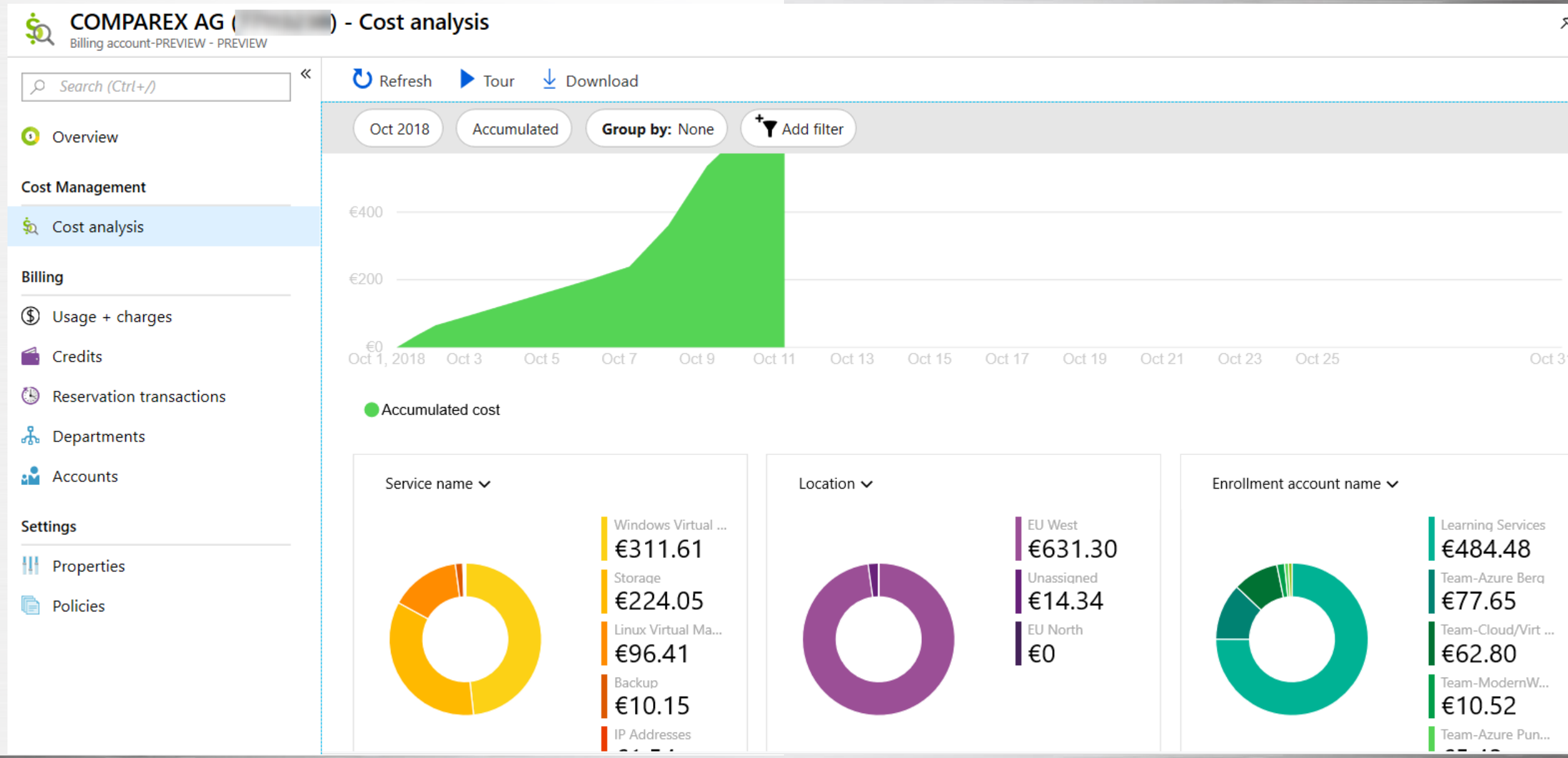
COMPAREX AG ( ) - Cost analysis
Billing account-PREVIEW - PREVIEW
Search (Ctrl+/)
Overview
Cost Management
Cost analysis
Billing
Usage + charges
Credits
Reservation transactions
Departments
Accounts
Settings
Properties
Policies
Refresh
Tour
Download
Oct 2018
Accumulated
Group by: None
Add filter
€400
€200
€0
Oct 1, 2018
Oct 3
Oct 5
Oct 7
Oct 9
Oct 11
Oct 13
Oct 15
Oct 17
Oct 19
Oct 21
Oct 23
Oct 25
Oct 31
Accumulated cost
Service name
Windows Virtual ...
€311.61
Storage
€224.05
Linux Virtual Ma...
€96.41
Backup
€10.15
IP Addresses
Location
EU West
€631.30
Unassigned
€14.34
EU North
€0
Enrollment account name
Learning Services
€484.48
Team-Azure Berg
€77.65
Team-Cloud/Virt ...
€62.80
Team-ModernW...
€10.52
Team-Azure Pun...

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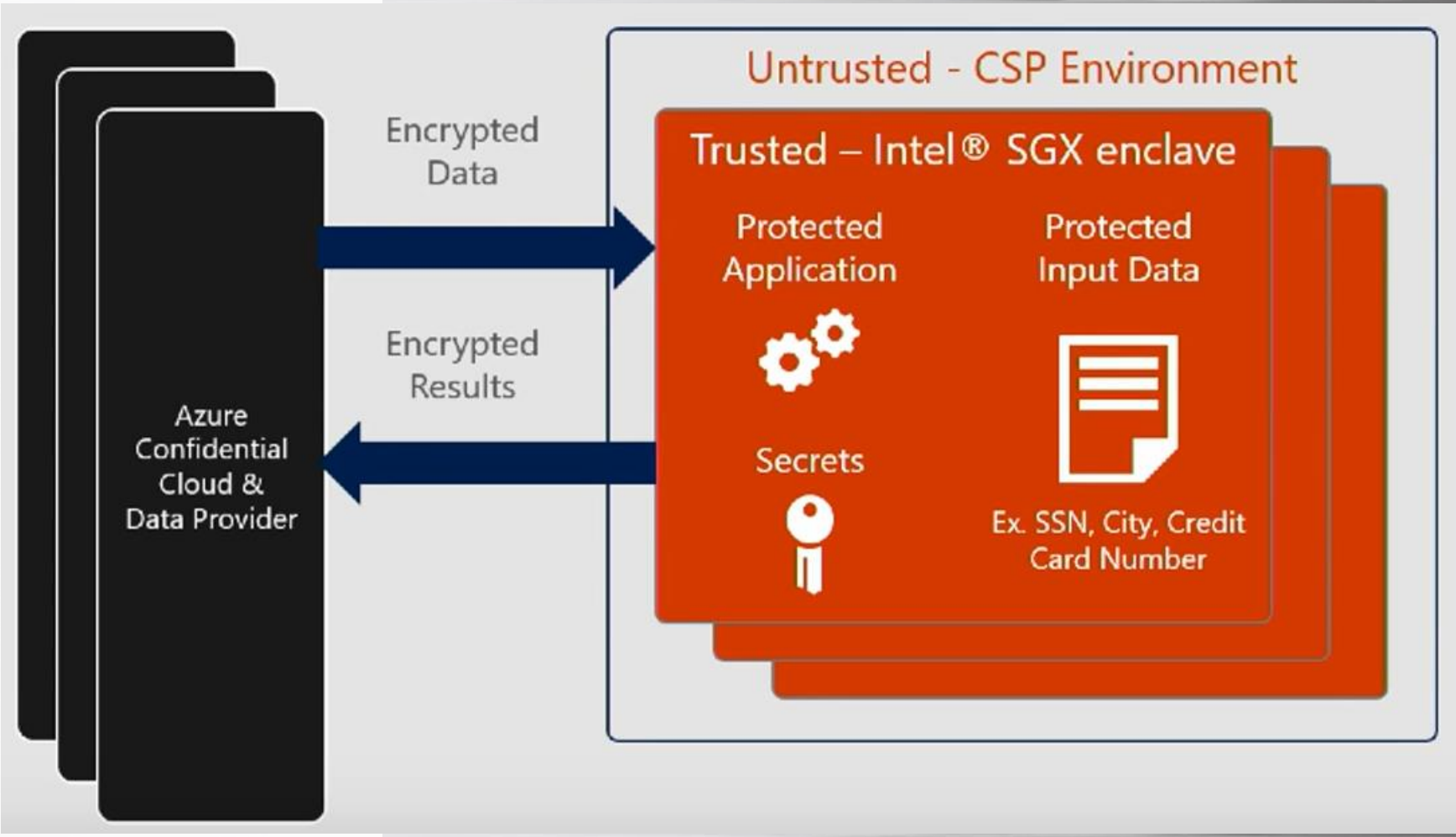
Azure Compute News

- Windows Server 2019
- New GPU VMs
- Azure Serial Console (GA)
- H-Series (Preview)
- Windows Virtual Desktop
- Azure Confidential Computing



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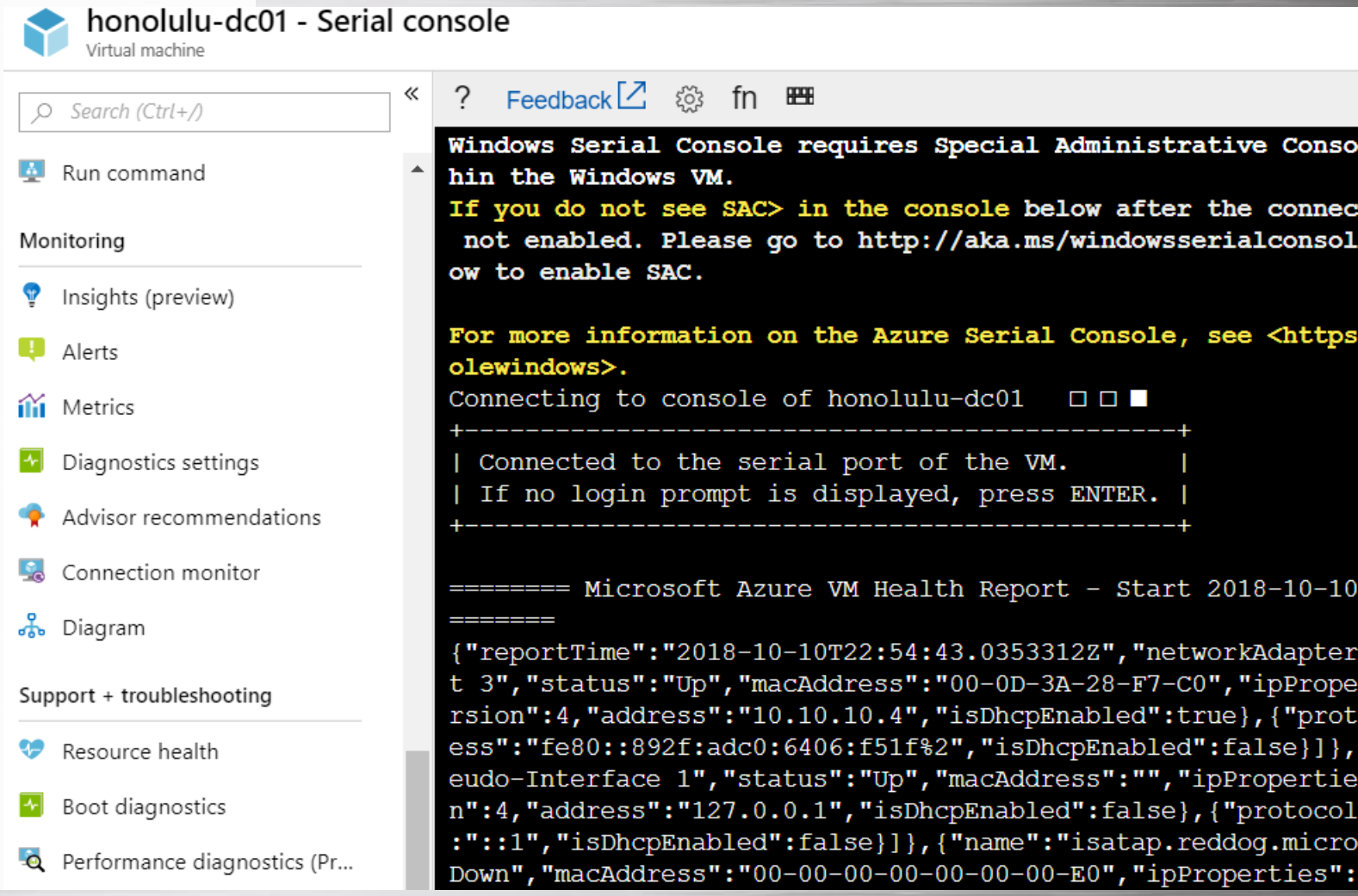

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Azure Storage News

- Larger Azure Managed Disks
- Ultra SSDs Preview
- Standard SSDs GA
- Azure Data Box
- Azure Data Box Heavy
- Azure Files → wait for it

Ultra SSD Managed Disk Offerings

Disk size (GiB)	4	8	16	32	64	128	256	512	1,024-65,536 (in increments of 1 TiB)
IOPS range	100-1,200	100-2,400	100-4,800	100-9,600	100-19,200	100-38,400	100-76,800	100-153,600	100-160,000
Throughput Cap (MBps)	300	600	1,200	2,000	2,000	2,000	2,000	2,000	2,000

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Standard SSD Disk Type	E10	E15	E20	E30	E40	E50	(Preview) E60	(Preview) E70	(Preview) E80
Disk Size	128 GiB	256 GiB	512 GiB	1 TiB	2 TiB	4 TiB	8 TiB*	16 TiB*	32 TiB*
IOPS per disk	Up to 500	Up to 500	Up to 500	Up to 500	Up to 500	Up to 500	Up to 1,300*	Up to 2,000*	Up to 2,000*
Throughput per disk (in MBps)	Up to 60	Up to 60	Up to 60	Up to 60	Up to 60	Up to 60	Up to 300*	Up to 500*	Up to 500*

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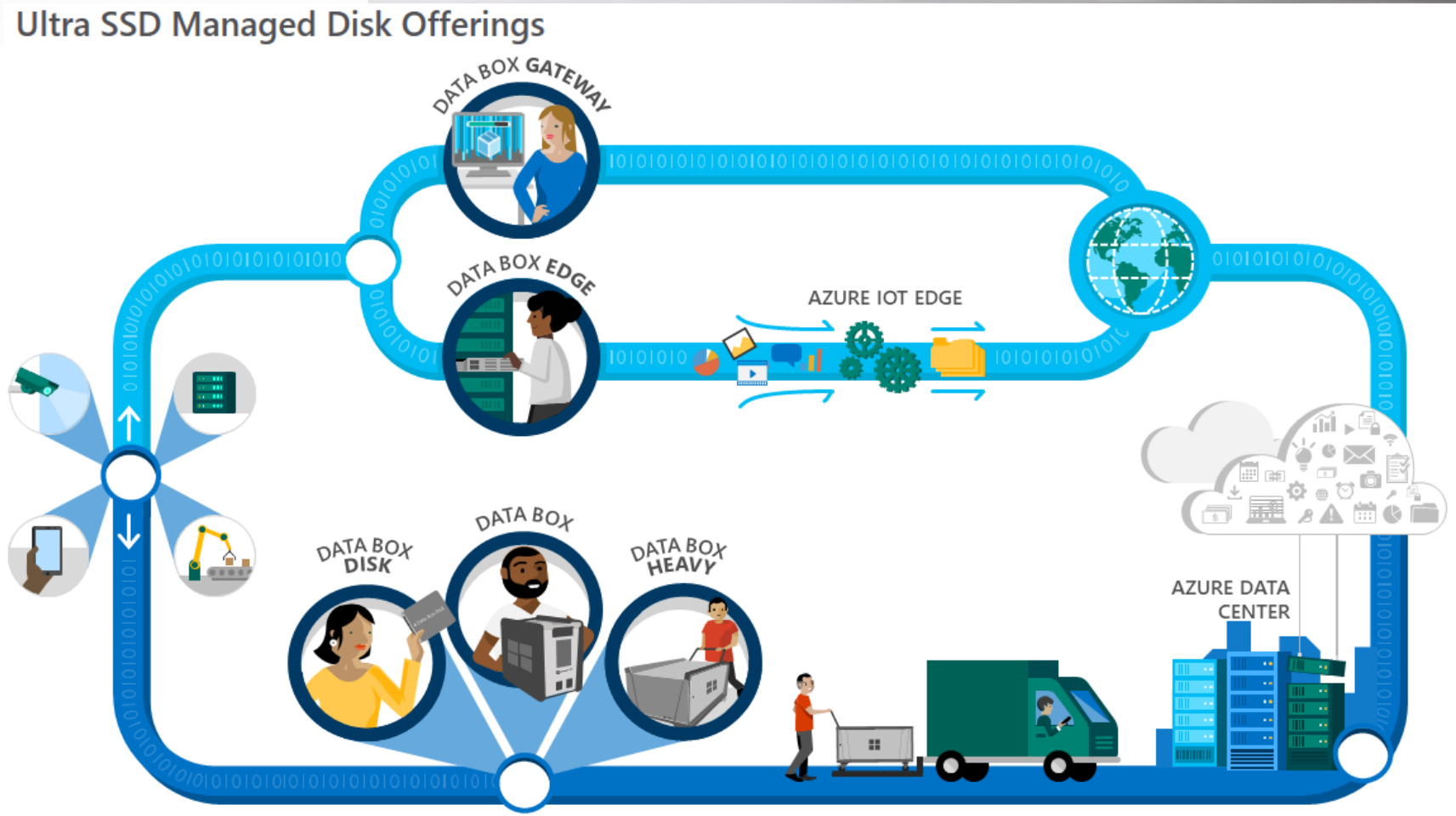

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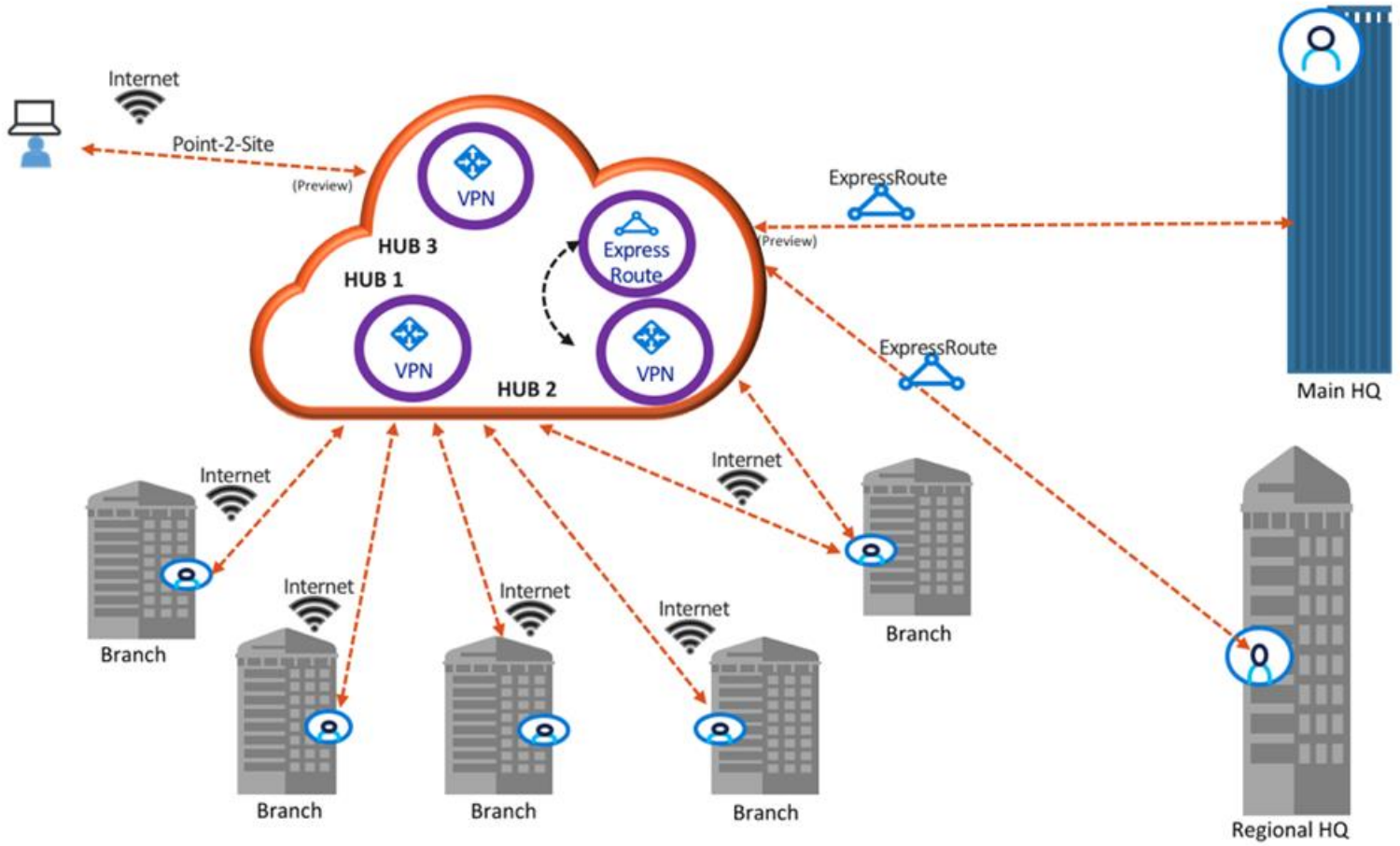
- Azure Front Door Service (Preview)
- Azure Firewall (GA)
- Azure ExpressRoute Direct (Preview)
- Azure ExpressRoute Global Reach (P
- Zone Redundant VPN GW
- Virtual Network TAP



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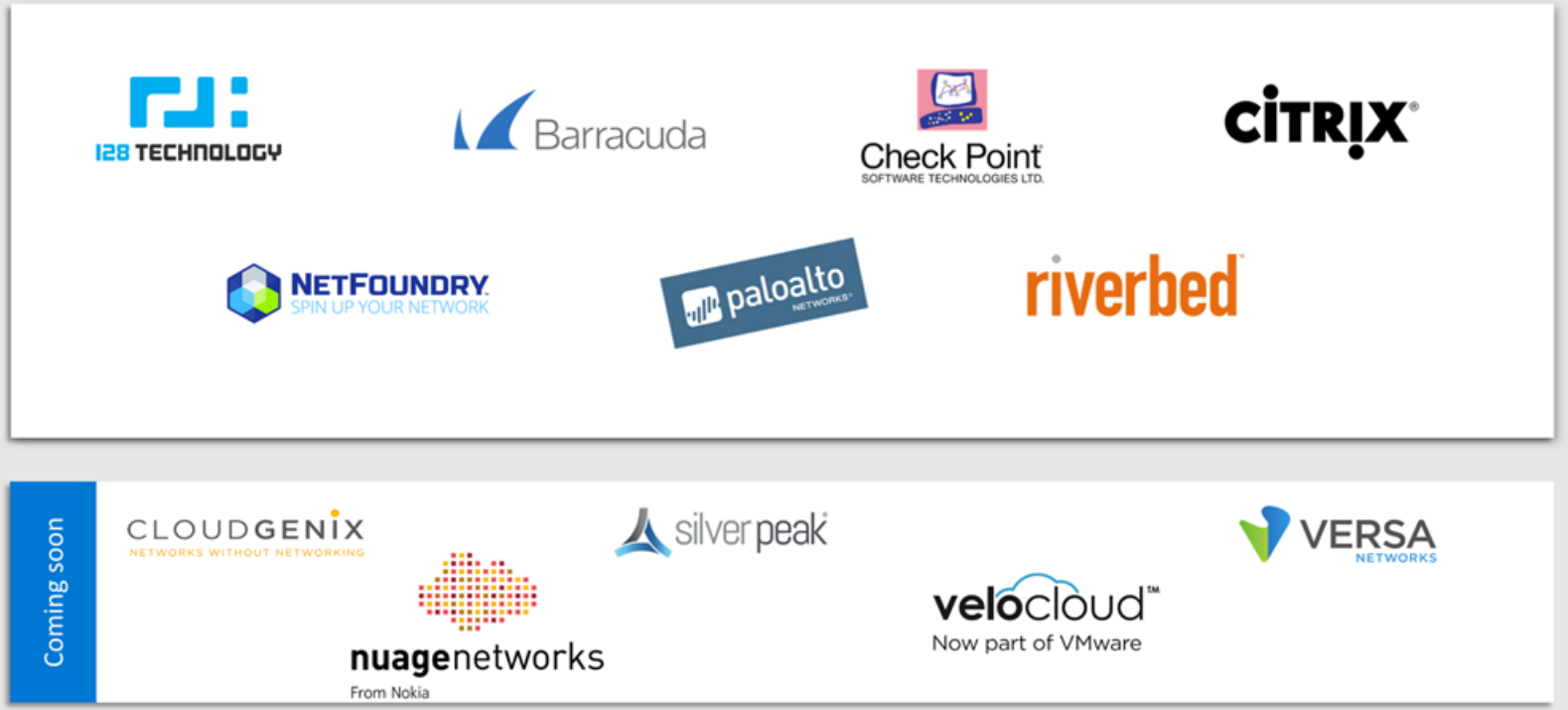

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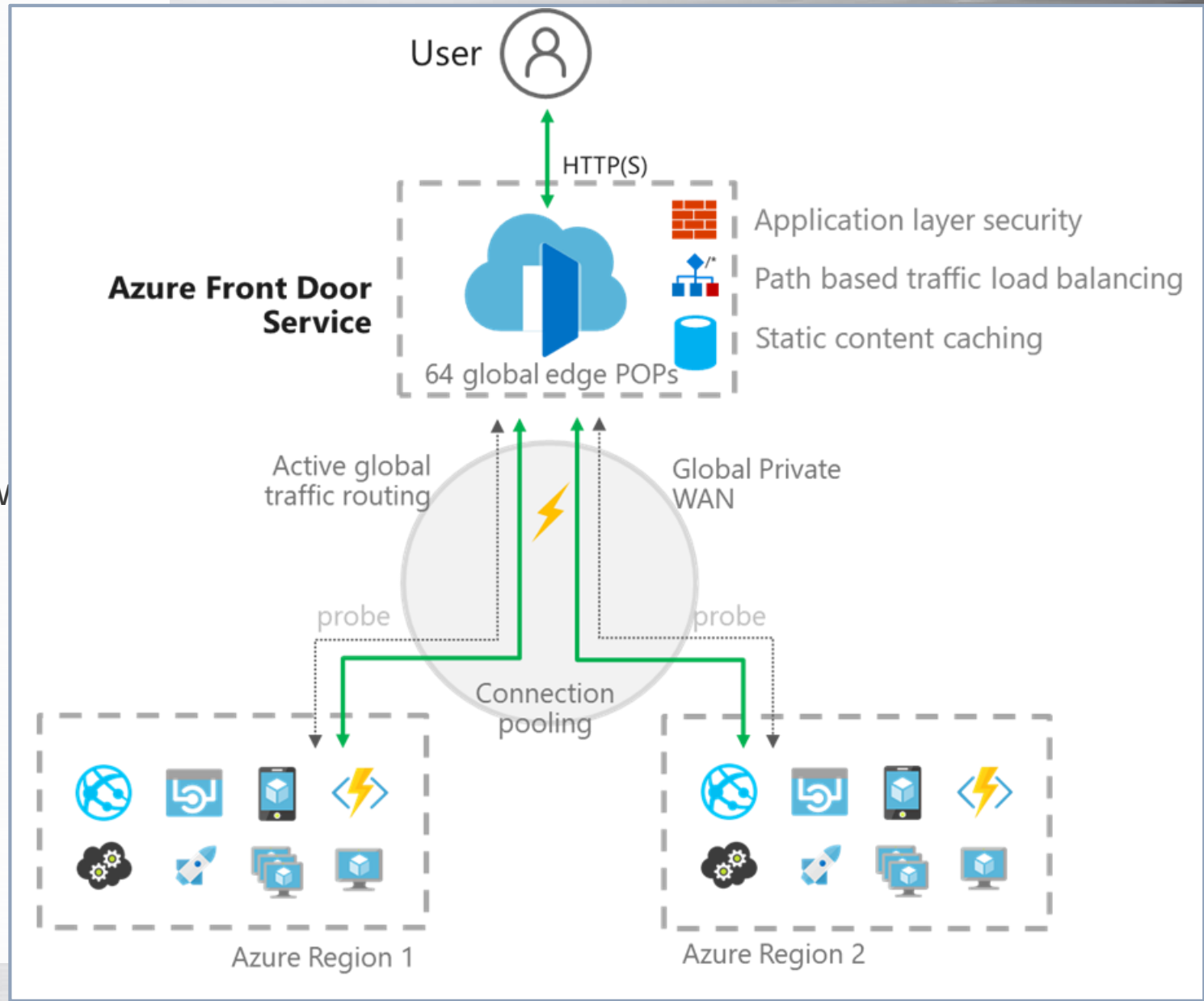

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ExpressRoute using a service provider	ExpressRoute Direct
Utilizes service provider to enable fast onboarding and connectivity into existing infrastructure	Requires 100Gbps infrastructure and full management of all layers
Integrates with hundreds of providers including Ethernet and MPLS	Direct/Dedicated capacity for regulated industries and massive data ingestion
Circuits SKUs from 50Mbps-10Gbps	Circuits SKUs from 1Gbps to 100Gbps
Optimized for single tenant	Optimized for single tenant/Cloud Service providers/multiple business units

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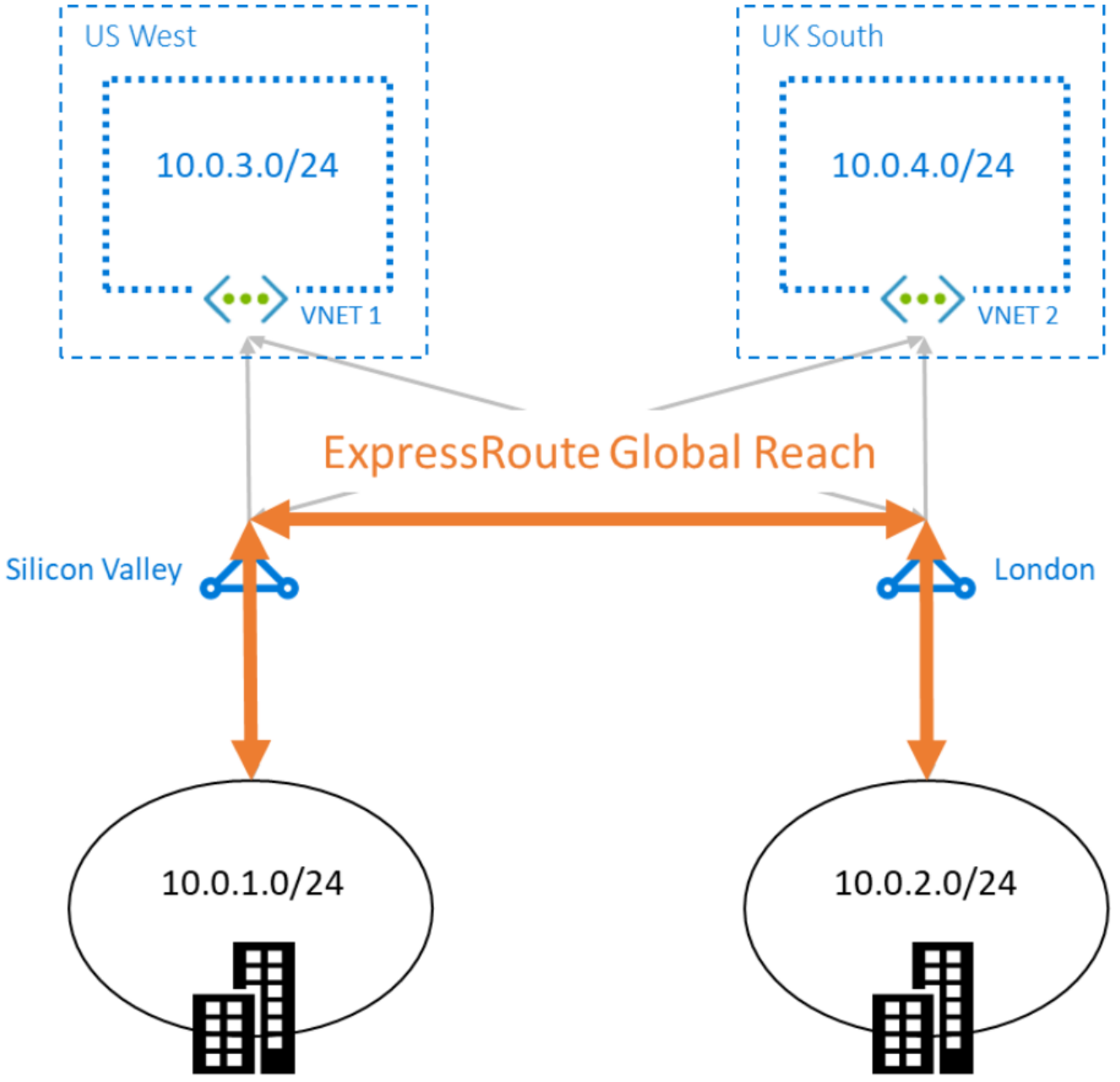

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More…

- Security, Security, Security
- Autopilot Domain Join
- Intune Win32 App Deployment
- M365 stuff

Daniels stuff ;-)

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Q&A

(1) Wie viele Azure Regionen existieren aktuell?

BONUS: Wie viele davon sind bisher nur angekündigt?

(2) Welchen Datendurchsatz haben Standard SSDs?

(3) Welche ist eine gültige Resource Graph Query?

1. az graph query -q "where tags.Project=~‘123456' | project name, type, location“
2. az graph query -q 'project name, type, location, tags | where Project = “123456“’
3. az graph query -q "project name, type, location, tags | where tags.Project=~‘123456‘“
4. az graph query -q "project name, type, location | where tags.Project=~‘123456‘“

(4) Wann und wo findet die Ignite 2019 statt?

Time for your questions…