

Azure Local

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Alanata a.s.

Agenda

Čo je Azure Local

Funkcie Azure Local

Licencovanie

Dell riešenie pre Azure Local

Ukážka prostredia

Q & A

Alanata

Technology Meets Business

Business požiadavky

Distribuovaná infraštruktúra

- Jednotný a flexibilný prístup k technológiám
- Zjednodušenie infraštruktúrnych operácií
- Urýchliť proces inovácie
- Spojiť cloud a lokálnu infraštruktúru (EDGE)



Azure Local

Čo je Azure Local?

- On-premises hyperkonvergovaná virtualizačná platforma s možnosťou hybridného prepojenia s Azure
- V minulosti Azure Stack HCI
- Nie je rozšírením datacentra v Azure (Azure Stack HUB)



Azure Local

Čo je Azure Local?

- Rozširuje Azure služby na on-prem infraštruktúre



Azure Local

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- Rozširuje Azure služby na on-prem infraštruktúre
- **Lokálny beh tradičných a moderných aplikácií**



Azure Local

Čo je Azure Local?

- Rozširuje Azure služby na on-prem infraštruktúre
- Lokálny beh tradičných a moderných aplikácií
- **Centrálna správa pomocou Azure**



Azure Local

Čo je Azure Local?

- Rozširuje Azure služby na on-prem (EDGE) infraštruktúre
- Lokálny beh tradičných a moderných aplikácií
- Centrálna správa pomocou Azure
- **Azure Stack HCI (OS)**



Solution overview



Azure portal, ARM and bicep templates, Azure CLI and tools



Microsoft
Entra ID



Azure Site
Recovery



Azure
Backup



Azure File
Sync



Azure Update
Manager

Additional Azure
services integration
via **Azure Arc**



Azure Policy



Azure
Monitor



Azure Key
Vault



Microsoft Defender
for Cloud



Azure Local
solution

Traditional, non-containerized applications



Windows and Linux virtual machines
as Arc-enabled servers

Azure Virtual
Desktop



Kubernetes-based
applications



Arc-enabled
services



AKS enabled by Azure Arc

Azure Stack HCI operating system



Hyper-V

Storage Spaces Direct

Premier solutions

Validated nodes

Integrated systems

Azure Local

Use case prepojenia s Azure

- Zálohovanie VMs do Azure cloudu
- Disaster recovery centrum v Azure
- Manažment cez Azure Arc



Azure Local

Azure Local management

- Azure Portal
- Azure API / Terraform
- Windows Admin Center (WAC)
- Powershell
- SCVMM



Storage Spaces Direct

Hyper-konvergovaná infraštruktúra S2D

- Software-defined storage
- Lokálne disky (bez SAN a NAS)
- Cluster 2 až 16 nodov
- RDMA (remote direct memory access)
- Storage tiering, resiliency, flexibility



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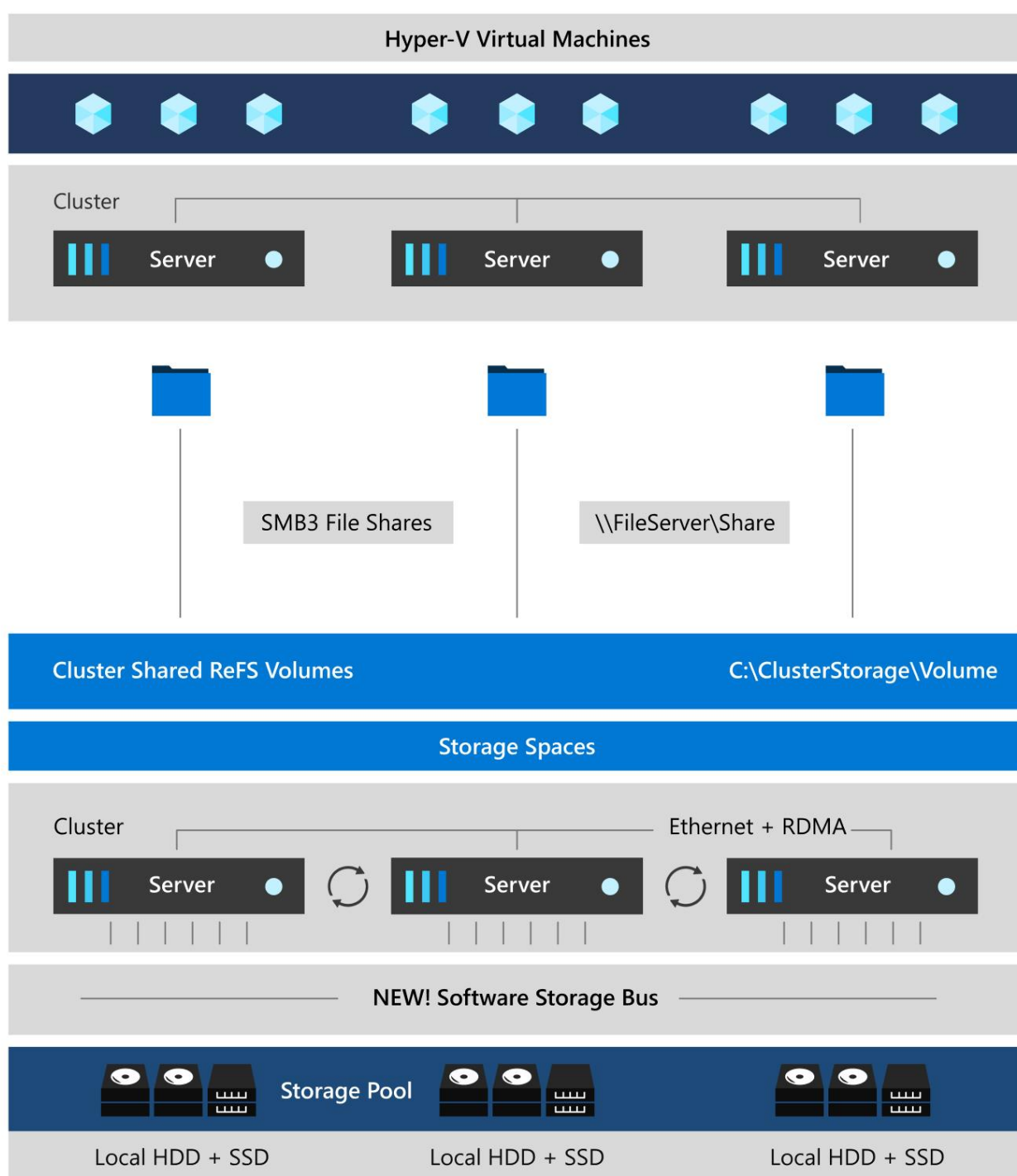
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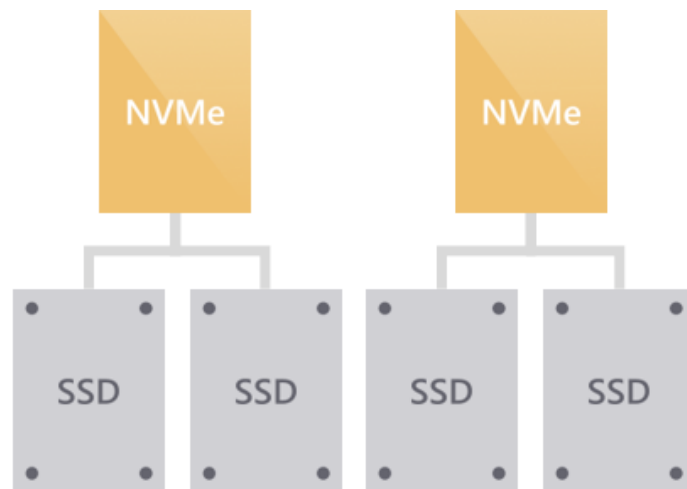
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NVMe for Capacity

OR

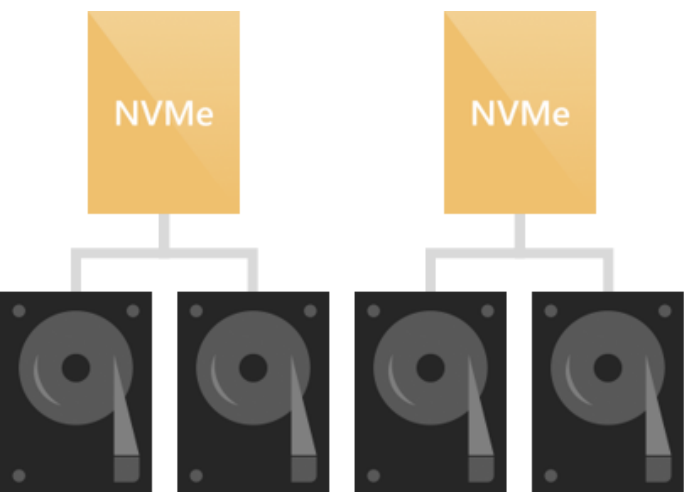


NVMe for Cache SSD for Capacity

OR

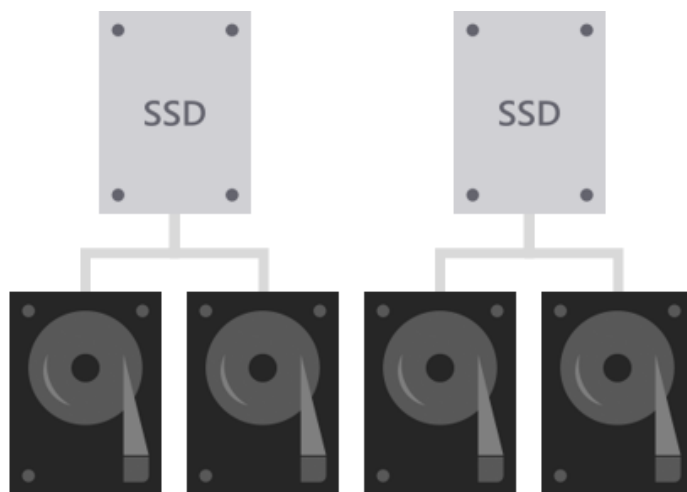


SSD for Capacity



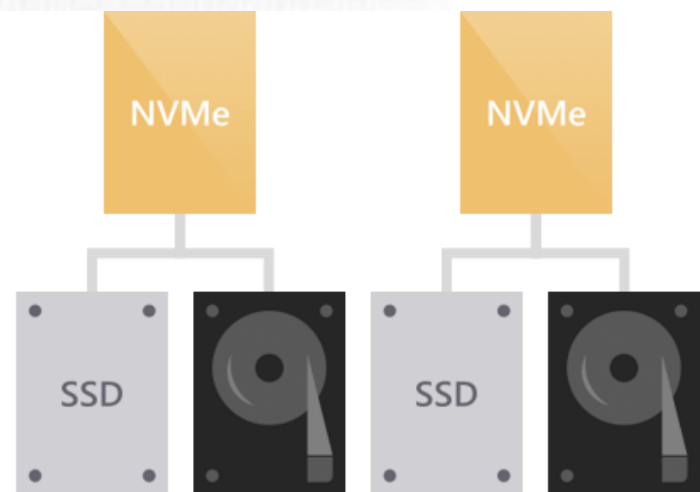
NVMe for Cache HDD for Capacity

OR



SSD for Cache HDD for Capacity

OR



NVMe for Cache SSD + HDD for Capacity

S2D – výkon

Hyper-konvergovaná infraštruktúra S2D – Zákazník1

- 4 Nodes
- 2x 1.6TB NVMe Cache SSD
- 8x 3.84TB 6Gbps SATA SSD
- Mellanox ConnectX-4 2 x 100GbE
- RDMA (RoCE)
- VM Fleet



CSV FS	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write Lat				
Total	2 404 461	2 404 430	31	9 849	9 849	1						
SP1HPVR11	589 251	589 243	8	2 414	2 414		0,291	1,292				
SP1HPVR12	592 393	592 386	6	2 427	2 426		0,282	1,247				
SP1HPVR13	616 960	616 950	10	2 527	2 527		0,284	1,058				
SP1HPVR14	605 857	605 850	7	2 482	2 482		0,292	1,195				

SSB Cache	Hit/Sec	Miss/Sec	Remap/Sec	Cache (MB/s)	RdPop	WrPop	Destage (MB/s)	Update	Total (Pgs)	Standby	Dirty	
Total				2		2			7,60E+8	2,97E+8	4,63E+8	
SP1HPVR11				1		1			1,90E+8	7,04E+7	1,20E+8	
SP1HPVR12									1,90E+8	7,13E+7	1,19E+8	
SP1HPVR13				1		1			1,90E+8	7,15E+7	1,19E+8	
SP1HPVR14									1,90E+8	8,36E+7	1,06E+8	

SBL	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write Lat				
Total	2 404 493	2 404 386	107	9 851	9 849	2						
SP1HPVR11	589 254	589 230	24	2 414	2 414	1	0,272	0,537				
SP1HPVR12	592 377	592 357	19	2 427	2 426	1	0,263	0,556				
SP1HPVR13	616 965	616 935	30	2 528	2 527	1	0,265	0,468				
SP1HPVR14	605 898	605 863	34	2 482	2 481	1	0,273	0,510				

SMB SRV	IOPS	Reads	Writes	Data BW (MB/s)	Read	Write	Total BW (MB/s)	Rcv	Snd			
Total	634 439	634 344	61	2 600	2 598	1	2 735	85	2 650			
SP1HPVR11	158 446	158 396	16	649	649		685	23	662			
SP1HPVR12	163 542	163 528	15	670	670		704	21	683			
SP1HPVR13	155 976	155 955	20	639	639		672	20	651			
SP1HPVR14	156 475	156 465	10	641	641		674	20	653			

S2D BW	CSV(MB/s)	CSVRead	CSVWrite	SBL(MB/s)	SBLRead	SBLWrite	Disk(MB/s)	DiskRead	DiskWrite	Cache(MB/s)	CacheRead	CacheWrite
Total	9 849	9 849	1	9 851	9 849	2	9 846	9 844	2	2		2
SP1HPVR11	2 414	2 414		2 414	2 414	1	2 408	2 407	1	1		1
SP1HPVR12	2 427	2 426		2 427	2 426	1	2 508	2 507				
SP1HPVR13	2 527	2 527		2 528	2 527	1	2 482	2 482	1	1		1
SP1HPVR14	2 482	2 482		2 482	2 481	1	2 449	2 448				

Hyper-V LCPU	Logical	Total%	Guest%	Hypervisor%	Root	Total%	Guest%	Hypervisor%	Remote%	3-Way Mirror 4k 100% read random 0% write		
Total	89,74		86,42	3,32	77,47		76,12	1,35	0,00			
SP1HPVR11	89,73		86,46	3,27	77,69		76,36	1,33	0,00			
SP1HPVR12	90,06		86,77	3,29	77,93		76,59	1,34	0,00			
SP1HPVR13	89,48		86,09	3,39	76,94		75,56	1,38	0,00			
SP1HPVR14	89,68		86,34	3,34	77,35		75,98	1,37	0,00			

S2D – výkon

Hyper-konvergovaná infraštruktúra S2D – Zákazník 2

- 2 Nodes
- 16x 1.9TB NVMe SSD
- Mellanox ConnectX-4 2 x 100GbE
- RDMA (RoCE)
- VM Fleet



S2D – výkon

Hyper-konvergovaná infraštruktúra S2D – Zákazník 2

Administrator: Windows PowerShell

CSV FS	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write	Read QAvg	Write		
Total	1,202,386	1,202,306	80	4,924	4,924	1						
HCI-NODE1	583,334	583,292	42	2,389	2,388		0.139	2.717	81.238	0.113		
HCI-NODE2	619,052	619,014	38	2,536	2,535		0.138	3.075	85.619	0.117		

SBL	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write	Read QAvg	Write		
Total	1,202,266	1,202,067	199	4,925	4,924	1						
HCI-NODE1	583,137	583,051	85	2,389	2,388	1	0.116	1.302	67.836	0.111		
HCI-NODE2	619,129	619,015	114	2,536	2,535	1	0.118	1.346	72.845	0.154		

S2D BW	CSV (MB/s)	Read	Write	SBL (MB/s)	Read	Write	Cache (MB/s)	Read	Write	Disk (MB/s)	Read	Write
Total	4,924	4,924	1	4,925	4,924	1						
HCI-NODE1	2,389	2,388		2,389	2,388	1						
HCI-NODE2	2,536	2,535		2,536	2,535	1						

Hyper-V LCPU	Logical	Total%	Guest%	Hypervisor%	Root	Total%	Guest%	Hypervisor%	Remote%			
Total	94.31		92.88	1.42	79.69		79.18	0.51	0.00			
HCI-NODE1	94.32		92.87	1.45	80.07		79.54	0.54	0.00			
HCI-NODE2	94.29		92.89	1.40	79.30		78.82	0.48	0.00			

2-Way Mirror 4k
100% read random
0% write random

S2D – výkon

Hyper-konvergovaná infraštruktúra S2D – Zákazník 2

Administrator: Windows PowerShell											
CSV FS	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write	Read QAvg	Write	
Total	313,233		313,233	1,283		1,283					
HCI-NODE1	157,841		157,841	647		647	0.000	23.458	0.000	3702.418	
HCI-NODE2	155,392		155,391	637		637	0.185	23.885	0.000	3711.517	

SBL	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write	Read QAvg	Write	
Total	626,453		626,452								
HCI-NODE1	315,672		315,672				0.000	11.721	0.000	3699.837	
HCI-NODE2	310,781		310,780				0.165	11.936	0.000	3709.518	

S2D BW	CSV (MB/s)	Read	Write	SBL (MB/s)	Read	Write	Cache (MB/s)	Read	Write	Disk (MB/s)	Read Write
Total	1,283		1,283								
HCI-NODE1	647		647								
HCI-NODE2	637		637								

Hyper-V LCPU	Logical	Total%	Guest%	Hypervisor%	Root	Total%	Guest%	Hypervisor%	Remote%		
Total	65.87		60.90	4.97	53.58		51.77	1.81	0.00		
HCI-NODE1	66.40		61.43	4.97	54.09		52.27	1.82	0.00		
HCI-NODE2	65.33		60.36	4.97	53.08		51.27	1.80	0.00		

2-Way Mirror 4k
0% read random
100% write random

S2D – výkon

Hyper-konvergovaná infraštruktúra S2D – Zákazník 2

Administrator: Windows PowerShell

CSV FS	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write	Read QAvg	Write		
Total	673,519	673,516	3	44,103	44,103							
HCI-NODE1	348,038	348,037	1	22,795	22,795		1.335	0.376	464.639	0.001		
HCI-NODE2	325,481	325,479	1	21,308	21,308		0.915	1.940	297.881	0.003		

SBL	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write	Read QAvg	Write		
Total	835,771	835,765	7	44,107	44,107							
HCI-NODE1	429,637	429,634	3	22,799	22,799		1.200	0.130	515.761	0.000		
HCI-NODE2	406,134	406,130	4	21,308	21,308		0.811	0.787	329.198	0.003		

S2D BW	CSV (MB/s)	Read	Write	SBL (MB/s)	Read	Write	Cache (MB/s)	Read	Write	Disk (MB/s)	Read	Write
Total	44,103	44,103		44,107	44,107							
HCI-NODE1	22,795	22,795		22,799	22,799							
HCI-NODE2	21,308	21,308		21,308	21,308							

Hyper-V LCPU	Logical	Total%	Guest%	Hypervisor%	Root	Total%	Guest%	Hypervisor%	Remote%			
Total	76.91		74.72	2.19	59.04		58.42	0.62	0.00			
HCI-NODE1	85.03		82.72	2.31	66.32		65.59	0.73	0.00			
HCI-NODE2	68.80		66.72	2.08	51.76		51.24	0.51	0.00			

2-Way Mirror 64k
100% read
0% write

S2D – výkon

Hyper-konvergovaná infraštruktúra S2D – Zákazník 2

Administrator: Windows PowerShell											
CSV FS	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write	Read QAvg	Write	
Total	216,135	473	215,662	14,134		14,133					
HCI-NODE1	108,743	226	108,517	7,112		7,112	0.003	33.320	0.001	3615.889	
HCI-NODE2	107,392	247	107,145	7,022		7,022	0.002	33.762	0.001	3617.414	

SBL	IOPS	Reads	Writes	BW (MB/s)	Read	Write	Read Lat (ms)	Write	Read QAvg	Write	
Total	532,187	1	532,186	2,361		2,361					
HCI-NODE1	266,255	1	266,254	1,252		1,252	0.298	16.578	0.000	4414.142	
HCI-NODE2	265,932		265,932	1,109		1,109	0.000	16.805	0.000	4469.617	

S2D BW	CSV (MB/s)	Read	Write	SBL (MB/s)	Read	Write	Cache (MB/s)	Read	Write	Disk (MB/s)	Read Write
Total	14,134		14,133	2,361		2,361					
HCI-NODE1	7,112		7,112	1,252		1,252					
HCI-NODE2	7,022		7,022	1,109		1,109					

Hyper-V LCPU	Logical	Total%	Guest%	Hypervisor%	Root	Total%	Guest%	Hypervisor%	Remote%		
Total	76.86		70.67	6.19	65.98		63.09	2.89	0.00		
HCI-NODE1	76.70		70.59	6.11	65.94		63.07	2.87	0.00		
HCI-NODE2	77.02		70.75	6.27	66.02		63.10	2.92	0.00		

2-Way Mirror 64k
0% read
100% write

Kam Azure Local ?

Spracovanie dát blízko zdroja

- Lokálne AI spracovanie dát
- Biometrické dáta
 - Obchody
 - Letiská
 - Vstupné brány



Kam Azure Local ?

Kritické real-time latencie

- Automobilky
- Fabriky
- Nemocnice



Kam Azure Local ?

Limitované, regulované pripojenie

- Lode a ponorky
- Ropné stanice
- Veterné/solárne/vodné elektrárne
- Offline prostredia
(preview)



Kam Azure Local ?

Dáta na území danej krajiny

- Dodržiavanie pravidiel o dátovej rezidencii
- Viacvrstvová bezpečnosť a šifrovacie protokoly
- Súlad s GDPR a inými reguláciami



Kam Azure Local ?

- Všade tam, kde chcete mať spoľahlivú a výkonnú virtualizačnú platformu



Azure Local

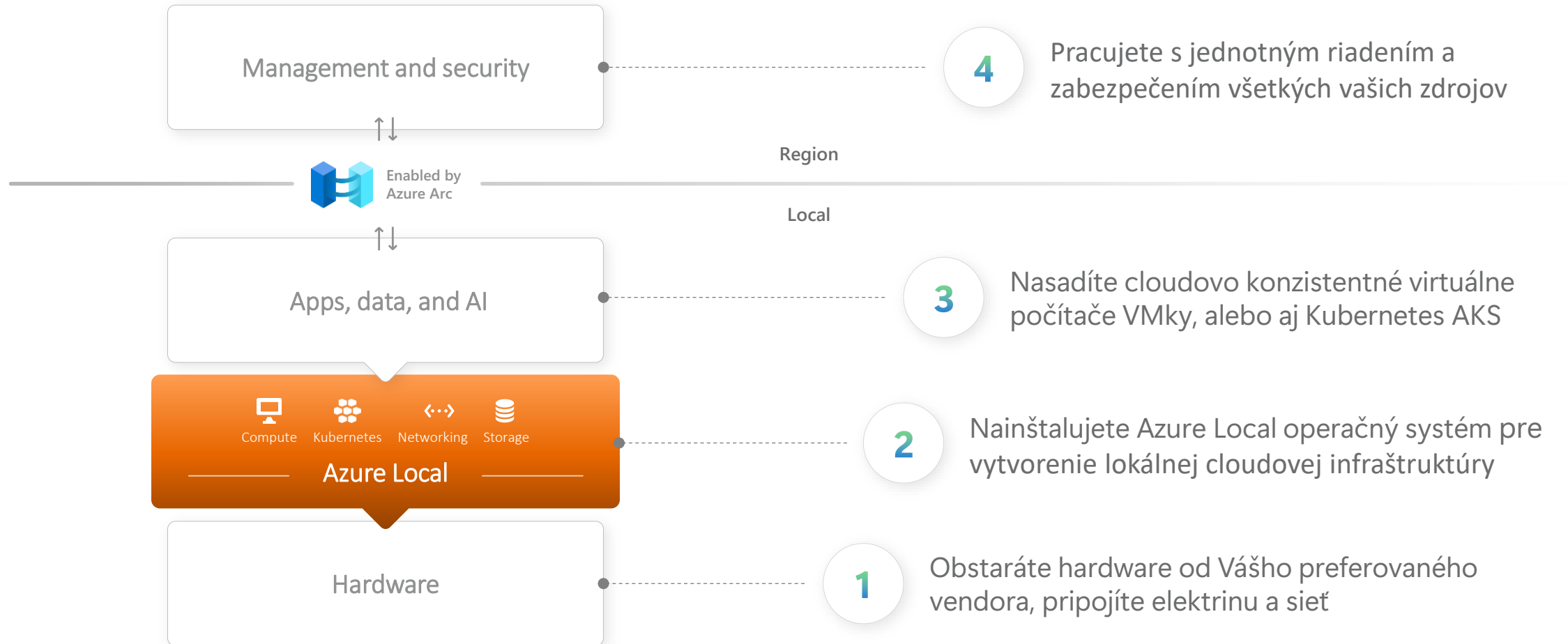
Gartner magic quadrant

- Distributed Hybrid infrastructure
- 50% enterprise spúšťa proces náhrady virtualizácie na DHI



Azure Local

Nasadenie Azure Local do Vašej infraštruktúry



Azure Local

Certifikovaný Hardvér



Low-spec, low-cost edge servers

Simpler, smaller hardware for light computing requirements.

NEW PREVIEW



Connected servers (formerly Azure Stack HCI)

Choose from over 100 hyperconverged server platforms from major OEMs.

✓ **GA**



Disconnected operations

Meet strict data residency regulations with a permanently disconnected option.

NEW PREVIEW

Azure

Certifikovaný



Low-spec, l
edge se

Simpler, smaller harc
computing requ

NEW PRE

- ✓ Solution builder
- ☐ DataON
 - ☒ Dell Technologies
 - ☐ Hewlett Packard Enterprise
 - ☐ Lenovo

> See More

> Nodes per cluster ⓘ

> Purchase as a service

> CPU

> GPU support

> Storage

> Feature support

> Regional availability

✓ Platform lifecycle

- ☐ Current
- ☐ Limited support
- ☐ Out of support

Showing 1-11 of 11 platforms

AX-760 Premier Solution  Dell Technologies 1 to 16 nodes Intel® 5th Gen Xeon® Scalable Processor 4 solutions > Dell APEX Subscriptions ⓘ	AX-7525 Integrated System  Dell Technologies 1 to 16 nodes AMD 3rd Gen EPYC™ 3 solutions >	Dell APEX Cloud Platform MC-760 Premier Solution  Dell Technologies 1 to 16 nodes Intel® 5th Gen Xeon® Scalable Processor 4 solutions > Dell APEX Flex on Demand ⓘ	Dell APEX Cloud Platform MC-660 Premier Solution  Dell Technologies 1 to 16 nodes Intel® 5th Gen Xeon® Scalable Processor 2 solutions > Dell APEX Flex on Demand ⓘ
AX-6515 Integrated System  Dell Technologies 1 to 16 nodes AMD 3rd Gen EPYC™ 1 solution >	AX-750 Integrated System  Dell Technologies ⓘ There's a newer solution available 1 to 16 nodes Intel® 3rd Gen Xeon® Scalable Processor 4 solutions >	AX-650 Integrated System  Dell Technologies ⓘ There's a newer solution available 1 to 16 nodes Intel® 3rd Gen Xeon® Scalable Processor 3 solutions >	AX-4000r/z with AX-4520c Premier Solution  Dell Technologies 1 to 16 nodes Intel® Xeon® D 27xx 1 solution > Dell APEX Subscriptions ⓘ
Dell APEX Cloud Platform MC-4000r/z with MC-4510c Premier Solution  Dell Technologies 1 to 16 nodes Intel® Xeon® D 27xx 1 solution > Dell APEX Flex on Demand ⓘ	AX-4000r/z with AX-4510c Premier Solution  Dell Technologies 1 to 16 nodes Intel® Xeon® D 27xx 1 solution > Dell APEX Subscriptions ⓘ	Dell APEX Cloud Platform MC-4000r/z with MC-4520c Premier Solution  Dell Technologies 1 to 16 nodes Intel® Xeon® D 27xx 1 solution > Dell APEX Flex on Demand ⓘ	



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IEW

Azure Local

Licencovanie riešenia

- Per-core licensing (Physical)
- OEM licensing
- Windows server Datacenter + SA (Azure Hybrid Benefits)
- On-prem software licencie



Azure Local

Aktivácia Windows Server VMs

- Windows Server VMs musia byť aktivované, aby ste ich mohli používať v službe Azure Local
- **Windows Server subscription:** Aktivuje všetky virtuálne počítače s Windows Serverom pre Azure Local (len ako addon per physical core)
- **Azure Hybrid Benefit (AHB):** Windows Server Datacenter so SA pre aktiváciu Windows Server VMs na Azure Local pri znížených nákladoch
- AVMA, KMS, License key



Azure Local

Deployment

- Jednoduchý wizard

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

Home > Azure Arc | Azure Local >

Deploy Azure Local

Basics Configuration Networking Management Security Advanced Tags Validation Review + create

Instance details

Instance name * ⓘ Contoso-01

Region * ⓘ (US) East US 2

Select the machines to use and validate

Selecting more than one machine creates a multi-node instance. [How do I add a machine?](#)

+ Add machines Refresh

Name	Status	Operating System
Store-771-Node1	Ready	Azure Stack
Store-771-Node2	Ready	Azure Stack

Install extensions Validate selected machines

Identity provider

Identity provider for instance * ⓘ

☒ Active Directory ☐ Local Identity Provider

Review + create < Previous Next: Configuration

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

Home > Azure Arc | Azure Local >

Deploy Azure Local

Basics Configuration **Networking** Management Security Advanced Tags Validation Review

Choose whether to use a network switch for the storage network

☐ No switch for storage ☒ Network switch for storage

 Storage network adapters connect all machines directly

 Storage network adapters connect to a network switch

Group network traffic types by intent

Choose traffic types to group together on a set of network adapters and which types to keep physically isolated on their own adapters

☒ Group all traffic ☐ Group management and compute traffic ☐ Group compute and storage traffic

 Management, compute and storage intent

 Management and compute intent

 Storage intent

 Management intent

 Compute and storage intent

Review + create < Previous Next: Management

Customize network values

Azure Local deployment

Data Center Bridging (for storage)

Storage traffic priority * ⓘ

3

System traffic priority * ⓘ

7

Storage traffic bandwidth reservation * ⓘ

50

Adapter properties

Jumbo frame size(bytes) * ⓘ

1514

RDMA protocol * ⓘ

RoCEv2

iWARP

RoCE

RoCEv2

Disabled

Save

Discard

Azure Local

Deployment

- Jednoduchý wizard
- Terraform

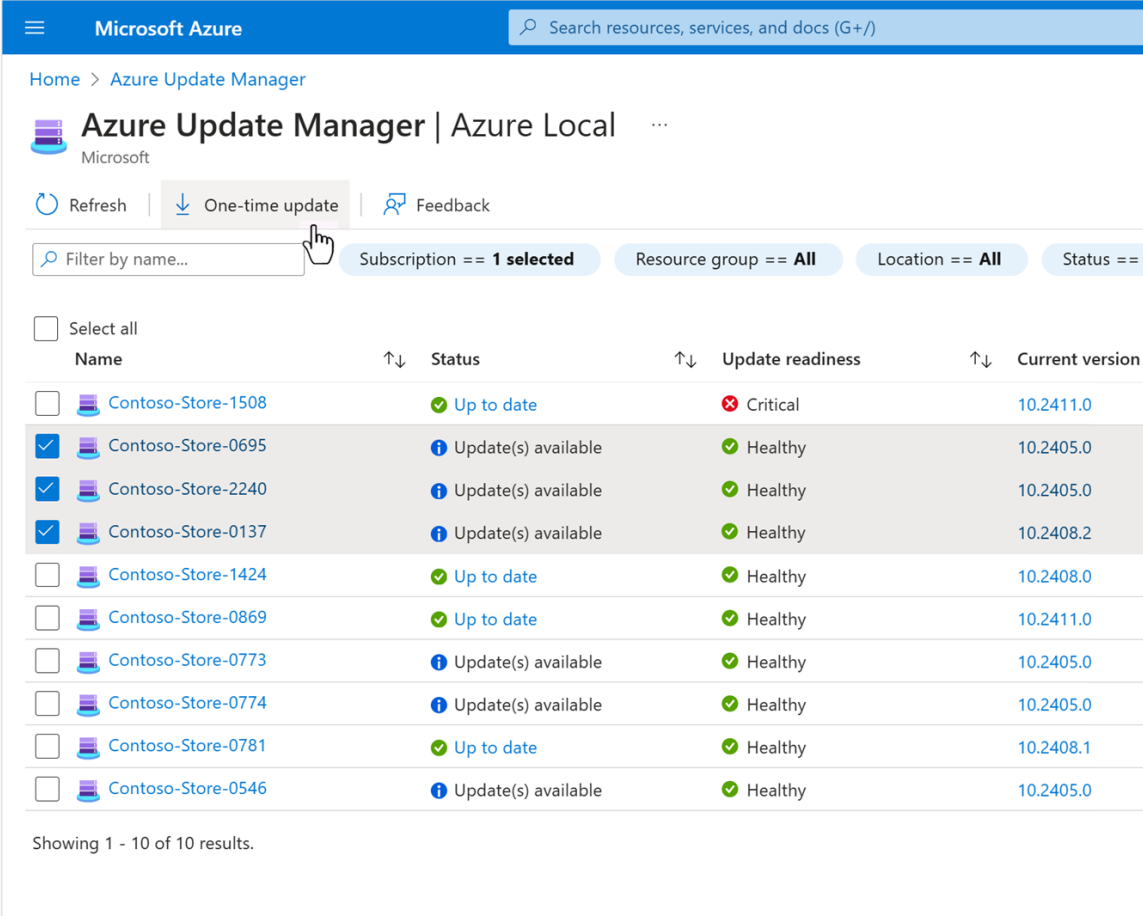
{} Contoso-Store-092.parameters.json X

```
29  "parameters": {  
30    "clusterName": {  
31      "value": "Contoso-Store-092"  
32    },  
33    "useDhcp": {  
34      "value": false  
35    },  
36    "networkingPattern": {  
37      "value": "hyperConverged"  
38    },  
39    "physicalNodesSettings": {  
40      "value": [  
41        {  
42          "name": "Node1",  
43          "ipv4Address": "100.156.94.11"  
44        },  
45        {  
46          "name": "Node2",  
47          "ipv4Address": "100.156.94.12"  
48        },  
49        {  
50          "name": "Node3",  
51          "ipv4Address": "100.156.94.13"  
52        }  
53      ]  
54    },  
55    "securityLevel": {  
56      "value": "Recommended"  
57    },  
58    "clusterWitnessStorageAccountName": {  
59      "value": "contoso092storageaccount"
```

Azure Local

Azure Update Manager

- Zobrazenie a správa aktualizácií v Azure Update Manager
- Full stack update Azure Local a OEM
- Bezvýpadkové patchovanie pod Vašou kontrolou



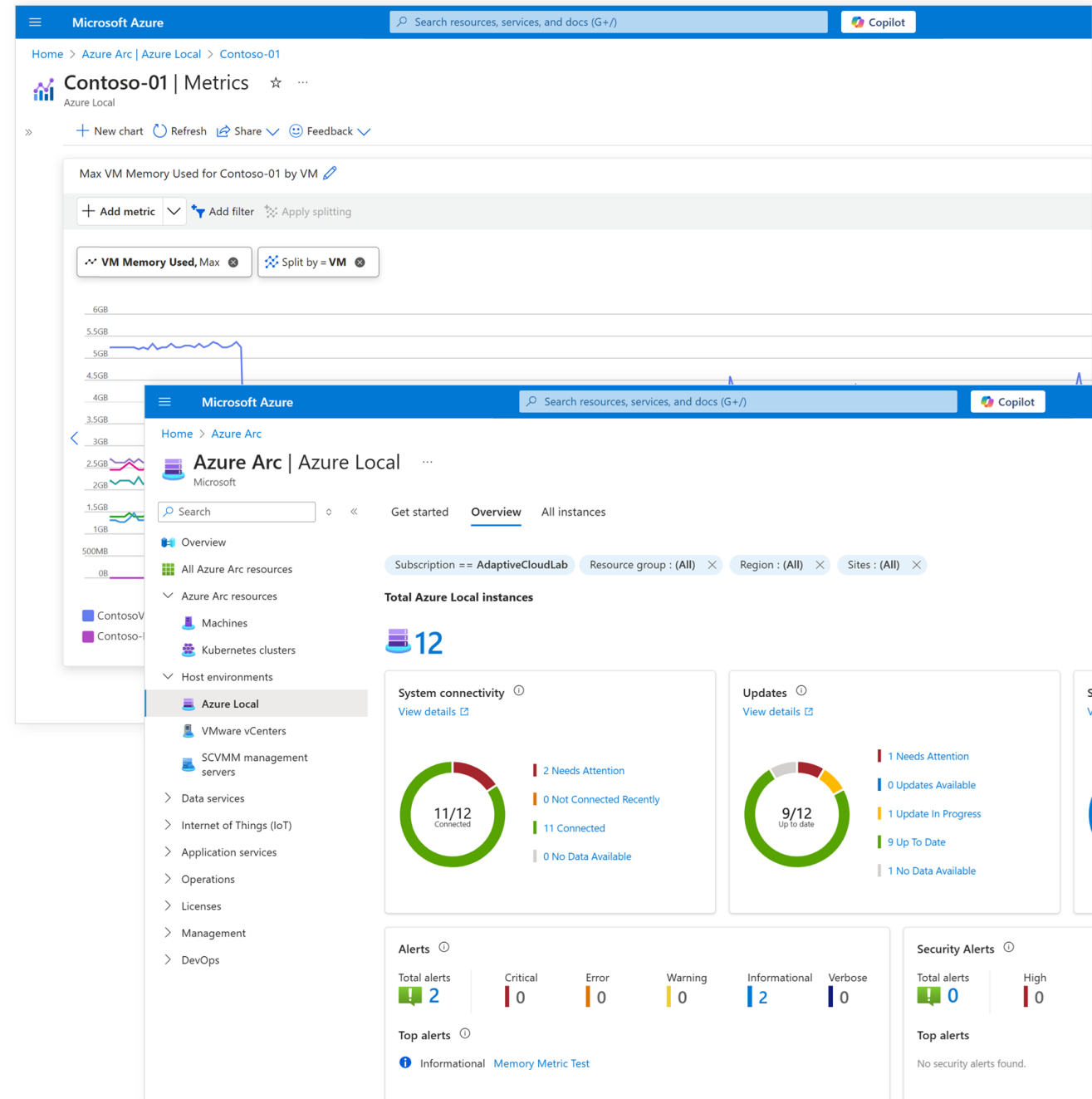
The screenshot displays the Azure Update Manager interface for Azure Local. The top navigation bar shows 'Microsoft Azure' and a search bar. The breadcrumb path is 'Home > Azure Update Manager'. The main heading is 'Azure Update Manager | Azure Local'. Below this, there are buttons for 'Refresh', 'One-time update', and 'Feedback'. A filter bar includes a search box 'Filter by name...', a selection summary 'Subscription == 1 selected', and filters for 'Resource group == All', 'Location == All', and 'Status =='. A table lists 10 virtual machines with columns for Name, Status, Update readiness, and Current version. The first machine, 'Contoso-Store-1508', is 'Up to date' but has a 'Critical' update readiness. The next four machines have 'Update(s) available' and are 'Healthy'. The remaining five machines are 'Up to date' and 'Healthy'. At the bottom, it says 'Showing 1 - 10 of 10 results.'

Name	Status	Update readiness	Current version
Contoso-Store-1508	Up to date	Critical	10.2411.0
Contoso-Store-0695	Update(s) available	Healthy	10.2405.0
Contoso-Store-2240	Update(s) available	Healthy	10.2405.0
Contoso-Store-0137	Update(s) available	Healthy	10.2408.2
Contoso-Store-1424	Up to date	Healthy	10.2408.0
Contoso-Store-0869	Up to date	Healthy	10.2411.0
Contoso-Store-0773	Update(s) available	Healthy	10.2405.0
Contoso-Store-0774	Update(s) available	Healthy	10.2405.0
Contoso-Store-0781	Up to date	Healthy	10.2408.1
Contoso-Store-0546	Update(s) available	Healthy	10.2405.0

Azure Local

Azure Monitoring

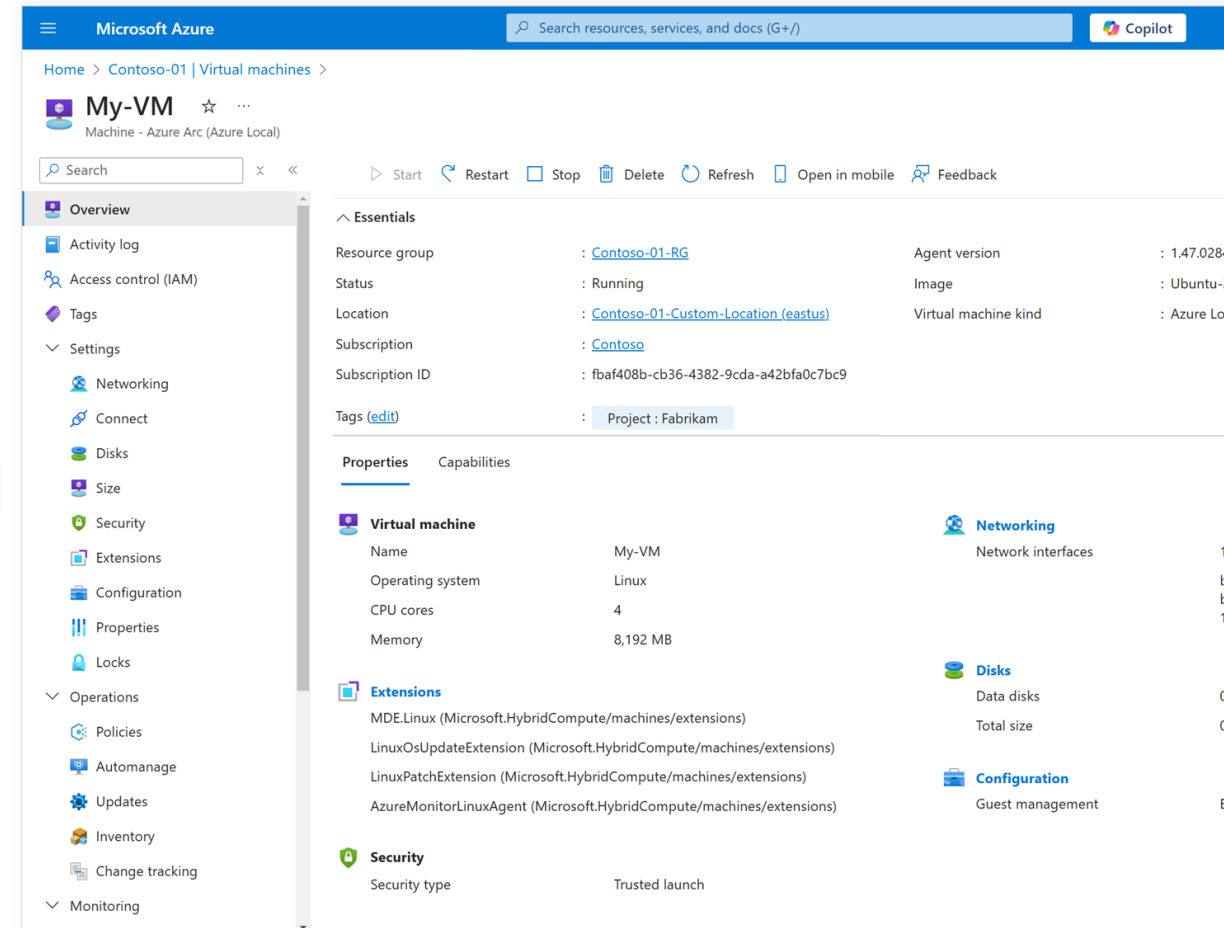
- Monitoring infraštruktúry, VMs, a Kubernetes z Azure portal
- Custom dashboardy
- Alerty



Azure Local

Azure Virtual machines

- VMs, vlastné obrazy, alebo Marketplace
- Nastavenie CPU, sietí, úložiska
- Automation pre cloud-consistent VM operácie
- VMs extensions pre monitoring, bezpečnosť, aktualizácie, AD join, custom scripty a viac



Azure Local

Azure Kubernetes Service

- Nasadenie kontajnerov a cloud-native aplikácií
- Manažment AKS-consistent portál a API
- Microsoft storage CSI driver a obrazy pre Linux a Windows
- Infra-as-code, nepretržitá správa pomocou Terraform a GitOps support

The image shows two screenshots of the Microsoft Azure portal. The top screenshot is the 'Create a Kubernetes cluster with Azure Arc' page. It has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: Home > Azure Arc | Azure Local > Contoso-01 >. The main heading is 'Create a Kubernetes cluster with Azure Arc'. There are tabs for Basics, Node pools, Access, Networking, Integration, Tags, and Review + create. The 'Project details' section asks to select a subscription and resource group. The 'Subscription' dropdown is set to 'Contoso' and the 'Resource group' dropdown is set to 'Contoso-01-RG'. There's a 'Create new' link below the resource group dropdown. The 'Cluster details' section has a 'Kubernetes cluster name' field set to 'My-AKS-Cluster'.

The bottom screenshot is the 'My-AKS-Cluster' details page. It has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: Home > Azure Arc | Azure Local >. The main heading is 'My-AKS-Cluster' with a star icon and a menu icon. Below the heading, there's a search bar and a row of icons: Delete, Refresh, and Open in mobile. The left sidebar has a list of categories: Security (preview), Kubernetes resources (preview), Settings, and Monitoring. Under 'Kubernetes resources (preview)', there are links for Namespaces, Workloads, Services and ingresses, Storage, and Configuration. Under 'Settings', there are links for Node pools, Extensions, and Open Service Mesh. Under 'Monitoring', there are links for Insights, Alerts, Metrics, Logs, Diagnostic settings, and Workbooks. The main content area is divided into two sections: 'Essentials' and 'Properties'. The 'Essentials' section has a table with the following data:

Subscription (move)	Subscription ID	Resource group (move)	Status	Location
: Contoso	: eba548b-cb71-4663-9cda-a42bfa0c7bc9	: Contoso-01-RG	: Connecting	: Contoso-01 (East US)

The 'Properties' section has a table with the following data:

Agent version	Managed identity certificate	Kubernetes version	Total node count	Total core count
: 1.21.10	: January 5, 2025 at 10:21 AM PST	: 1.29.4	: 5	: 20

On the right side of the 'Properties' section, there are two more sections: 'Networking' and 'Extensions'. The 'Networking' section has a table with the following data:

Logical network	Network policy
: My-Log	: calico

The 'Extensions' section has a table with the following data:

Extensions
: microsoft.azuredefender.kubernetes
: azurepolicy

Azure Local

Low spec, low cost pre EDGE server

Azure Stack HCI Requirements at launch	Azure Local Requirements at launch
Windows Server certified	Windows Server certified
Min. 2+ machines	1+ machine
Min. 4+ disks per machine	1+ SSD per machine
Min. 10 Gbps w/RDMA	1 Gbps/2.5 Gbps Ethernet
Active Directory required	Doesn't require AD



Dell APEX Cloud Platform
MC-660



Dell MC-4000r/z + MC-4510c
Rugged two-sled chassis



HPE Edgeline EL8000
with e920 Server Blade



Lenovo ThinkEdge SE350v2
Half-width, half-depth 1U

Azure Local

Disconnected Azure Local

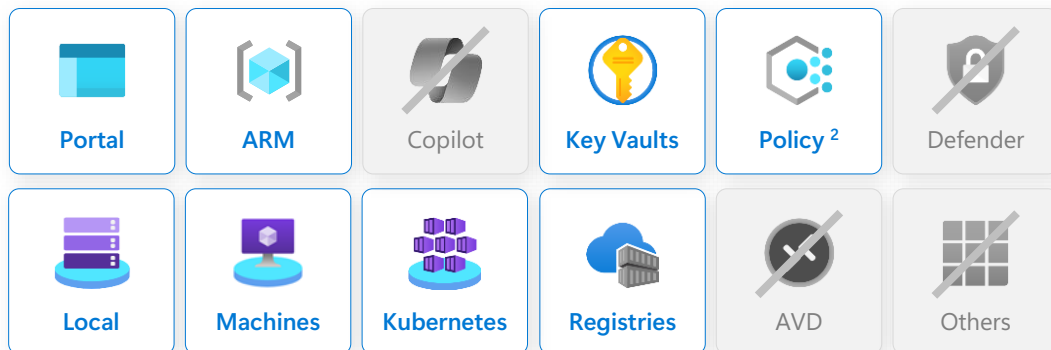


Splnenie regulačných požiadaviek
prevádzkou trvalo odpojenou od cloudu

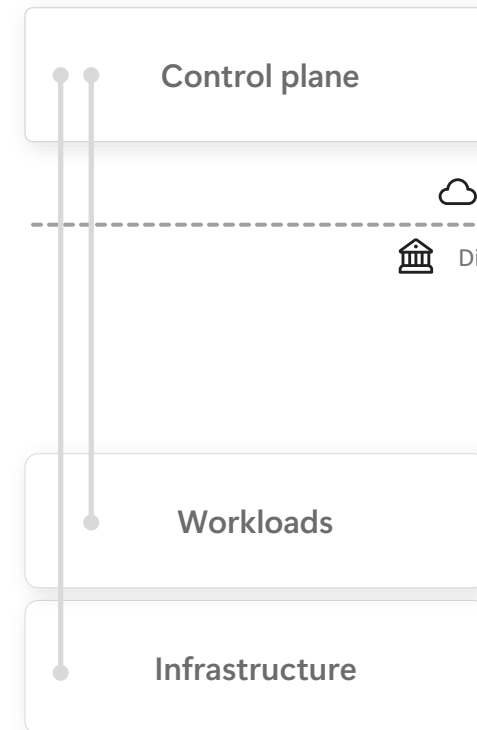


Správa prostriedkov Azure, portálu a
služieb v lokálnej appliance VM

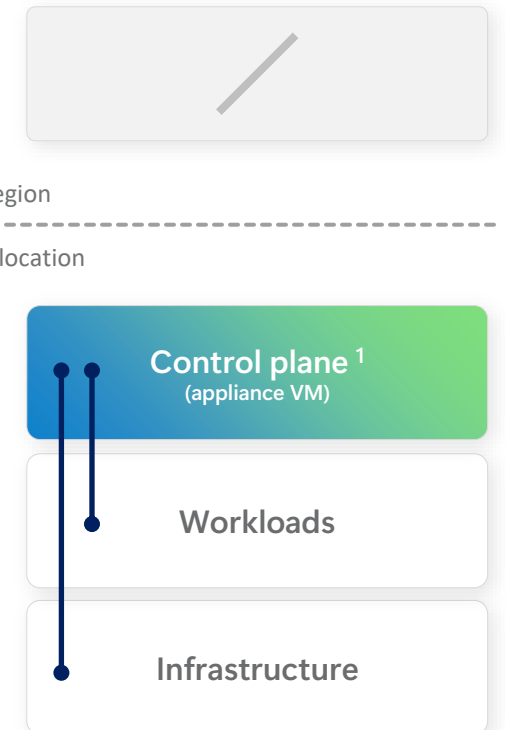
Podmnožina dostupných služieb:



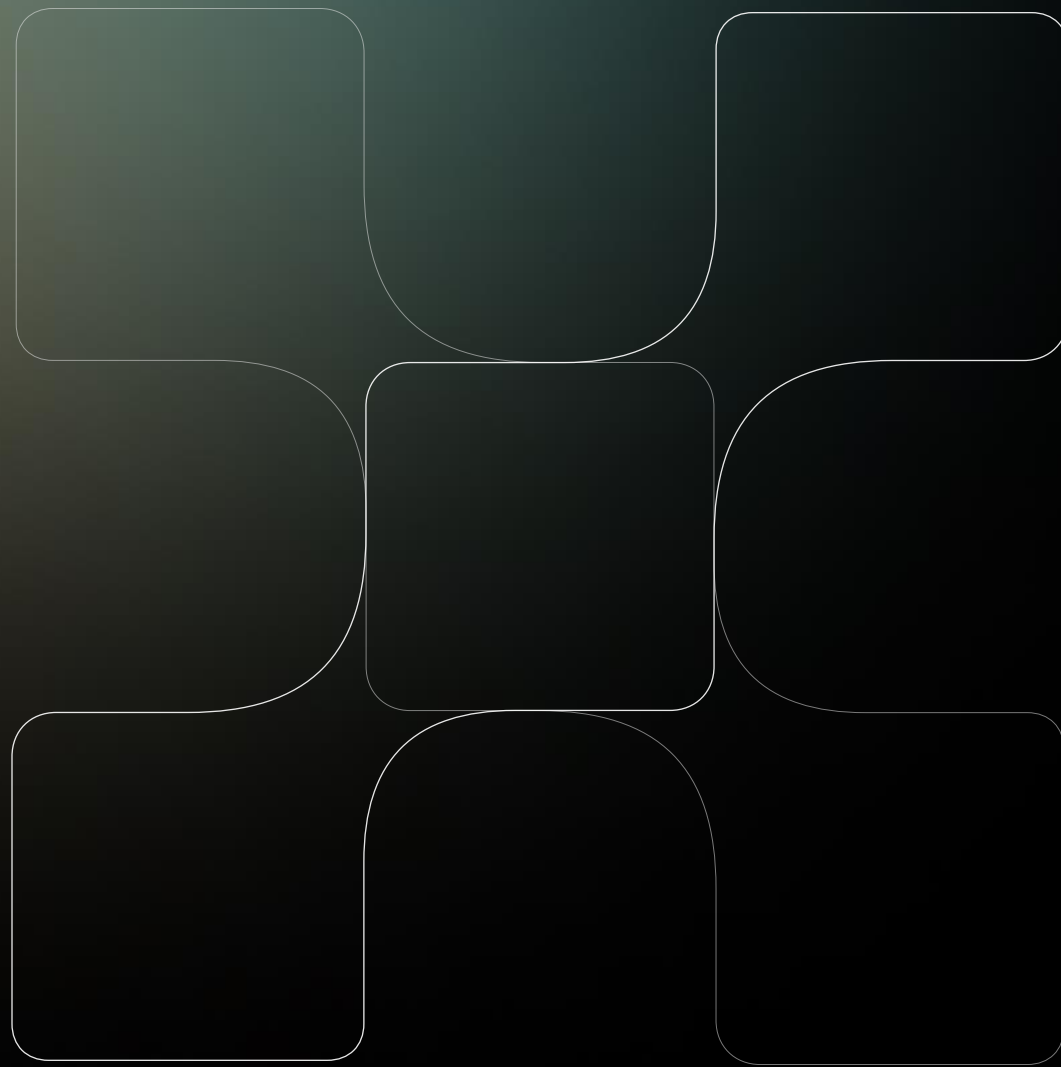
Azure Local (connected)



Azure Local disconnected



Ďakujeme!



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