

Azure Arc Show



Alexander Orth



Manfred Helber

27. Januar 2025 # 11:00 Uhr
Azure Arc Updates



Willkommen



News Ecke

Azure Update Manager: WSUS in the Cloud

Azure Update Manager: WSUS in the Cloud

In an on-premise environment you have your WSUS Server, which manages and governs all updates for your machines (server and clients). Since Microsoft is shifting its portfolio to the cloud, they had to shift their Windows Update services to. The management of updates for clients was integrated into Intune with the **Update rings** feature. The patching of servers was integrated into the IaaS-service “Automation Account”. This service was once called Update management. With the launch of “Azure Update Management” the old one was rebranded to Azure Automation Update Management. It’s kinda confusing, I know...

The **Azure Automation Update Manager** depended on the Azure Log Analytics agent, also known as the Microsoft Monitoring Agent (MMA), which retired in August 2024. Update Manager no longer depends on Azure Automation or an installation of an agent. It offers many new features and functionalities like zero on-boarding, Azure Policy support, granular access control, role-based access control, and enhanced flexibility. Thus, it is recommended to move as quickly as possible to Azure Update Manager.

Azure Update Manager is designed to manage and govern updates for all Windows Server OS as well as Linux OS, including those in Azure, on-premises, and other cloud platforms. It allows monitoring Windows and Linux update compliance from a single dashboard and make real-time updates or schedule them within a defined maintenance window.



You might also like

Microsoft To Enforce Multi-Factor Authentication For All Azure Users

May 24, 2024

Conditional Access Policy – Insider Risk (Preview)

March 22, 2024

Microsoft-Managed Conditional Access Policies

November 27, 2023

Accessing Brightness Toggle In Kiosk Mode For Android Enterprise Devices

October 17, 2024

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Pricing

Deployment

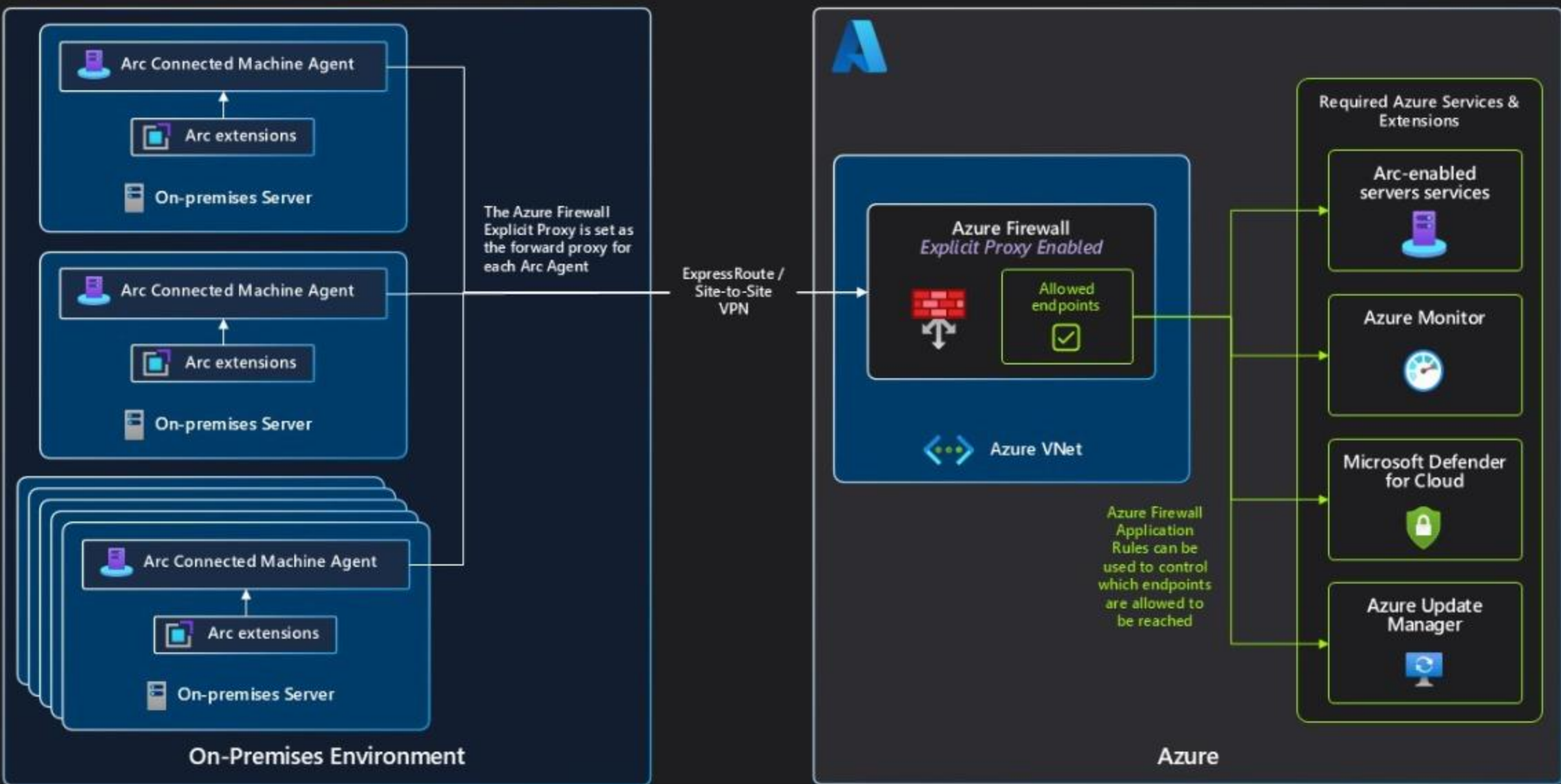
Define periodic assessments

Define the maintenance configuration


Windows Update service configuration

Alerting (Preview)

Accessing Arc Over Azure Firewall Explicit Proxy



[Azure Arc and hybrid @ What's new in Windows Server 2025 | Microsoft Learn](#)

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> Troubleshooting
> Resources

Azure Arc and hybrid

The following sections discuss Azure Arc and hybrid configurations.

Simplified Azure Arc Setup

Azure Arc Setup is a Feature on Demand, so it's installed by default. A user-friendly wizard interface and a system tray icon in the taskbar help to facilitate the process of adding servers to Azure Arc. Azure Arc extends the capabilities of the Azure platform so that you can create applications and services that can operate in diverse environments. These environments include datacenters, the edge, and multicloud environments and provide increased flexibility. To learn more, see [Connect Windows Server machines to Azure through Azure Arc Setup](#).

Pay-as-you-go licensing

The Azure Arc pay-as-you-go subscription licensing option is an alternative to the conventional perpetual licensing for Windows Server 2025. With the pay-as-you-go option, you can deploy a Windows Server device, license it, and pay for only as much as you use. This feature is facilitated through Azure Arc and billed via your Azure subscription. To learn more, see [Azure Arc pay-as-you-go licensing](#).

Windows Server Management enabled by Azure Arc

Windows Server Management enabled by Azure Arc offers new benefits to customers with Windows Server licenses that have active Software Assurance or Windows Server licenses that are active subscription licenses. Windows Server 2025 has the following key benefits:

- **Windows Admin Center in Azure Arc:** Integrates Azure Arc with Windows Admin Center so that you can manage your Windows Server instances from the Azure Arc portal. This integration provides a unified management experience for your Windows Server instances, whether they're running on-premises, in the cloud, or at the edge.
- **Remote Support:** Offers customers with professional support the ability to grant just-in-time access with detailed execution transcripts and revocation rights.
- **Best Practices Assessment:** Collection and analysis of server data generates issues and remediation guidance and performance improvements.
- **Azure Site Recovery Configuration:** Configuration of Azure Site Recovery ensures business continuity and provides replication and data resilience for critical workloads.

To learn more about Windows Server Management enabled by Azure Arc and the available benefits, see [Windows Server Management enabled by Azure Arc](#).

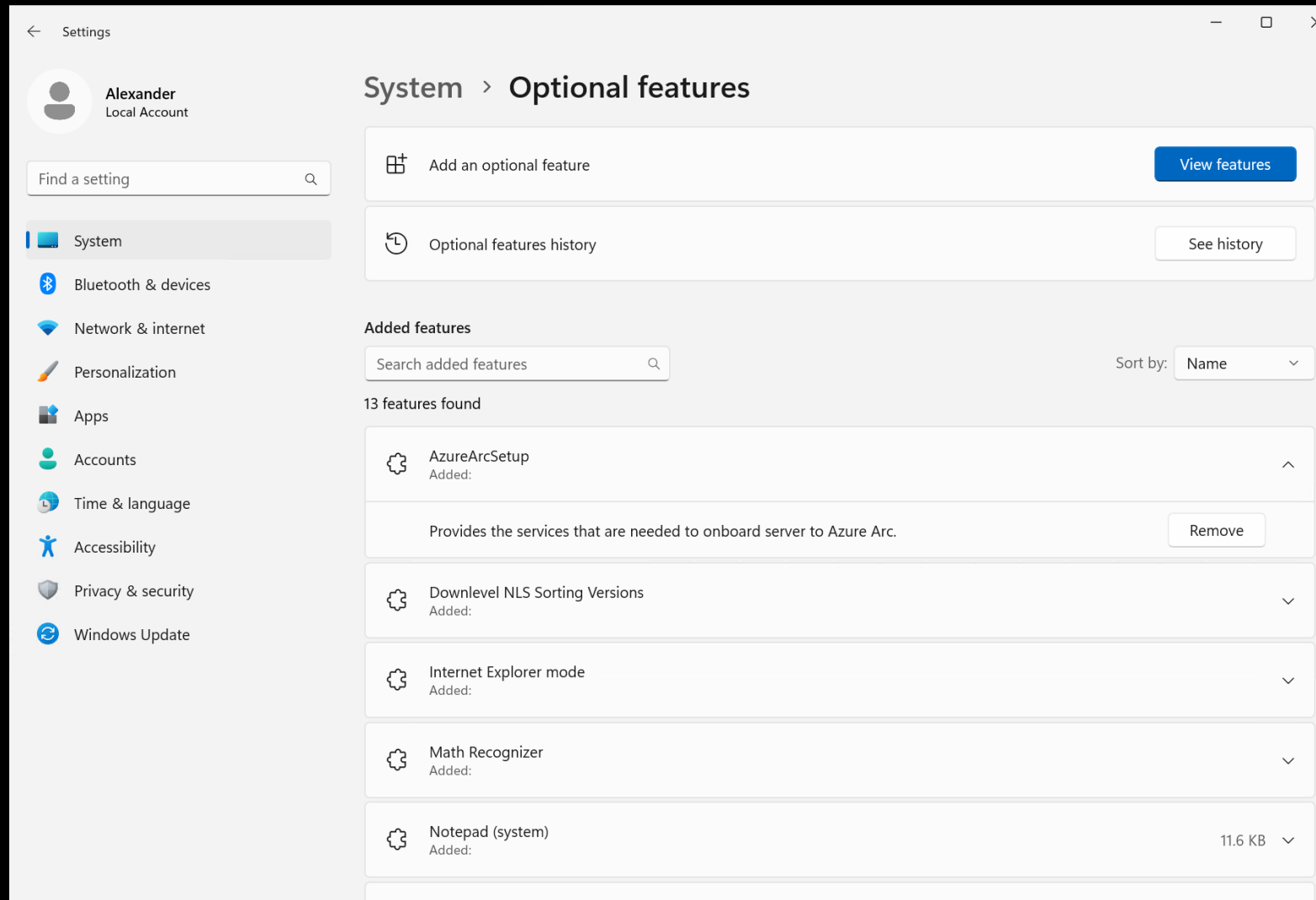
Remove Arc & WAC

Arc is required for:

- Hotpatching
- PAYG
- Windows Server Management with SA
- AUM

Azure Arc Setup

Remove-WindowsCapability -Name
"AzureArcSetup~~~~" -Online



Windows Admin Center Setup

Remove-WindowsFeature -Name
WindowsAdminCenterSetup

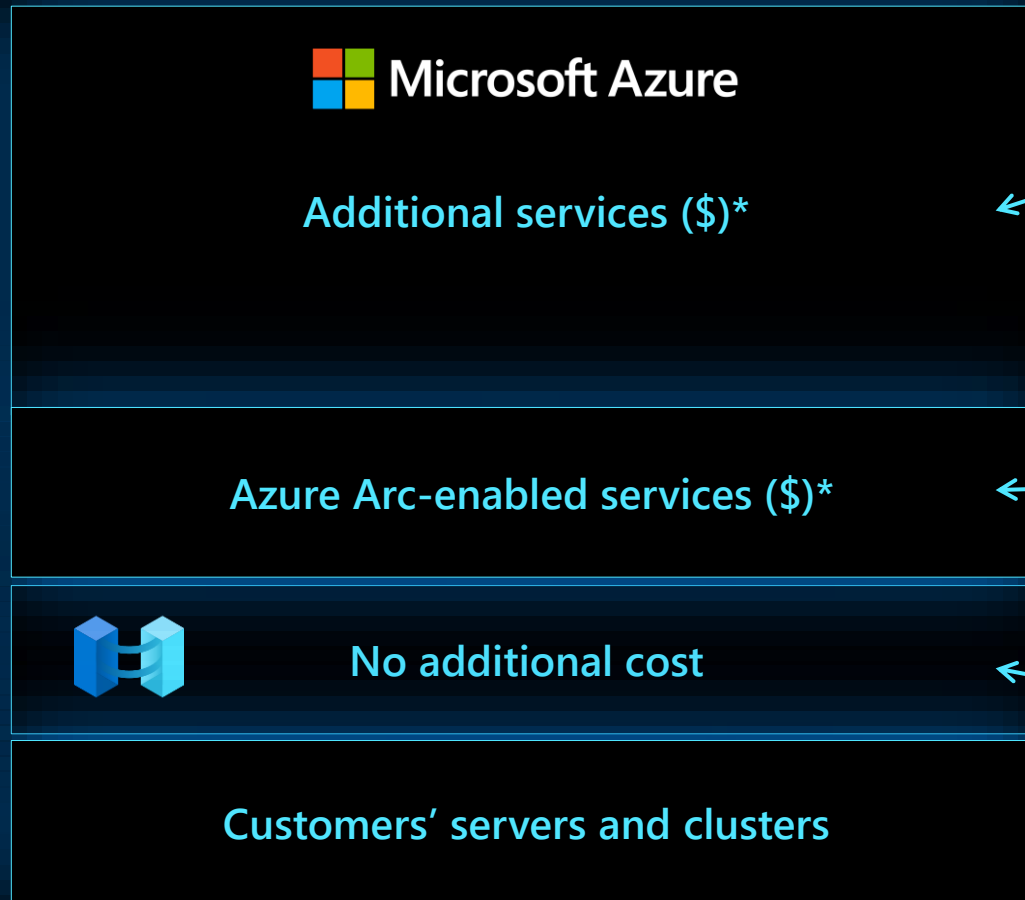


Lernkurve

Azure Arc Pricing ?!



Azure Arc pricing model



- Extended Security Updates by Arc**
- Azure Policy — Guest configuration**/**
- Azure Monitor
- Log Analytics
- Microsoft Defender for Cloud
- Azure Sentinel
- Azure Update Manager**/**
- GitOps management for Kubernetes
- Application Insights**
- Config and Change Management***
- WS2025 Hotpatching (preview)**


- SQL Managed Instance
- PostgreSQL (preview)
- Azure Machine Learning
- Container Apps (preview)
- Logic Apps
- IoT Operations


Control plane functionality:**/**


WAC***, tagging, management groups, activity logs, templates, Resource Graph, RBAC
Management/Operations of AzLocal Nodes

*Pricing for Azure Arc-enabled services and additional management services is consistent with Azure pricing. Services are available at no cost during preview.

Windows Server management enabled by Azure Arc capabilities

 Not Supported

 Supported

 Paid Service

		Customer Infrastructure				
		Built-in capabilities	Release Date	Windows Server without Azure Arc	Basic Azure Arc capabilities	Windows Server management enabled by Azure Arc
Azure Control Plane		Tagging and inventory management		✗	✓	✓
		Microsoft Entra ID Authentication		✗	✓	✓
		Role Based Access Control (RBAC)		✗	✓	✓
		Azure Resource Manager		✗	✓	✓
		Windows Admin Center PREVIEW	Preview	✓	✓	✓
		Azure Migrate Assessments & Business Case		✗	✓	✓
New Azure mgmt. capabilities for Windows Server SA customers*		Azure Change Tracking and Inventory**	GA	✗	✓ \$6/VM/month for both	✓ Will incur Logs Analytics Workspace cost
		Azure Policy Machine Guest Configuration	GA	✗	✓	✓
		Azure Update Manager	GA	✗	✓ \$5/VM/month	✓
		Best Practices Assessment PREVIEW**	Preview	✗	✗	✓ Will incur Logs Analytics Workspace cost
		Remote Support PREVIEW	Preview	✗	✗	✓
		Azure Site Recovery configuration PREVIEW**	Preview	✗	✗ ***	✓ \$25/VM/month
		Network HUD (WS 2025) PREVIEW	Preview	✗	✗	✓
		AccelNet (WS2025) PREVIEW	Preview	✗	✗	✓
Paid Azure services		Microsoft Copilot in Azure PREVIEW		✗	✓	✓
		Hotpatch, Microsoft Defender for Cloud, Azure Monitor, Microsoft Sentinel, ESUs + more		✗	✓ Pricing	✓ Pricing

*These capabilities are offered to customers with Windows Server Software Assurance at no additional cost.

**These services will likely incur Azure storage and compute costs, which will be charged to the customer.

***ASR Protection supported, but ASR Configuration Feature is exclusive to Windows Servers with SA

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Azure Arc pricing

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Azure Arc is a bridge that extends the Azure platform to help you build applications and services with the flexibility to run across datacenters, at the edge, and in multicloud environments.



Start with Azure Arc

General prep for Hybrid scenarios with Azure Arc

- Azure learning AZ-900, AZ-800/801, AZ-104
- Learning path „[Bring Azure innovation to your hybrid environments with Azure Arc](#)“
- Landing Zone [Introduction to Azure Arc landing zone accelerator for hybrid and multicloud - Cloud Adoption Framework | Microsoft Learn](#)

RBAC, Identity, Cost

Browse Azure Architectures

Find architecture diagrams and technology descriptions for reference architectures, real world examples of cloud architectures, and solution ideas for common workloads on Azure.

Filter

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Products

Find a product

- ☐ Azure
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- ☐ Azure ExpressRoute
- ☐ Azure IoT Edge

Categories

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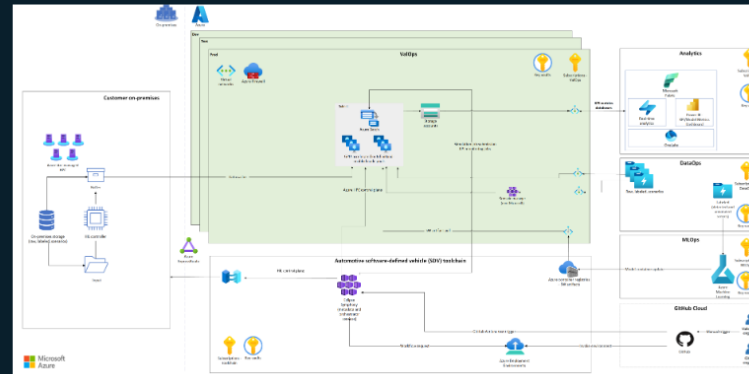
Search

Azure Arc X

13 results

ARCHITECTURE

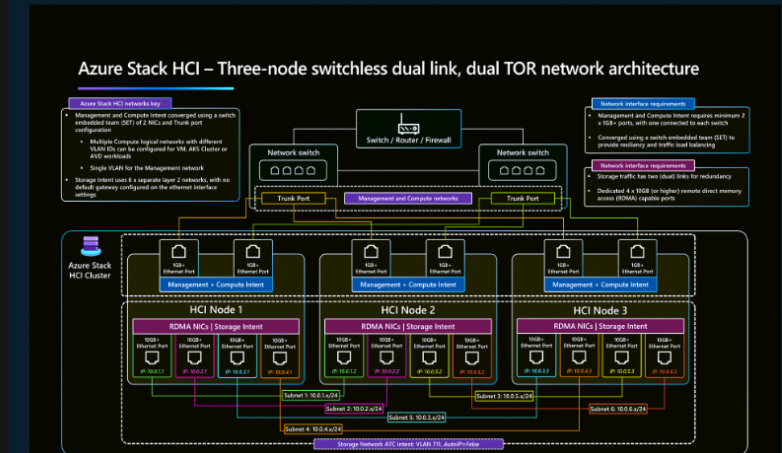
Validation operations for autonomous vehicle operations



Learn how to use Azure services to build a validation operations (ValOps) solution for an automated driving system.

ARCHITECTURE

Azure Stack HCI three-node storage switchless architecture



Introduction to Azure Arc landing zone accelerator for hybrid and multicloud

Article • 03/15/2023 • 19 contributors

Feedback

In this article

Why hybrid?

Prerequisites

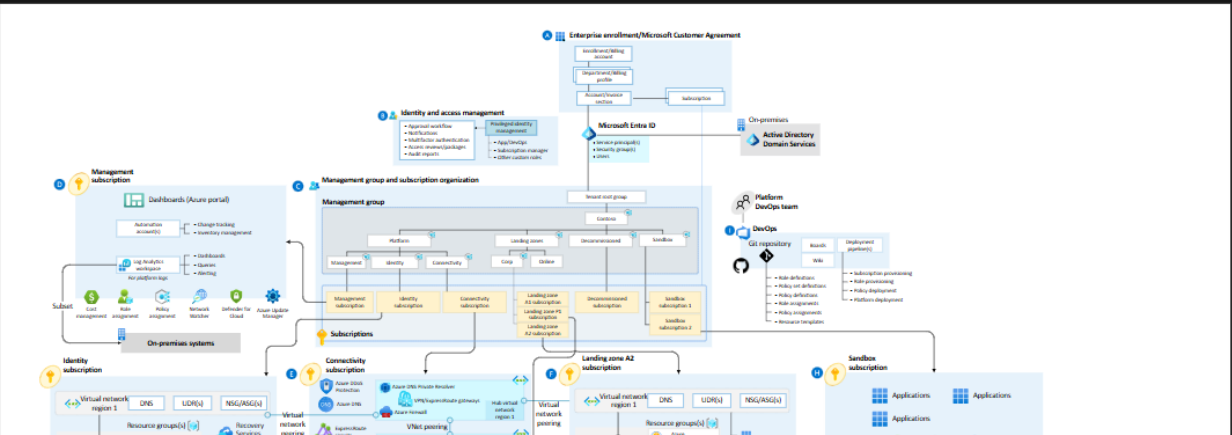
Azure Arc-enabled servers design guidelines

Azure Arc-enabled Kubernetes design guidelines

Show 2 more

Enterprises are currently building and running applications across various ecosystems on-premises, in multiple public clouds, and on the edge. When you're working in these distributed environments, it's critical that you find a way to ensure compliance and manage servers, applications, and data at scale while still maintaining agility.

[Azure landing zones](#) provides: A specific architectural approach. Reference architecture. Set of reference implementations that help you prepare your landing zones for mission-critical technology platforms and supported workloads.



Additional resources

Training

Learning path
[Bring Azure innovation to your hybrid environments with Azure Arc - Training](#)

Learn how to work with Azure Arc enabled servers, data services and Kubernetes.

Certification
[Microsoft Certified: Azure Database Administrator Associate - Certifications](#)

Administer an SQL Server database infrastructure for cloud, on-premises and hybrid relational databases using the Microsoft PaaS relational database offerings.

Documentation

[Resource organization for Azure Arc-enabled servers - Cloud Adoption Framework](#)

Evaluate how resources will be organized when working with Azure Arc-enabled servers

[Azure landing zone Azure Arc-enabled servers sandbox - Cloud Adoption Framework](#)

Learn how to deploy Azure landing zone Azure Arc-enabled servers sandbox to accelerate adoption of hybrid or multicloud architectures.

[Azure Arc-enabled server configurations - Azure Architecture Center](#)

Use Azure Arc to extend Azure Resource Manager capabilities to Windows and Linux machines on any infrastructure.

Show 5 more

DISCOVER

Arc Jumpstart

Get an Azure Arc environment up and running in no time—extensive, automated, and open-source.

[Get started](#)[View demos](#) 📄

EXPLORE

The Arc Jumpstart universe

[Azure Arc Jumpstart](#)



Fragen aus der Community



Ausblick & Events

28. bis 31. Januar 2025 virtuell

Microsoft Azure Tech Week: In 5 Schritten fit für KI

Bereiten Sie Ihr Unternehmen in 5 Schritten auf den Einsatz von Künstlicher Intelligenz vor – mit den passenden Bausteinen von Microsoft Azure.

In 12 praxisnahen Sessions finden Sie für jede Herausforderung die passende Lösung. Erfahren Sie, wie Sie Ihre IT-Landschaft modernisieren, die Cloud-Migration effizient umsetzen und durch KI-Lösungen Wettbewerbsvorteile erzielen.

Entdecken Sie die neuesten Azure-Technologien, optimieren Sie Ihre Datenstrategie und steigern Sie die Produktivität Ihrer Entwickler*innen – ganz bequem und virtuell.

[Jetzt anmelden](#)

[Zur Agenda >](#)

12:30 – 14:00

KI-gestütztes Cloud-Management: So optimiert Azure Arc Ihre Infrastruktur

Tag 2

Alexander Orth, SR Specialist GBB, Microsoft
Lars Fischer, Cloud Solution Architect, Microsoft

Erleben Sie, wie Azure Arc Ihre IT-Ressourcen zentral über alle Umgebungen hinweg – On-Premises, Hybrid, Multi-Cloud und Edge – verwaltet. Unsere Expert*innen zeigen, wie Sie mit einer Adaptive Cloud-Strategie Kosten senken, Compliance-Anforderungen erfüllen und KI-Dienste nahtlos integrieren. Lernen Sie anhand von Demos und Praxisbeispielen aus verschiedenen Branchen, wie Azure Arc die Verwaltung Ihrer Infrastruktur vereinfacht, Sicherheitslösungen bietet und Innovationen beschleunigt.

[Zur Session anmelden >](#)



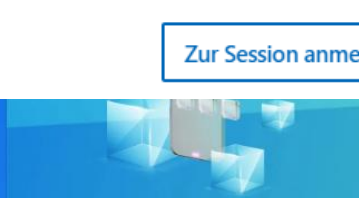
Cloud

Schaffen Sie mit Azure die Grundlage für Ihre KI-Strategie



Daten

Nutzen Sie das volle Potential Ihrer Daten für Ihre KI-Lösungen



Apps

Von der Idee zur intelligenten Anwendung – alles mit Microsoft Azure



Sicherheit

Compliance und Sicherheit als Fundament Ihrer KI-Strategie



Entwicklung

Tipps & Tricks für GitHub Copilot und Co.



[Microsoft Azure Tech Week | 28. bis 31. Januar 2025](#)

MicroHack

Hands-On mit Azure in a Day

Technische Hands-On-Workshops begleitet von Azure-Spezialisten und Cloud-Experten zu einem von Ihnen ausgewählten Thema.

[Anfragen](#)[Termine](#)[GitHub](#)

Microsoft Events - Microsoft Azure MicroHack Day - Berlin

Präsenzveranstaltung

Microsoft Azure MicroHack Day - Berlin

Wann: Donnerstag, 27. Februar 2025, 9:00 Uhr – 18:00 Uhr

Wo: 10117 Berlin

Jetzt anmelden

Erleben Sie in dieser kostenfreien, exklusiven Veranstaltung die zukunftsweisende Cloud-Strategie von Microsoft aus erster Hand. Entdecken Sie, wie **Microsoft Azure** Ihnen ermöglicht, Überwachungsdaten aus komplexen Cloud- und On-Premises-Umgebungen effizient zu sammeln, zu analysieren und darauf proaktiv zu reagieren.

Nach einer kurzen Einführung geht es direkt in die Praxis: Im **Hands-On MicroHack** konfigurieren und implementieren Sie ein spezifisches Azure-Thema oder Produkt in einem realitätsnahen Szenario. Nutzen Sie die Gelegenheit, tief in die Azure-Technologien einzutauchen, praxisnahe Erfahrungen zu sammeln und Ihre technischen Fähigkeiten zu erweitern.

Zielgruppe:

- IT-Expert*innen und Administrator*innen
- IT-Entscheidungsträger*innen

Technisches Niveau:

Dies ist ein Grundlagenkurs. Die teilnehmenden Personen sollten sich schon mal mit Azure oder dem Azure Portal beschäftigt haben und offen sein, sich mehr damit beschäftigen zu wollen.

Mögliche MicroHack Themen:

Vorname *

Nachname *

E-Mail-Adresse *

Telefonnummer *

Ländercode *

Aufgabengebiet *

Name des Unternehmens *



MVP Microsoft®
Most Valuable
Professional

Hybrid Show



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Professional

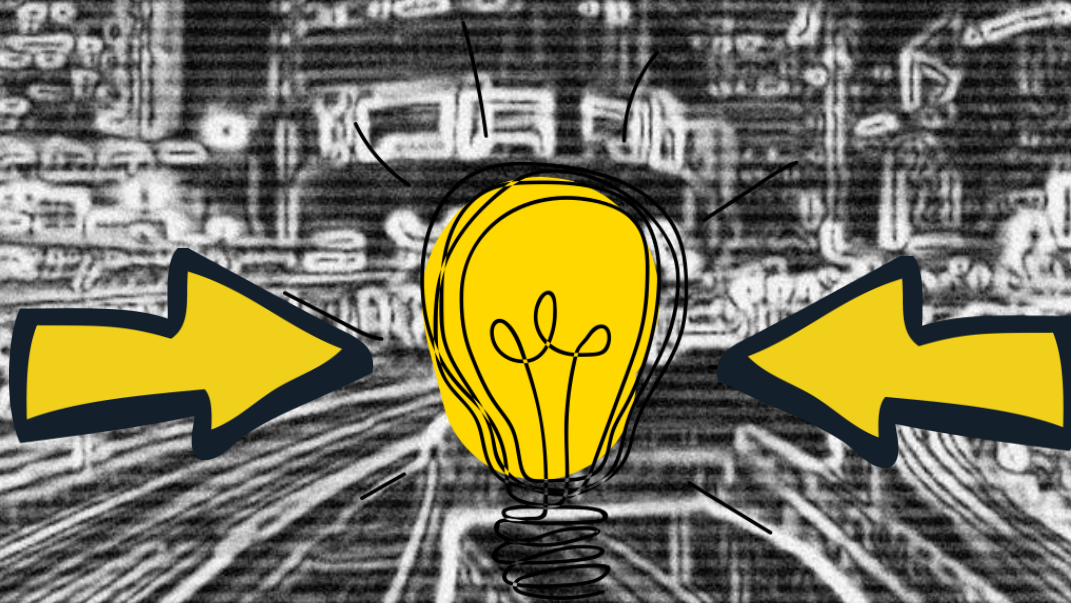
PRIVATE

HYBRID

PUBLIC

31.01.2025 | 10:00 Uhr

Azure Local Show




Manfred Helber

MVP Cloud and Datacenter
Trainer and Consultant
Manfred Helber GmbH

Next Show: 27.09.2024
12:00 pm

Sven Langenfeld

Azure Stack HCI
Commercial Sales Specialist
Microsoft DACH



Alexander Ortha • You


Adaptive Cloud with Azure Arc combine the power of Azure into environment...
 1w •

My YouTube channel becomes a bit of optimization. There is now a playlist for the [#AzureArcShow](#) available. Together with [Manfred Helber](#) we will continue with the show in the next couple of days.

Stay tuned for new content around [#AzureArc](#) [#AdaptiveCloud](#) [#AzureHybrid](#) [#AzureStackHCI](#)


If you want to look at the existing videos from the [#AzureArcShow](#), have a look here https://lnkd.in/dVeP54_M

[Nils Bankert](#) [Dino Bordonaro](#) [Lars Fischer](#) [André Fischer](#) [Manfred Helber](#)



Azure Arc Show
 youtube.com

https://www.linkedin.com/posts/alexanderortha_azure-arc-show-activity-7237098420920844289-p5jq



Die Azure Arc Show
 10. April 2024 • 15:00 Uhr
 Azure Arc Update


Azure Arc Show

Alexander Ortha
 Öffentlich
 19 Videos • 39 Aufrufe • Zuletzt am 04.09.2024 aktualisiert

Alle abspielen
 Zufallsmix


Videos von der Azure Arc Show
 gemeinsam mit Manfred Helber, MVP

Sortieren




Die Azure Arc Show
 11. April 2024 • 15:00 Uhr
 Azure Arc Update
 54:15

Azure Arc Show #19
 Alexander Ortha • 21 Aufrufe • vor 5 Monaten gestreamt




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Azure Arc Show #18
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Die Azure Arc Show
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 1:00:30

Azure Arc Show #17
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Die Azure Arc Show
 11. April 2024 • 15:00 Uhr
 Azure Arc Update
 1:00:32

Azure Arc Show #16
 Alexander Ortha • 6 Aufrufe • vor 9 Monaten gestreamt



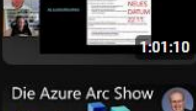
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 1:01:52

Azure Arc Show #15
 Alexander Ortha • 3 Aufrufe • vor 10 Monaten gestreamt




Die Azure Arc Show
 11. April 2024 • 15:00 Uhr
 Azure Arc Update
 1:01:29

Azure Arc Show #14
 Alexander Ortha • 2 Aufrufe • vor 11 Monaten gestreamt




Die Azure Arc Show
 11. April 2024 • 15:00 Uhr
 Azure Arc Update
 1:01:10

Azure Arc Show #13
 Alexander Ortha • 1 Aufruf • vor 1 Jahr gestreamt




Die Azure Arc Show
 11. April 2024 • 15:00 Uhr
 Azure Arc Update
 59:46

Azure Arc Show #12
 Alexander Ortha • 8 Aufrufe • vor 1 Jahr gestreamt



Die Azure Arc Show
 11. April 2024 • 15:00 Uhr
 Azure Arc Update
 53:24

Azure Arc Show #11
 Alexander Ortha • 2 Aufrufe • vor 1 Jahr gestreamt



Die Azure Arc Show
 11. April 2024 • 15:00 Uhr
 Azure Arc Update
 1:00:00

Azure Arc Show #10
 Alexander Ortha • 13 Aufrufe • vor 1 Jahr gestreamt

Die Azure Arc Show
 11. April 2024 • 15:00 Uhr
 Azure Arc Update
 1:00:00

Azure Arc Show #9
 Alexander Ortha • 13 Aufrufe • vor 1 Jahr gestreamt

Die Azure Arc Show



Alexander Ortha



Manfred Helber

Nächster Termin:

tbd



Vielen Dank!