Die Azure Arc Show

Alexander Ortha

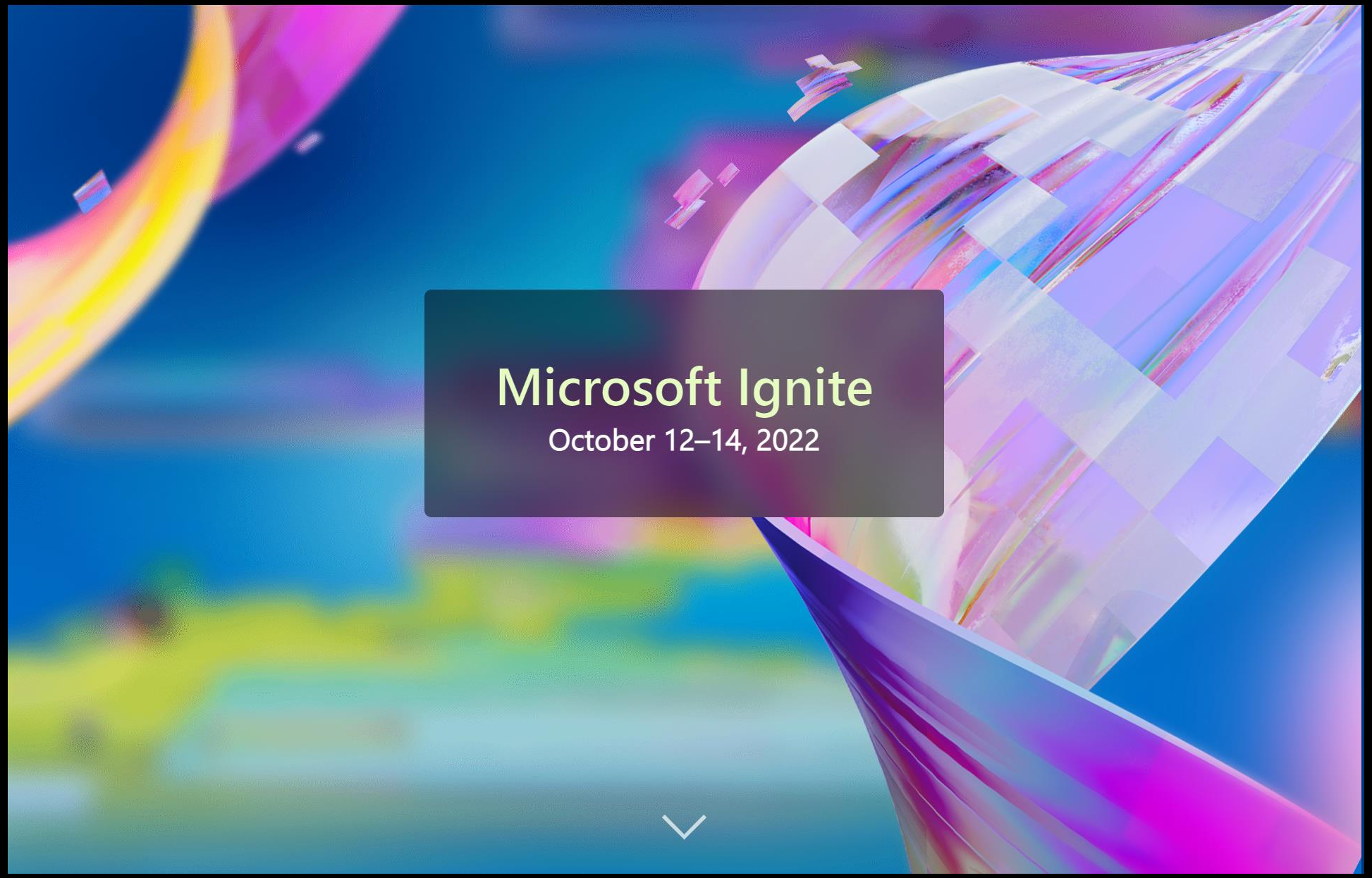
Manfred Helber

07. November 2022 # 13 Uhr

Azure Arc, Ignite & Monitoring

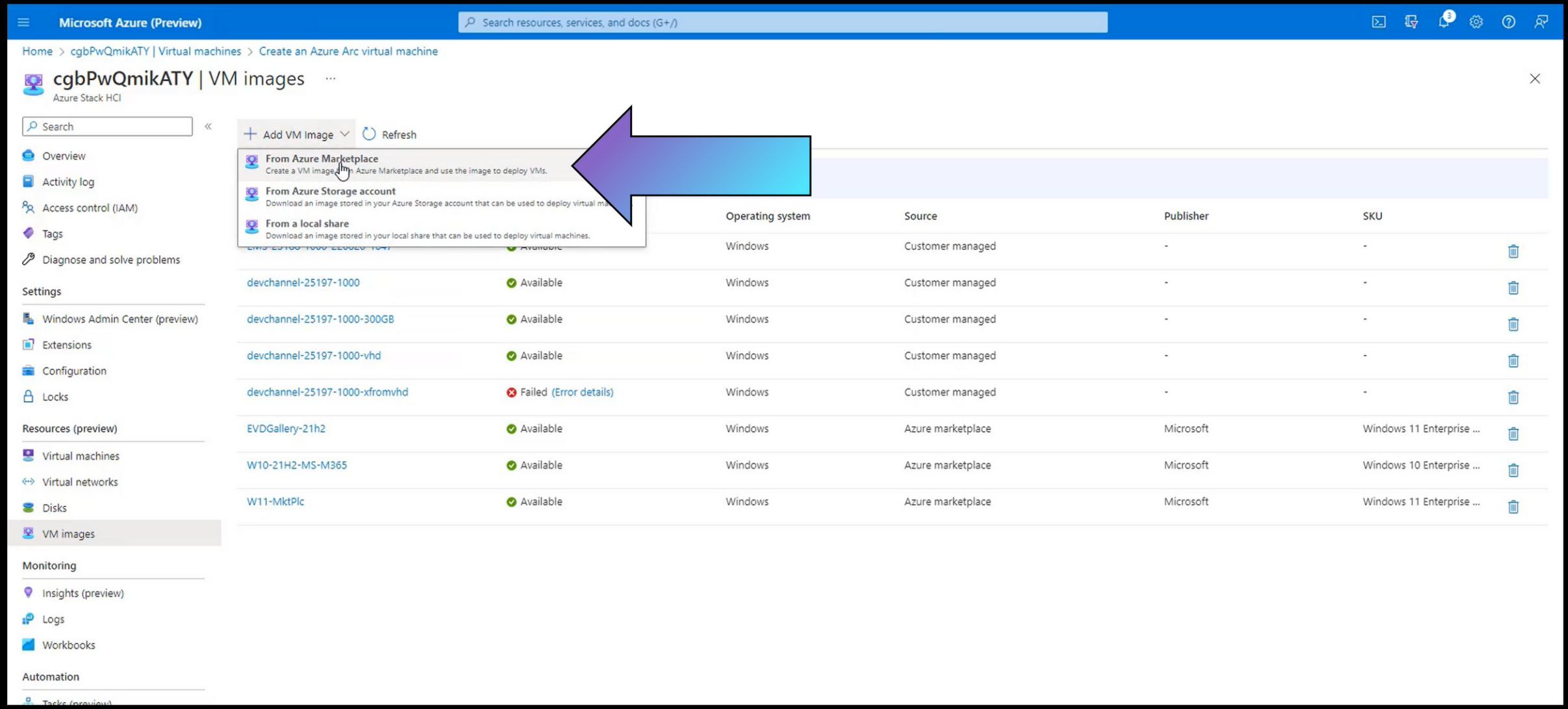
Willkommen

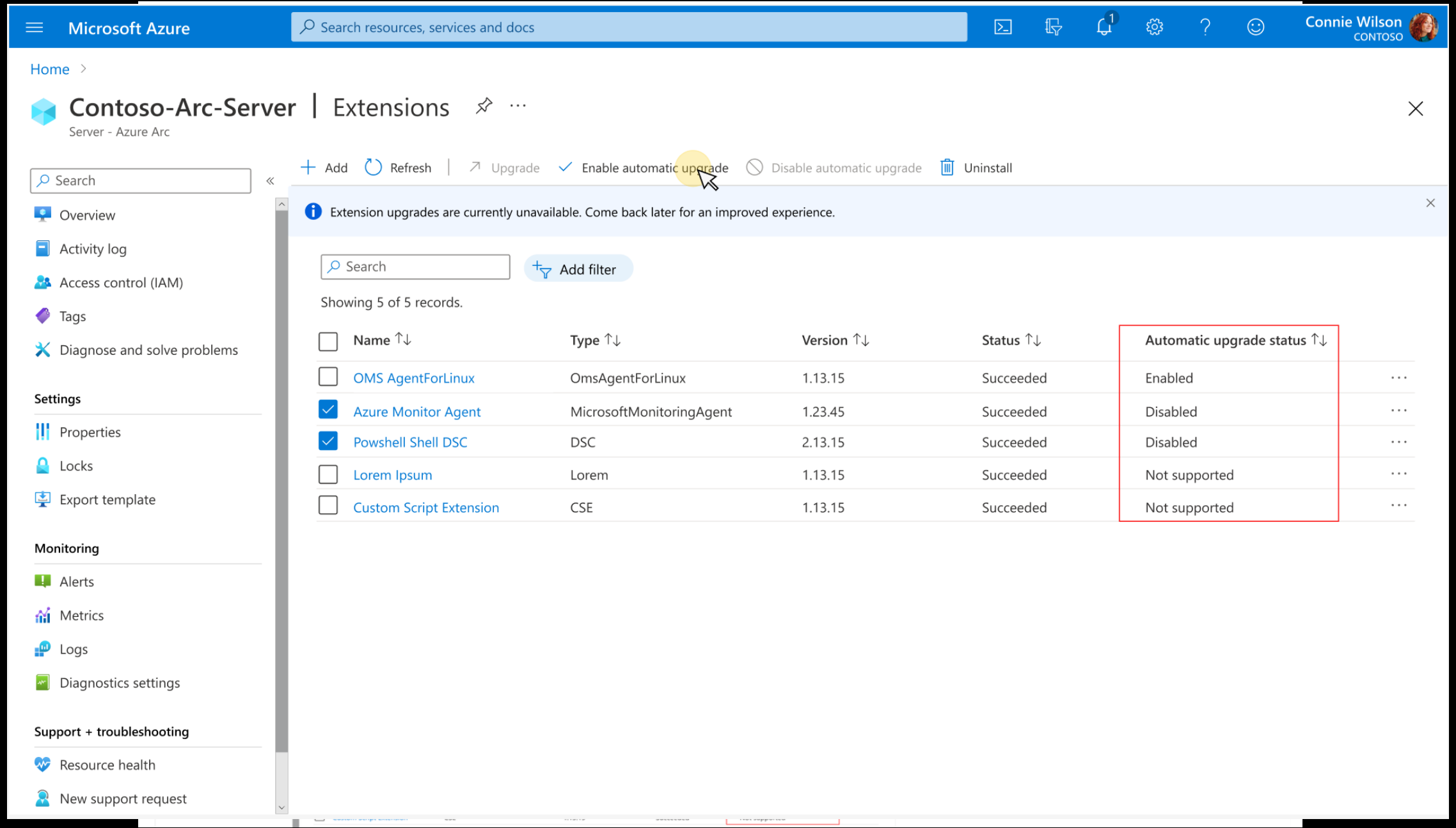
News Ecke



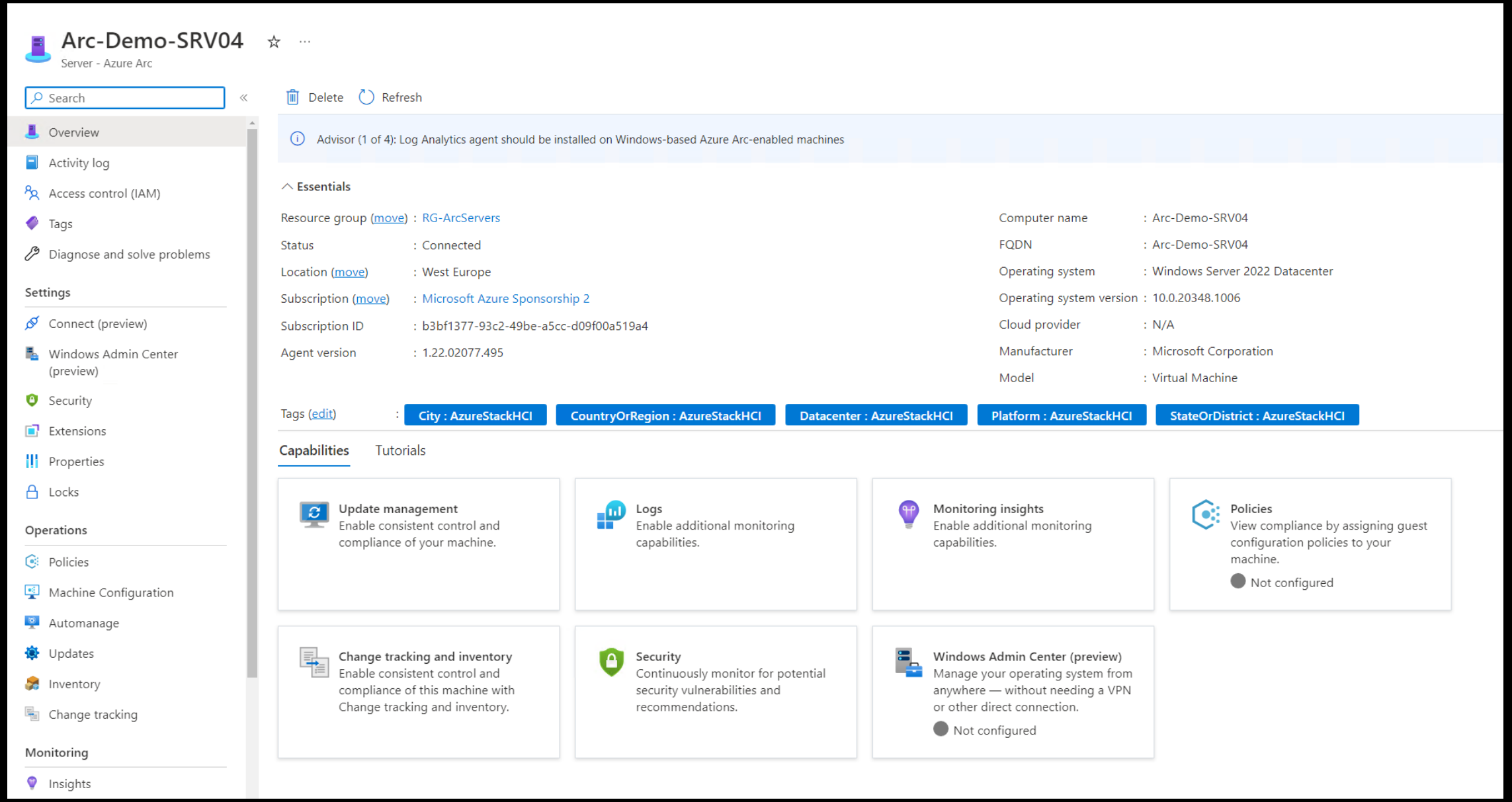
Your home for Microsoft Ignite

➢Azure Arc-enabled VM management: Public Preview 2





[Automatic extension upgrade for Azure Arc-enabled servers is now generally available (microsoft.com)]



[Generally available: Azure Automanage for Azure Virtual Machines and Arc-enabled servers | Azure updates | Microsoft Azure]

With this Public Preview through CLI, Portal or ARM:

- Create/list/show AKS hybrid preview clusters
- Give users access to Azure Resource Manager resources like AKS hybrid clusters, nodepools and vnet object through Azure RBAC
- Access the AKS hybrid cluster using kubectl and your Azure AD identity
- Add/list/show Linux and Windows nodepools on your AKS hybrid cluster
- Delete your AKS hybrid clusters and nodepools

Use the Azure Arc Resource Bridge

[Overview of AKS hybrid cluster provisioning from Azure (preview) - AKS hybrid | Microsoft Learn]

Overview of AKS hybrid cluster provisioning from Azure (preview)

Article • 10/25/2022 • 3 minutes to read • 2 contributors

Feedback

Currently you can manage the lifecycle of AKS on Azure Stack HCI or AKS on Windows Server clusters through PowerShell and Windows Admin Center. AKS hybrid cluster provisioning from Azure enables you to use familiar tools like the Azure portal, Azure CLI and Azure Resource Manager templates to create and manage your AKS hybrid clusters running on Azure Stack HCI and Windows Server. Azure Arc is automatically enabled on all your AKS hybrid clusters so you can use your Azure AD identity for connecting to your clusters from anywhere. This ensures your developers and application operators can provision and configure Kubernetes clusters in accordance with company policies. We've also simplified the end-to-end security posture for your AKS hybrid clusters through Microsoft Defender for Cloud.

We continue to focus on delivering a consistent user experience for all your AKS clusters. If you have created and managed AKS using Azure, you'll feel right at home managing AKS hybrid clusters on Windows Server or Azure Stack HCI with familiar Azure portal or Azure CLI management experiences.

You'll also be able to deploy applications at scale using GitOps in both AKS and AKS hybrid clusters. GitOps applies development practices like version control, collaboration, compliance, and continuous integration/continuous deployment (CI/CD) to infrastructure automation.

At this time, you can perform the following operations through the Azure portal, Azure CLI and Resource Manager templates:

- Create/list/show AKS hybrid preview clusters
- Give users access to Azure Resource Manager resources like AKS hybrid clusters, nodepools and vnet object through Azure RBAC
- Access the AKS hybrid cluster using kubectl and your Azure AD identity
- Add/list/show Linux and Windows nodepools on your AKS hybrid cluster
- Delete your AKS hybrid clusters and nodepools

Ansible and Azure Arc-enabled servers are better together.

By aurnovcy

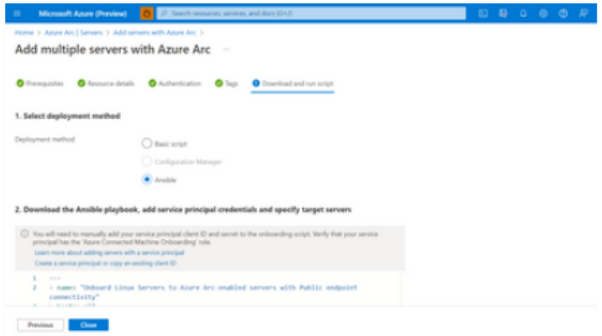
Published Oct 31 2022 10:19 AM 842 Views

It's not a question of Ansible or Azure Arc. Customers are leveraging Ansible and Azure Arc-enabled servers in tandem as they blend Ansible automation and governance with Azure security and monitoring. From onboarding to Azure Arc using Ansible playbooks to managing Arc-enabled servers using Ansible Automation platform to delivering key Arc scenarios using Ansible, Azure Arc meets Ansible users in their tool of choice. Layering Ansible with Azure Arc, IT admins can extend Azure's observability and cybersecurity capabilities from cloud to edge.

Onboard machines to Azure Arc-enabled servers at scale using Ansible Playbooks.

Using Ansible playbooks, customers have another customizable and scalable approach to onboard their non-Azure machines to Azure Arc-enabled servers. This method leverages a service principal. A service principal is a limited management identity that has only the minimum permission necessary to connect machines to Azure Arc. This reduces the need to interactively provide credentials for each machine onboarded to Azure Arc and is safer than using a more privileged account.

After supplying information about the Arc-enabled server, including its subscription, resou
Windows or Linux and to the selected connectivity mode (public, proxy, and private link). S



[Ansible and Azure Arc-enabled servers are better together. (microsoft.com)]

Home > Azure Arc | Servers > Add servers with Azure Arc >

Add multiple servers with Azure Arc

Prerequisites Resource details Authentication Tags 5 Download and run script

1. Select deployment method

Deployment method

- (•) Basic script
- ( ) Configuration Manager
- ( ) Ansible

Lernkurve rund um Azure Arc

Thema:
Arc enabled Servers – nach dem Onboarding (Log Analytics & Monitoring)

Azure Arc-enabled infrastructure

Bring on-premises and multi-cloud infrastructure to Azure

Azure Arc-enabled servers

Windows Server

suse

Red Hat

aws

AWS Linux 2

GENERALLY AVAILABLE

SQL Server on Arc-enabled servers

GENERALLY AVAILABLE

Azure Arc-enabled Kubernetes

CANONICAL

RANCHER

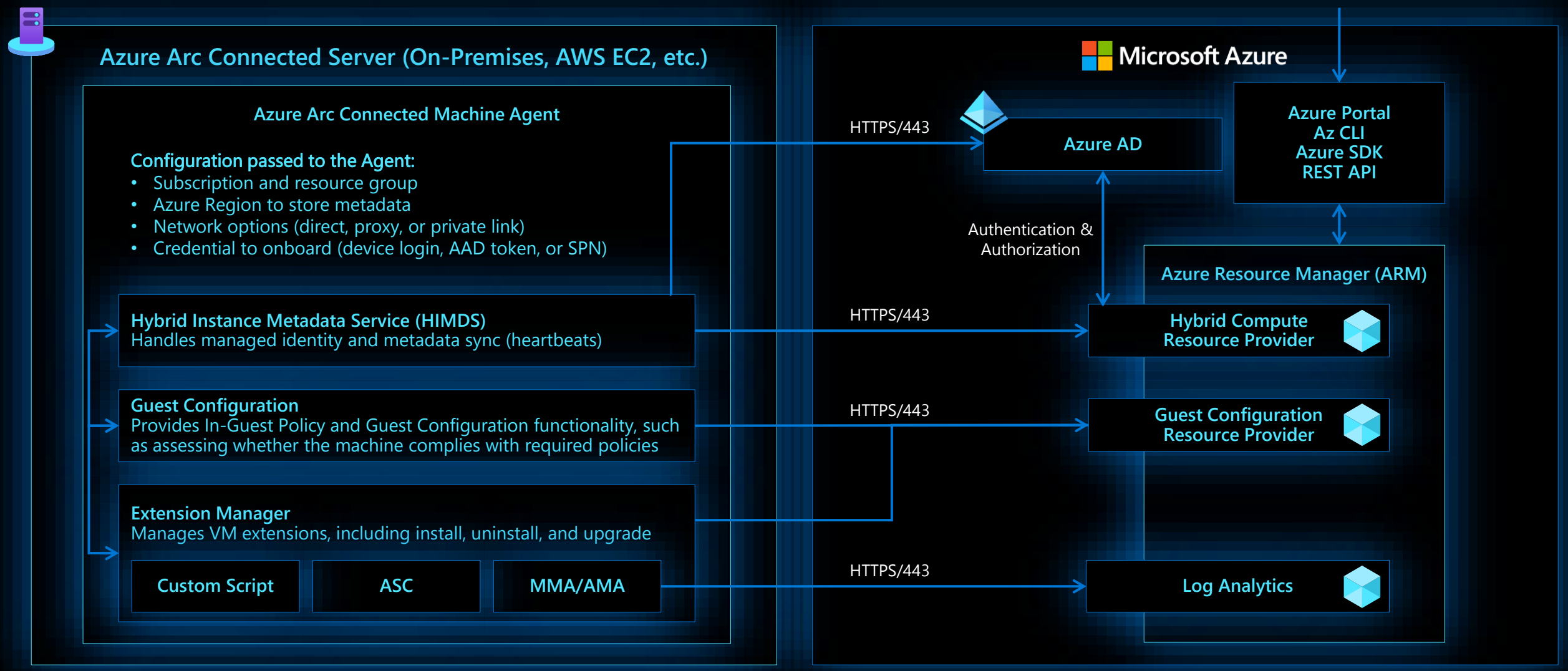
OpenShift

AKS on Azure Stack HCI

GENERALLY AVAILABLE

Azure Arc-enabled servers

Connected Machine Agent



Azure Arc Servers VM Extensions

- Microsoft Defender for Cloud
- Microsoft Antimalware extension
- Custom Script extension
- Log Analytics agent
- Azure Monitor for VMs (insights)
- Azure Key Vault Certificate Sync
- Azure Monitor Agent
- Azure Extension for SQL Server
- Azure Automation Hybrid Runbook Worker extension (preview)
- Windows Admin Center (preview)

VM extension management with Azure Arc-enabled servers - Azure Arc | Microsoft Docs

Microsoft

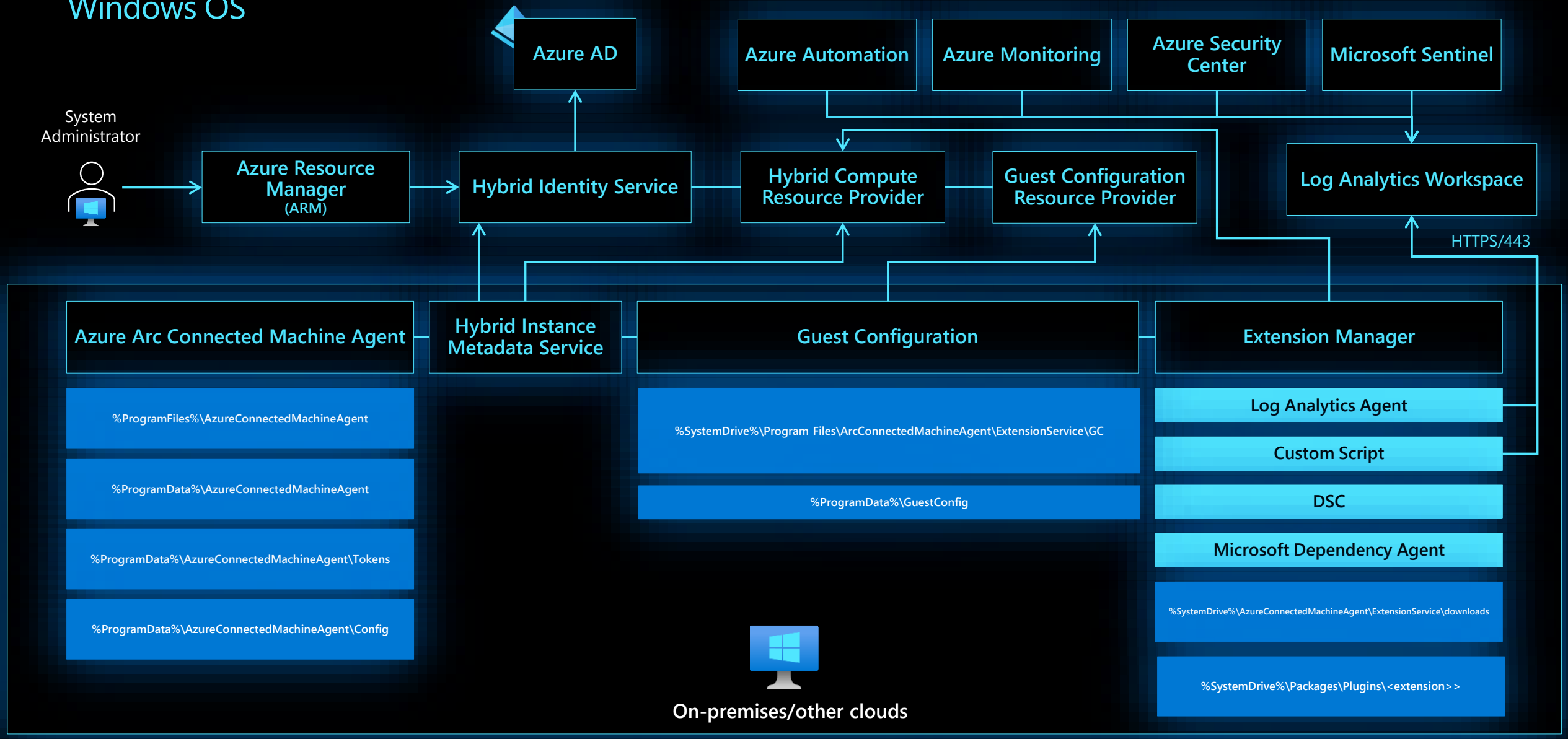
DEMO

Arc-enabled Server – VM Extensions

Portal vs. CLI/PSH

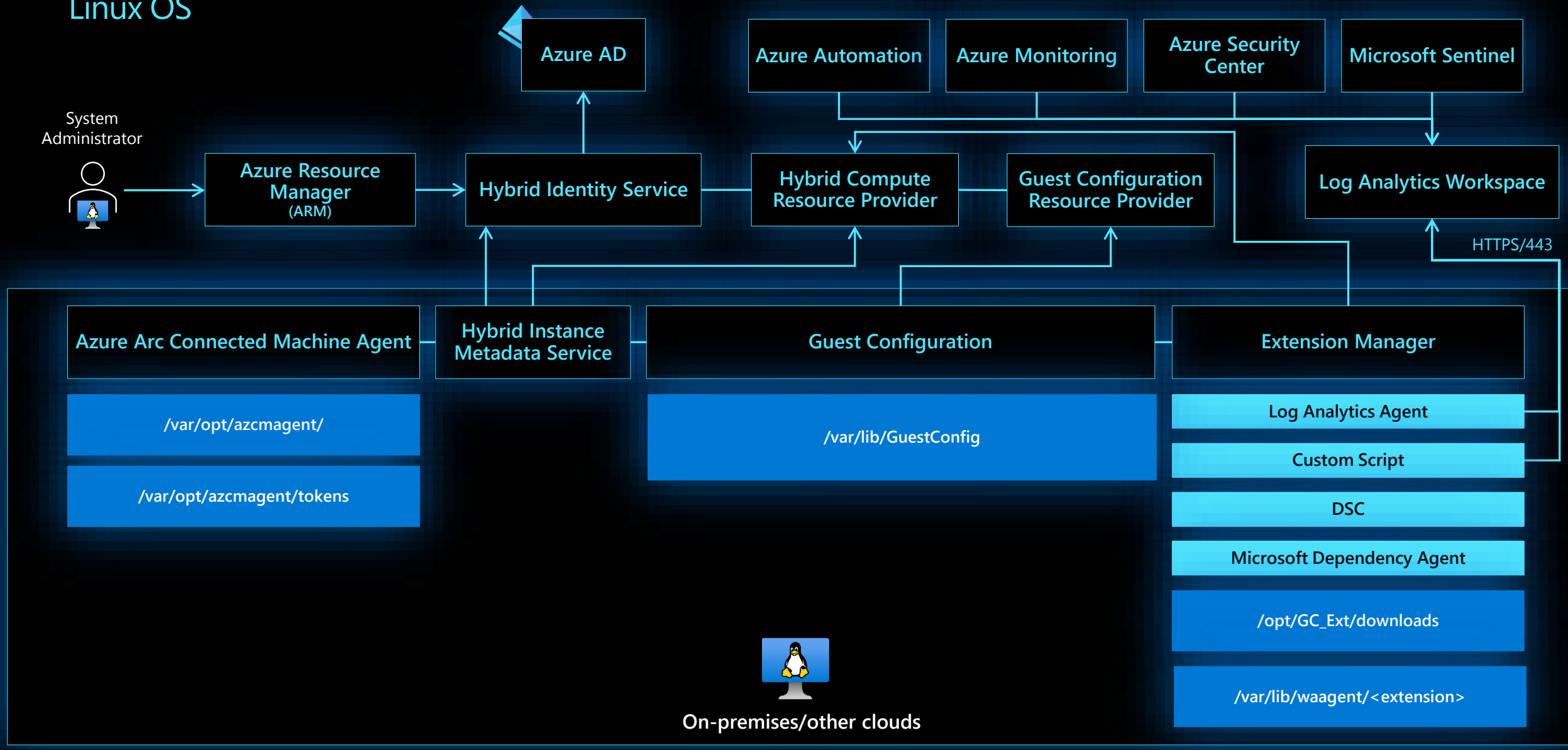
Azure Arc-enabled servers architecture

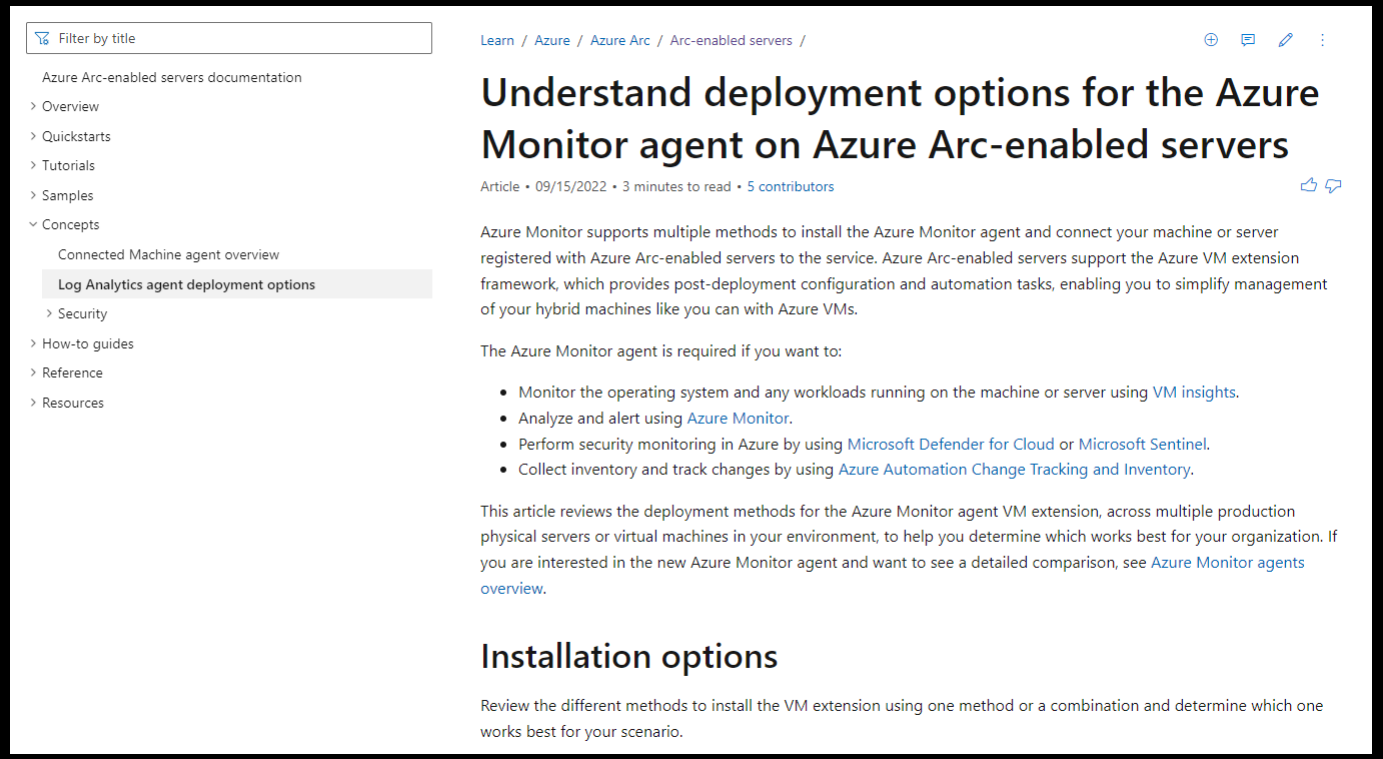
Windows OS



Azure Arc-enabled servers architecture

Linux OS





Filter by title

Azure Arc-enabled servers documentation
- Overview
- Quickstarts
- Tutorials
- Samples
- Concepts
  - Connected Machine agent overview
  - Log Analytics agent deployment options
  - Security
- How-to guides
- Reference
- Resources

Learn / Azure / Azure Arc / Arc-enabled servers /

Understand deployment options for the Azure Monitor agent on Azure Arc-enabled servers

Article • 09/15/2022 • 3 minutes to read • 5 contributors

Azure Monitor supports multiple methods to install the Azure Monitor agent and connect your machine or server registered with Azure Arc-enabled servers to the service. Azure Arc-enabled servers support the Azure VM extension framework, which provides post-deployment configuration and automation tasks, enabling you to simplify management of your hybrid machines like you can with Azure VMs.

The Azure Monitor agent is required if you want to:

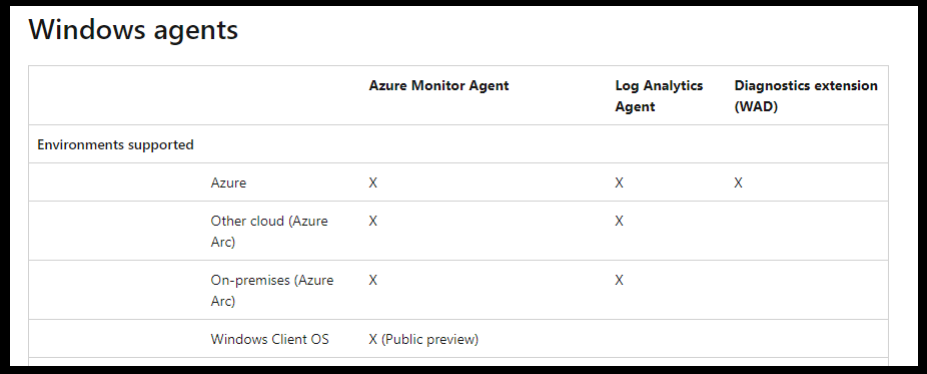
- Monitor the operating system and any workloads running on the machine or server using VM insights.
- Analyze and alert using Azure Monitor.
- Perform security monitoring in Azure by using Microsoft Defender for Cloud or Microsoft Sentinel.
- Collect inventory and track changes by using Azure Automation Change Tracking and Inventory.

This article reviews the deployment methods for the Azure Monitor agent VM extension, across multiple production physical servers or virtual machines in your environment, to help you determine which works best for your organization. If you are interested in the new Azure Monitor agent and want to see a detailed comparison, see Azure Monitor agents overview.

Installation options

Review the different methods to install the VM extension using one method or a combination and determine which one works best for your scenario.

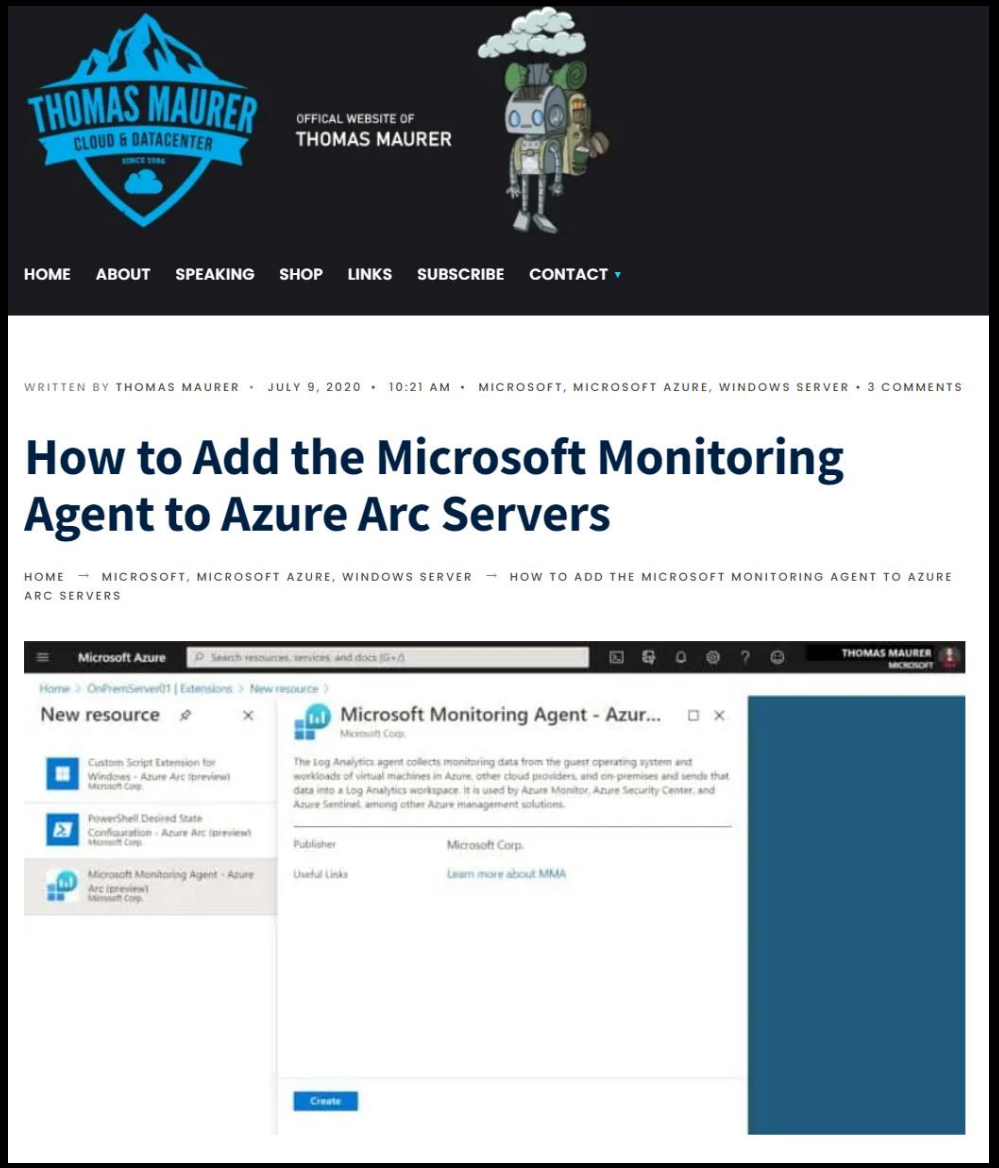
[Deploy Azure Monitor agent on Arc-enabled servers - Azure Arc | Microsoft Learn]



Windows agents

		Azure Monitor Agent	Log Analytics Agent	Diagnostics extension (WAD)
Environments supported				
	Azure	X	X	X
	Other cloud (Azure Arc)	X	X	
	On-premises (Azure Arc)	X	X	
	Windows Client OS	X (Public preview)		

[Azure Monitor Agent overview - Azure Monitor | Microsoft Learn]



[How to Add the Microsoft Monitoring Agent to Azure Arc Servers - Thomas Maurer]

Fragen aus der Community

Ausblick & Events

Upcomming events

- Azure Architects Connect Serie zum Thema „Hybrid- / Multi Cloud & Security“, Sept. 2022, Recording & Slides are available at Azure Architects Connect | Groups | LinkedIn

- Azure Hybrid Cloud Insights Series, **Dec. 02th**., registration here

- Hybrid Bootcamp for Partners, Nov. 14th at Microsoft Office Munich → bei Interesse bitte melden

- (Safe the date) Hybrid Event inkl. MicroHack, Jan. 31 2023 at Microsoft Office Munich.

WBSC # SKILLS

September 2022:
Azure Arc

WBSC
Windows Business
Solutions Club

Manfred Helber

5. September 2022, 10.00 Uhr
Grundlagen zu Azure Arc

12. September 2022, 10.00 Uhr
Azure Arc im Zusammenspiel mit Windows Server

19. September 2022, 10.00 Uhr
Azure Arc und Azure Stack HCI

26. September 2022, 10.00 Uhr
Weitere Möglichkeiten mit Azure Arc

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live über YouTube

WBSC
Windows Business Solutions Club

WBSC#WEBDAY

Das Online-Schulungs-Format

17. November 2022
10.00 bis 17.30 Uhr

Klick and Stream

Storage Spaces Direct

hybrid

Azure Virtual Desktop

Windows Server 2022

Azure Stack HCI

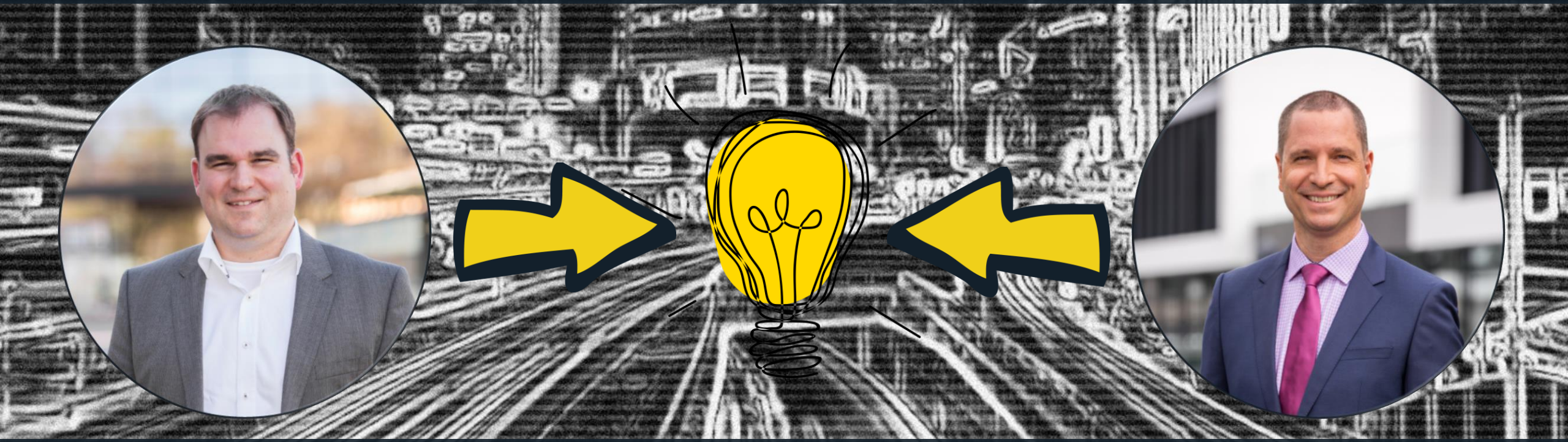
Windows Admin Center

Hyper-V

Von und mit
Manfred Helber

www.manfredhelber.de/webday

Azure Stack HCI Show



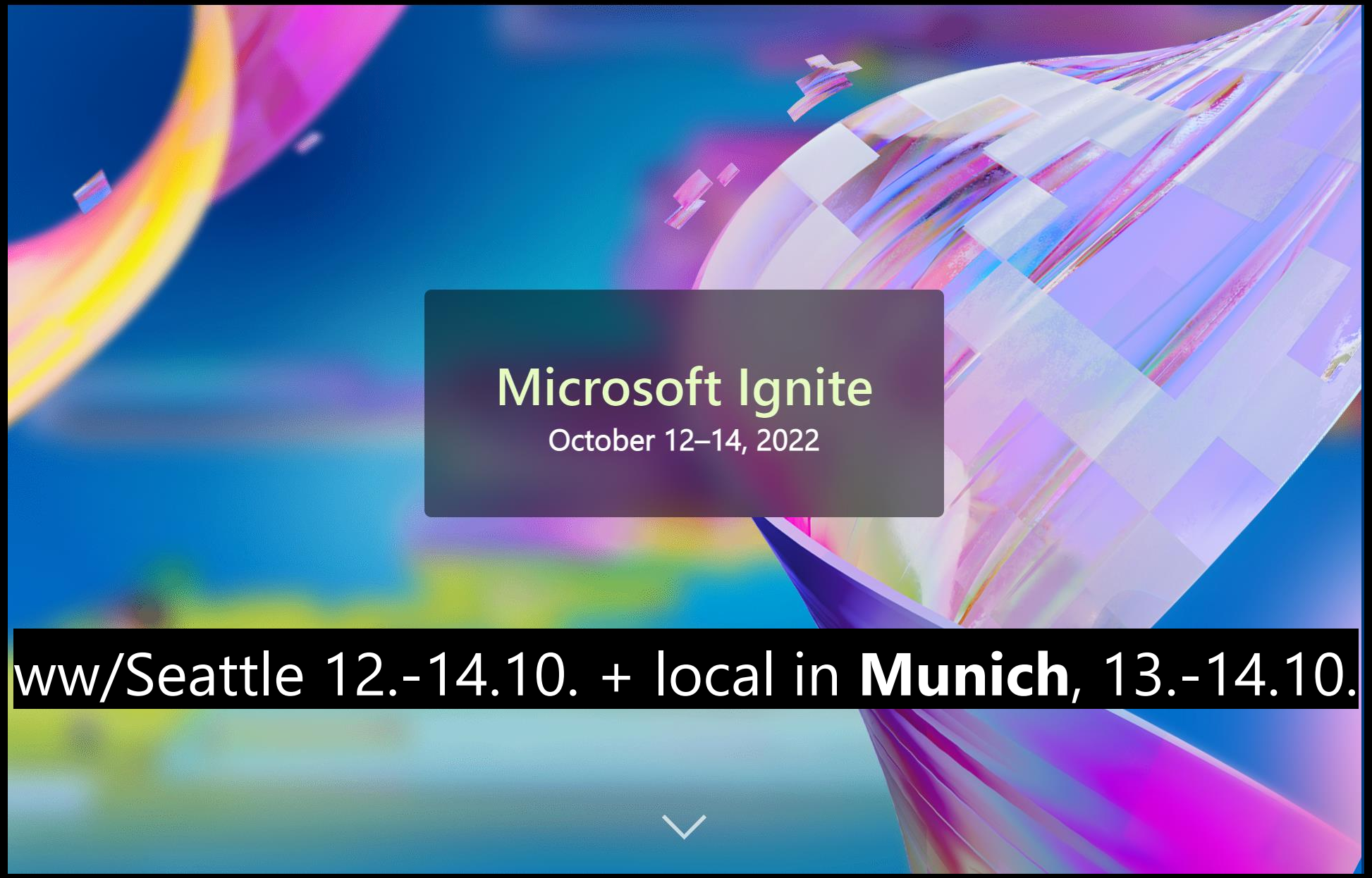
Manfred Helber

MVP Cloud and Datacenter
Trainer and Consultant
Manfred Helber GmbH

Nächster Termin: 11.11.2022
12:00 bis 13:00 Uhr

Sven Langenfeld

Azure Stack HCI
Commercial Sales Specialist
Microsoft DACH



[Your home for Microsoft Ignite]

Vielen Dank!

Die Azure Arc Show

Alexander Ortha

Manfred Helber

Nächster Termin:

28.11.2022 um 13:00 Uhr