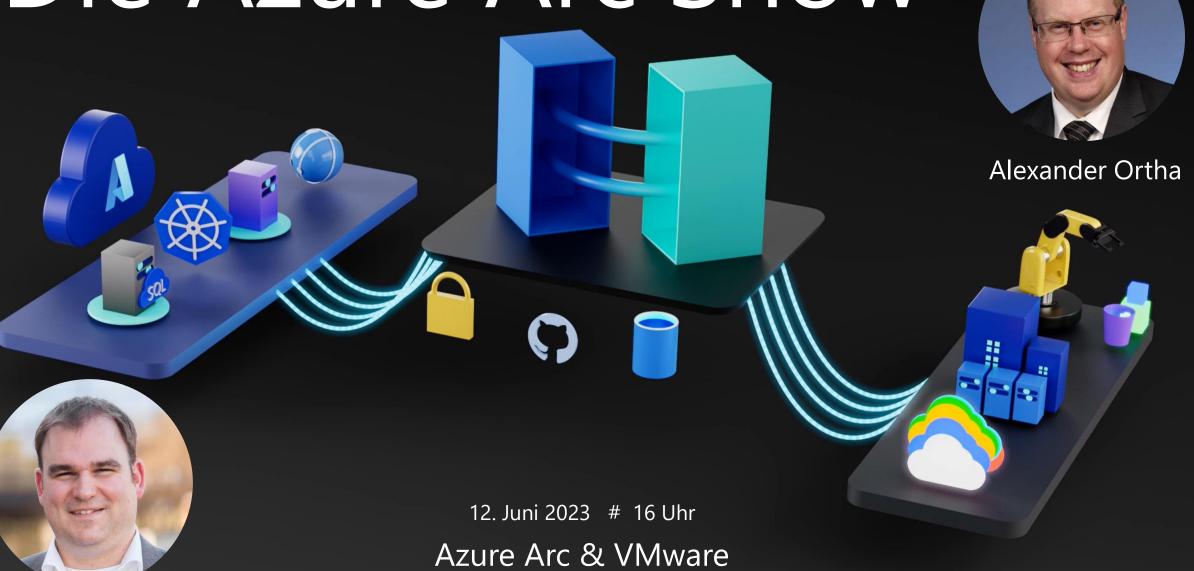
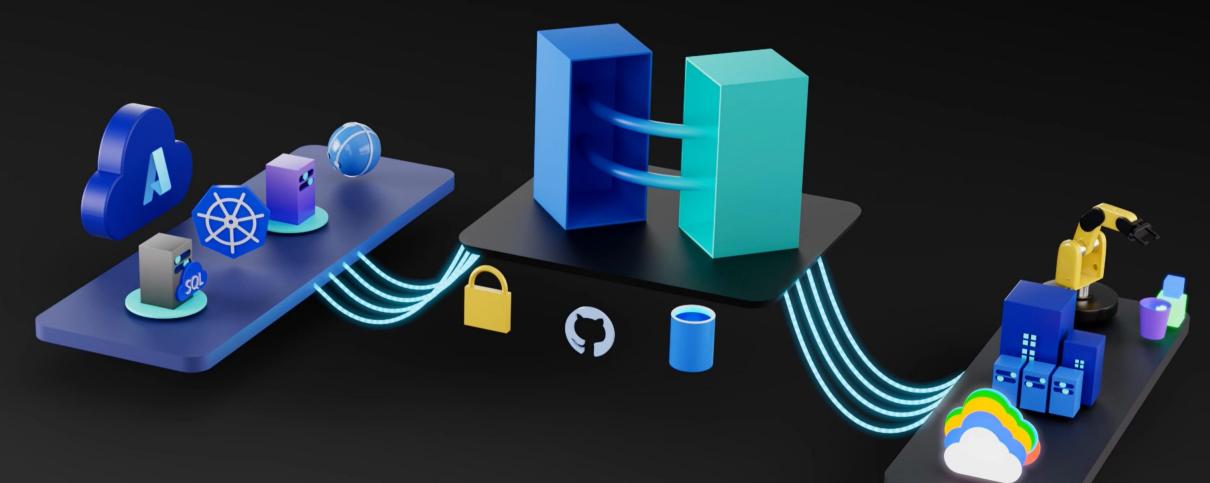
Die Azure Arc Show



Manfred Helber







Lernkurve rund um Azure Arc

Azure Arc

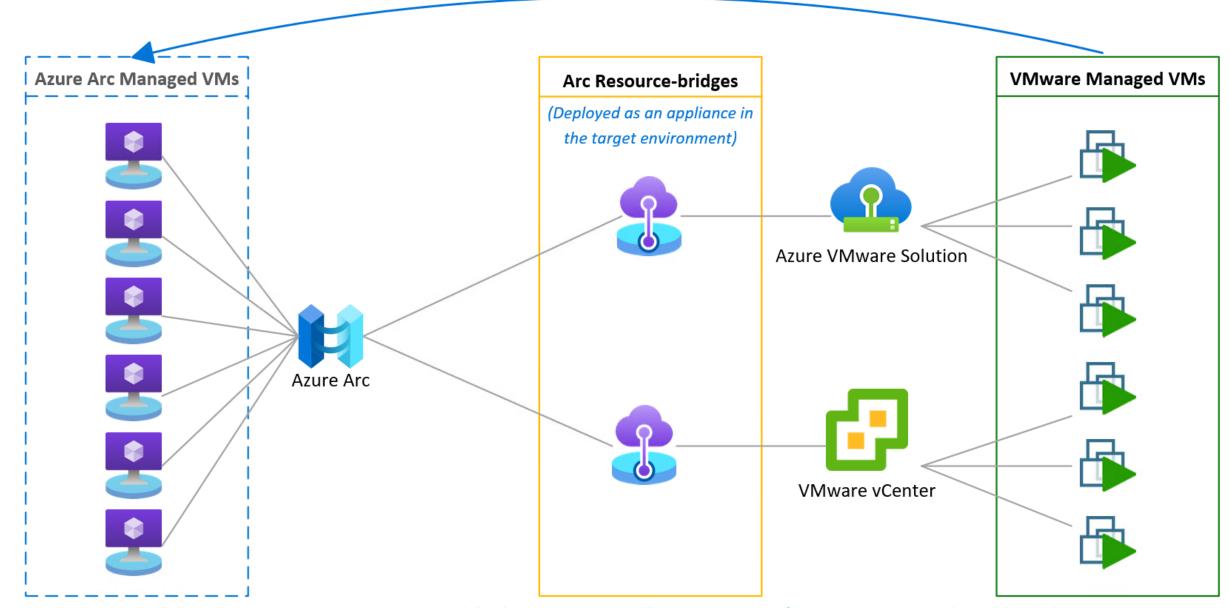




Azure VMware Solution (AVS)

VMware vSphere





<u>Public preview – Azure Arc-enabled VMware vSphere – Part 1 | vUptime.io - Cloud builder(s)</u>

Azure Arc for VMware Admins

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Published May 24 2022 08:00 AM

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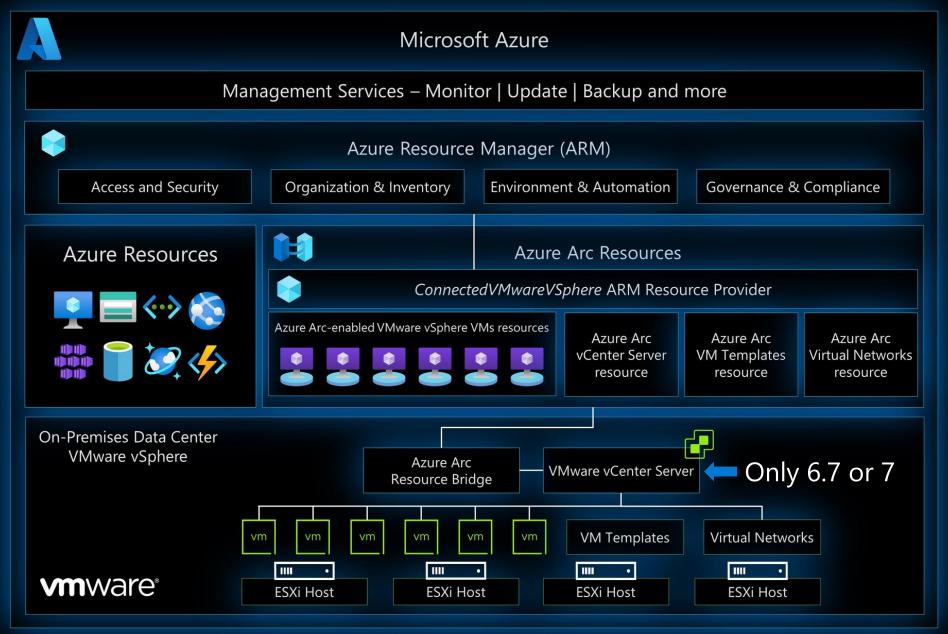
Enterprises nowadays manage a very diverse and complex IT infrastructure that expands from on-premises to edge and multi-cloud. Navigating these distributed hybrid and multi-cloud scenarios becomes a challenge when managing business-critical applications and building cloud-native software.

In these types of environments, it is very important to have a consistent approach to operations and select the proper tools that allows you to have greater cross-visibility and work at scale. That is why customers have taken advantage of Azure to enable the flexibility and agility IT professionals and developers are seeking. With <u>Azure Arc</u>, customers can now extend the rich Azure management and services offerings to any infrastructure, including their VMware deployments on-premises or in the cloud.

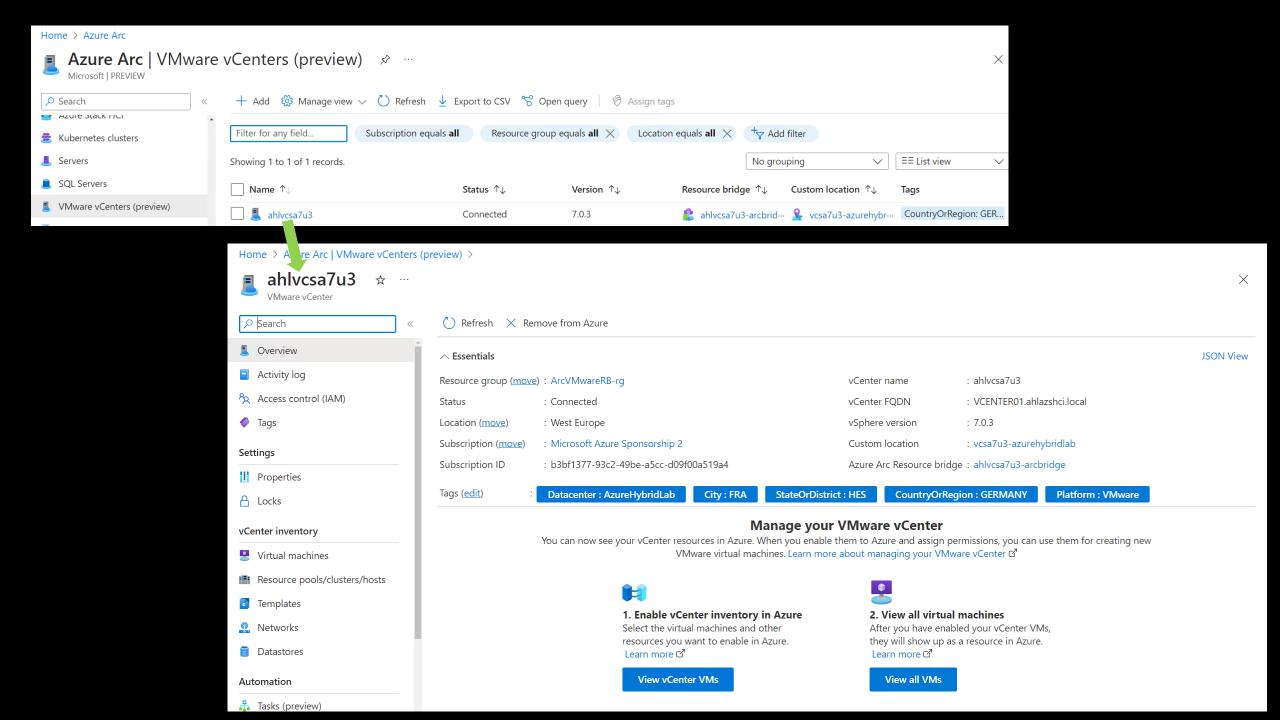
Whether you are migrating your VMware virtual machine workloads to Azure or building a hybrid architecture, there is an Azure Arc solution that allows you to leverage your existing investments in VMware-based infrastructure and continue to innovate and enhance your experience in Azure.

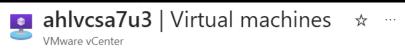
Azure Arc for VMware Admins (microsoft.com)

Azure Arc-enabled VMware vSphere Architecture

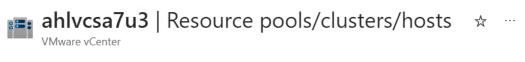


What is Azure Arc-enabled VMware vSphere (preview)? - Azure Arc | Microsoft Learn

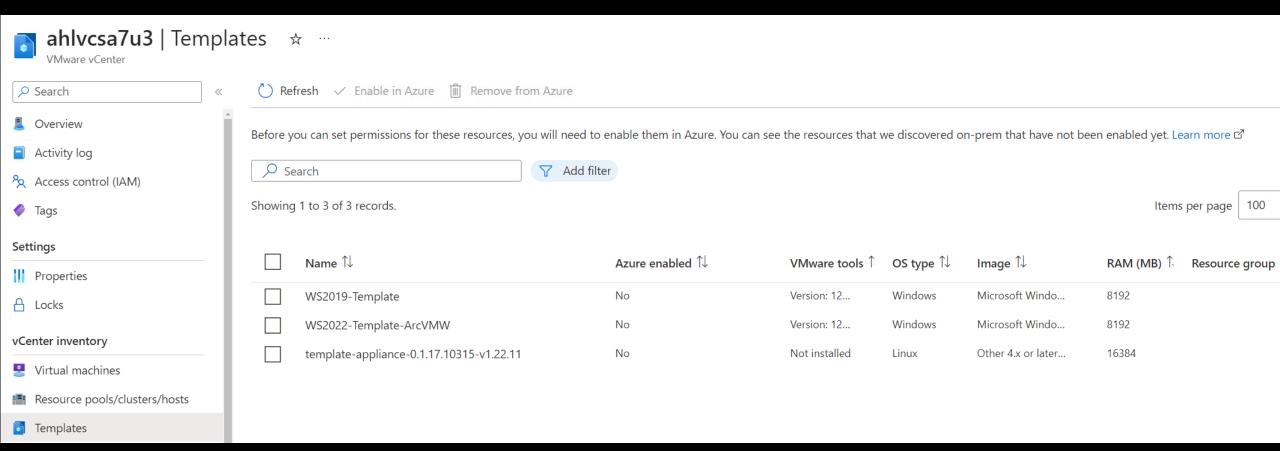


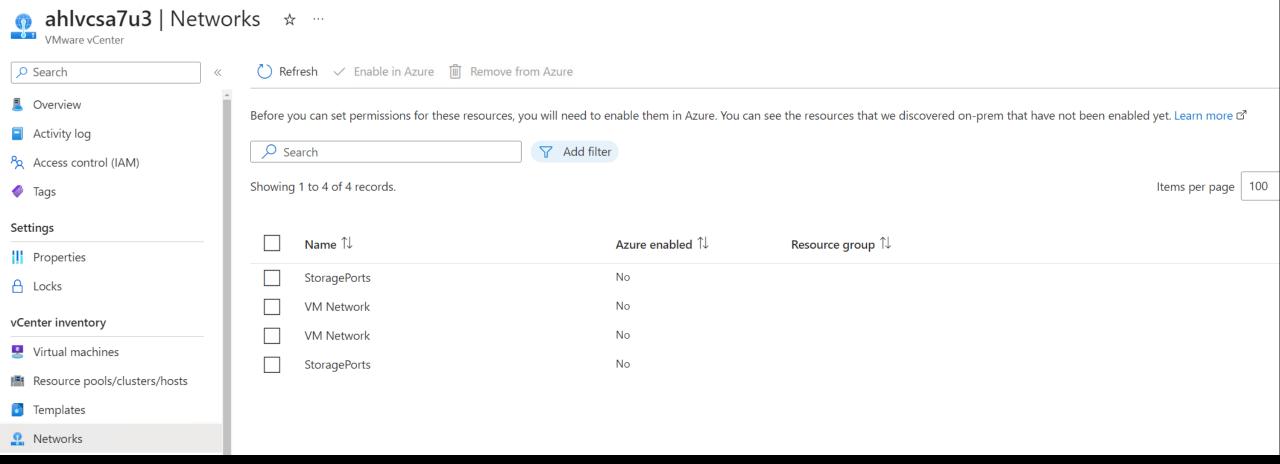


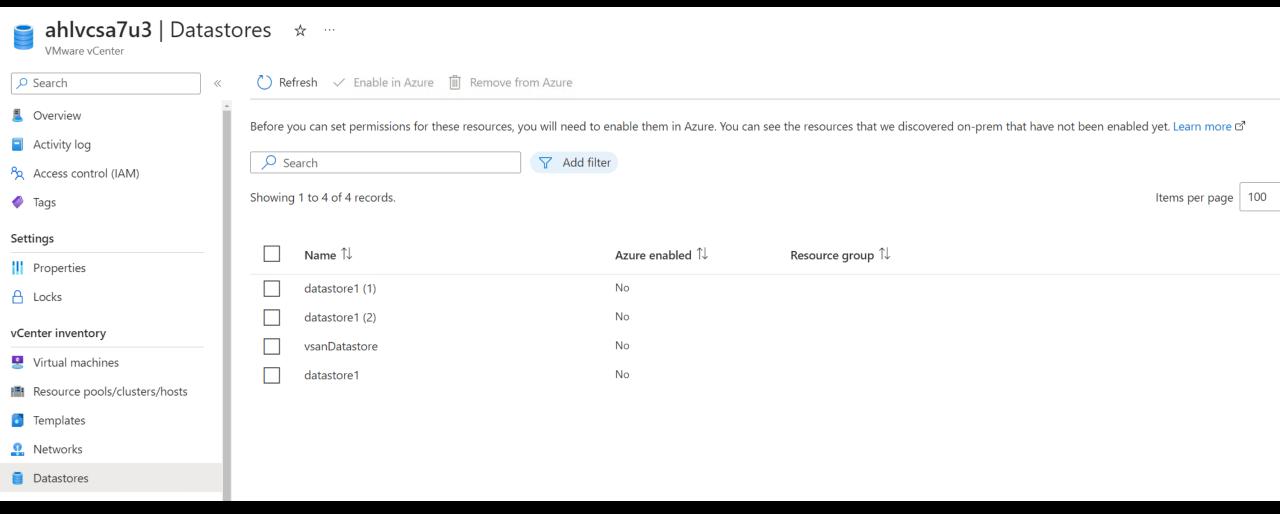
VMware vCenter								
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Overview	Before vo	ou can set permissions for these r	esources vou will nee	d to enable them in Azure. You can	see the resources that we	e discovered on-prem tha	t have not been enabled	vet Learn more ♂
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Properties		rvame i↓	Azure enabled 14	Guest management enabled 14	Status 14	viviware tools 14	ir address	HOSt IV
△ Locks		vcsa-7U3	No	No	poweredOn	Running, Version	10.101.0.14	
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vCenter inventory		vSAN-Witness01	No	No	poweredOn	Running, Version	10.101.0.15, fe80:	
Virtual machines		vCLS-fff93c2f-c049-4db	No	No	poweredOn	Running, Version		
Resource pools/clusters/hosts		WS2022-Template	No	No	poweredOff	Not running, Ver		
Templates		ArcVMWDemoVM01	No	No	poweredOn	Running, Version	fe80::1b08:72b3:	
Networks								
■ Datastores		ArcVMWDemoVM02	No	No	poweredOn	Running, Version	fe80::6015:4e13:f	
Automation		1847ed14faac6ac91a86	No	No	poweredOn	Running, Version	10.101.0.17, 10.1	



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Properties Locks		ArcVMW-CLUSTER		Cluster		No			
vCenter inventory		ahlvmwhost03.ahlazshci.local ahlvmwhost01.ahlazshci.local		Host		No No		ArcVMW-CLUSTER	
☑ Virtual machines		ahlvmwhost02.ahlazshci.local		Host		No		ArcVMW-CLUSTER	
Resource pools/clusters/hosts		vsan-witness01.ahlazshci.local		Host		No			
Templates		Resources		ResourcePool		No		ArcVMW-CLUSTER	
• Networks		Resources		ResourcePool		No		vsan-witness01.ahlazshci.l	
Datastores		ArcVMW-RB		ResourcePool		No		Resources	
Automation		ArcVMW-VMs		ResourcePool		No		Resources	
Tasks (preview)		Resources		ResourcePool		No		ahlvmwhost03.ahlazshci.lo	
Town and demandate									







Create an Azure Arc virtual machine

Disks Networking Basics Tags Review + create

Basics

Microsoft Azure Sponsorship 2 Subscription

Resource group ArcVMware-rg Virtual machine name demogbb

vcsa7u3-azurehybridlab (West Europe) Custom location

Virtual machine kind VMware

Resource pool/cluster/host ArcVMW-VMs vsanDatastore Datastore Guest management Enabled

Username Administrator

Operating system Windows Microsoft Windows Server 2016 or later (64-bit)

Template details

Template WS2022-Template-ArcVMW

CPU cores

8.192 MB Memory

Disks

Disk count

Networking

Network interface count

Tags

PS C:\Users\alexor>

riptions/b3bf1377-93c2-49be-a5cc-d09f00a519a4/resourceGroups/RG-ArcBridge/providers/Microsoft.HybridCompute/machines/dem

: https://portal.azure.com/#@8eba9bd3-35fb-418d-ab86-fe070cb755fe/resource/subsc

: running

PS C:\Users\alexor> _

ovm04rbhci-42201c2c-d9da-4625-ad69-614e4975b8d5/overview

Agent Service (himds)

Portal Page

```
Administrator: Windows PowerShell
PS C:\Users\Administrator> azcmagent show
                                        : ArcVMWDemoVM03
Resource Name
                                       : ArcVMware-rg
Resource Group Name
                                       : Microsoft.ConnectedVMwarevSphere
Resource Namespace
Resource Id
                                       : /subscriptions/b3bf1377-93c2-49be-a5cc-d09f00a519a4/resourceGroups/ArcVMware-rg/providers/Microsoft.Con
nectedVMwarevSphere/virtualMachines/ArcVMWDemoVM03
Subscription ID
                                        : b3bf1377-93c2-49be-a5cc-d09f00a519a4
Tenant ID
                                        : 8eba9bd3-35fb-418d-ab86-fe070cb755fe
VM ID
                                       : 9e6ff1d1-9e01-4b0e-a399-c8bf11a5f3c9
Correlation ID
                                        : 553e7a72-8b65-4869-98a7-a69a1468f31d
VM UUID
                                        : 4B6A2242-64E1-C69B-B56B-9A83E25FBF4C
Location
                                        : westeurope
                                                                         zure for ymware
Cloud
                                        : azurecloud
Agent Version
                                        : 1.30.02313.988
Agent Logfile
                                       : C:\ProgramData\AzureConnectedMachineAgent\Log\himds.log
                                       : Connected
Agent Status
Agent Last Heartbeat
                                        : 2023-05-15T17:26:22+02:00
Agent Error Code
Agent Error Details
Agent Error Timestamp
Using HTTPS Proxy
Proxy Bypass List
Cloud Provider
                                        : N/A
Cloud Metadata
                                        : VMware, Inc.
Manufacturer
Model
                                        : VMware7,1
MSSOL Server Detected
                                       : false
Dependent Service Status
 GC Service (gcarcservice)
                                       : running
 Extension Service (extensionservice)
                                       : running
 Agent Service (himds)
                                        : running
Portal Page
                                       : https://portal.azure.com/#@8eba9bd3-35fb-418d-ab86-fe070cb755fe/resource/subscriptions/b3bf1377-93c2-49
be-a5cc-d09f00a519a4/resourceGroups/ArcVMware-rg/providers/Microsoft.HybridCompute/machines/ArcVMWDemoVM03/overview
```

PS C:\Users\Administrator>

az connectedvmware | Microsoft Learn

Learn / Azure / Azure CLI / Reference / Azure Arc for PrivateClouds /



az connectedvmware

₫ Feedback Reference

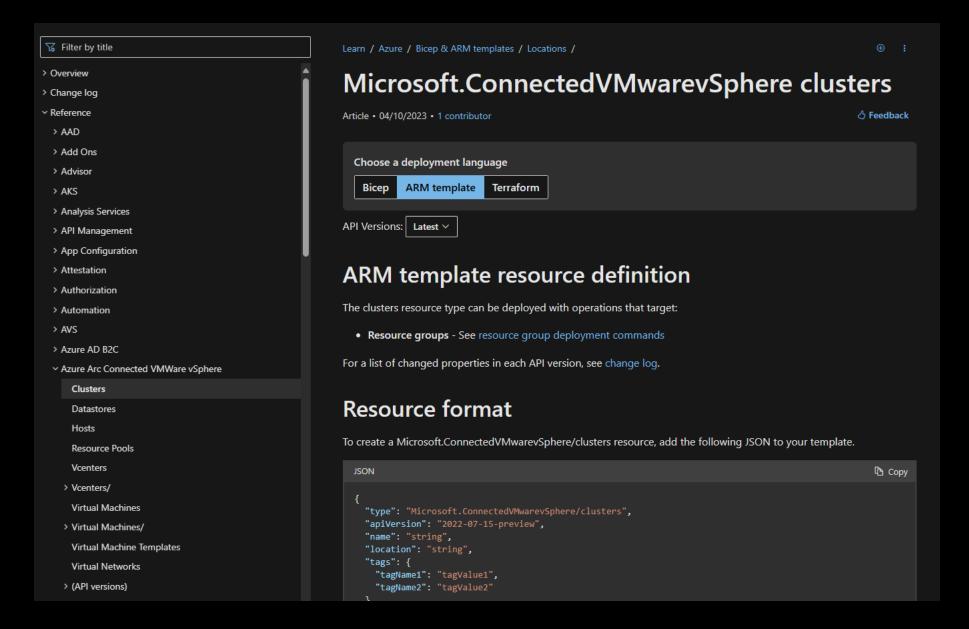
① Note

This reference is part of the connectedvmware extension for the Azure CLI (version 2.0.67 or higher). The extension will automatically install the first time you run an az connectedvmware command. Learn more about extensions.

Commands to manage Connected VMware.

Commands

az connectedvmware cluster	Cluster resource.
az connectedvmware cluster create	Create a cluster resource.
az connectedvmware cluster delete	Delete cluster resource.
az connectedvmware cluster list	Retrieve a list of cluster of given resource group.
az connectedvmware cluster show	Get details of a cluster by id, resource-group, cluster name, or subscription.
az connectedvmware datastore	Datastore resource.
az connectedvmware datastore create	Create a datastore resource.
az connectedvmware datastore delete	Delete datastore resource.
az connectedvmware datastore list	Retrieve a list of datastore of given resource group.
az connectedvmware datastore show	Get details of a datastore by id, resource-group, datastore name, or subscription.
az connectedvmware host	Host resource.
az connectedvmware host create	Create a host resource.
az connectedvmware host delete	Delete host resource.
az connectedvmware host list	Retrieve a list of host of given resource group.
az connectedvmware host show	Get details of a host by id, resource-group, host name, or subscription.
az connectedvmware resource-pool	Resource pool resource.



Microsoft.ConnectedVMwarevSphere/clusters - Bicep, ARM template & Terraform AzAPI reference | Microsoft Learn

Manage access to VMware resources
through Azure Role-Based Access Control Azure Arc | Microsoft Learn

Manage access to VMware resources through Azure Role-Based Access Control

Article • 05/06/2023 • 4 contributors

Feedback

In this article

Arc-enabled VMware vSphere built-in roles
Assigning the roles to users/groups
Next steps

Once your VMware vCenter resources have been enabled in Azure, the final step in setting up a self-service experience for your teams is to provide them access. This article describes how to use built-in roles to manage granular access to VMware resources through Azure and allow your teams to deploy and manage VMs.

Arc-enabled VMware vSphere built-in roles

There are three built-in roles to meet your access control requirements. You can apply these roles to a whole subscription, resource group, or a single resource.

- Azure Arc VMware Administrator role used by administrators
- Azure Arc VMware Private Cloud User role used by anyone who needs to deploy and manage VMs
- Azure Arc VMware VM Contributor role used by anyone who needs to deploy and manage VMs

Azure Arc VMware Administrator role

The **Azure Arc VMware Administrator** role is a built-in role that provides permissions to perform all possible operations for the Microsoft.ConnectedVMwarevSphere resource provider. Assign this role to users or groups that are administrators managing Azure Arc-enabled VMware vSphere deployment.

Azure Arc VMware Private Cloud User role

The **Azure Arc VMware Private Cloud User** role is a built-in role that provides permissions to use the VMware vSphere resources made accessible through Azure. Assign this role to any users or groups that need to deploy, update, or delete VMs.

We recommend assigning this role at the individual resource pool (or host or cluster), virtual network, or template with which you want the user to deploy VMs.

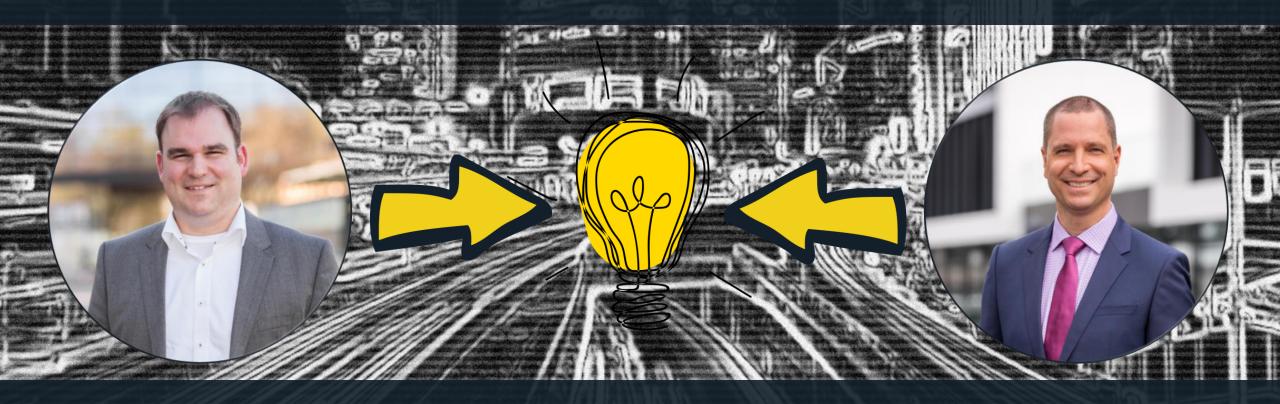
Azure Arc VMware VM Contributor



Fragen aus der Community



Azure Stack HCI Show



Manfred Helber

MVP Cloud and Datacenter Trainer and Consultant Manfred Helber GmbH Nächster Termin: 23.06.2023 12:00 bis 13:00 Uhr

Sven Langenfeld

Azure Stack HCI Commercial Sales Specialist Microsoft DACH







Nächster Termin am 23.06.2023 um 14:00 Uhr

Hybrid Workshop

Dreitägiger technischer Live-Demo Workshop 13.06.2023 - 15.06.2023

Zweck:

Der Weg in die Cloud ist nicht schwarz-weiß. Nicht alle Workloads passen in die Public Cloud, aber einige Workloads ergeben in einer On-Premises Landschaft keinen Sinn. Daher läuft es in vielen Umgebungen auf eine hybride Infrastruktur hinaus. Doch wie fängt man eine solche Implementierung eigentlich an? Welche Voraussetzungen gilt es zu klären? Wir funktioniert das alles? Ziel dieses Workshops ist es, diese Fragen zu klären und darüber hinaus am praktischen Beispiel die Konfiguration live zu

Zielgruppe:

Dieser Workshop richtet sich an alle, die den Weg in die Hybrid Cloud wagen und vom umfangreichen Know-How von Manfred Helber und Eric Berg

Durchführung:

Der Workshop wird von den beiden Hybrid Cloud Experten und Microsoft Most Valuable Professionals (MVP) Manfred Helber und Eric Berg durchgeführt - Remote und in deutscher Sprache, inkl. vieler Live-Demos

Ergebnis:

Ziel des Workshops ist es, den Teilnehmenden den Einstieg in die Hybrid Cloud zu ermöglichen. Konzepte sollen verstanden, Services richtig eingeplant werden, unterstützt durch die vielen Live-Demos und umfangreichen Praxistipps der beiden Referenten

Voraussetzung:

Teilnehmende sollten fundierte Grundkenntnisse im Bereich des Infrastruktur-Managements und ein Grundverständnis von Cloud Computing mitbringen.

Wir informieren Sie gerne: anfrage@manfredhelber.de









Eric Berg



https://www.manfredhelber.de/hybrid-workshop/

Die Azure Arc Show



Manfred Helber





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