# Lenovo

# Deployment Guide: VDI Solution with Azure Virtual Desktop on Azure Stack HCI 23H2

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Enhanced Security and Compliance

Optimized End-User Experience

Scalability and Flexibility A VDI Managed Service Unified Virtualization Infrastructure

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## 1 Introducing Azure Virtual Desktop on Azure Stack HCI

Azure Virtual Desktop is a flexible cloud based VDI that can be used to deploy and scale Windows desktops and apps on Azure Stack HCI in minutes to enable secure, remote work.

With Azure Virtual Desktop for Azure Stack HCI, IT administrators can create a full Windows 10, Windows 11, or Windows Server desktop virtualization environment that can be used on any device.

IT views all components on the same management plane, and it is simple to create and use Azure Virtual Desktop sessions on an Azure Stack HCI cluster. With the support of Azure Virtual Desktop for Azure Stack HCI, Windows 10 and Windows 11 multisession capabilities are available in on premises environments. IT staff can support multiple users on a single virtual machine (VM).

That greatly reduces the number of VMs and the system-resource overhead costs while still providing the same resources to all end users. Azure Virtual Desktop also simplifies management and user support. Because Azure Virtual Desktop is a managed service, organizations don't need to deploy a VDI themselves or have the burden of upgrading infrastructure. This is a game-changing advantage compared to other VDI solutions.

### 1.1 Why Azure Virtual Desktop on Azure Stack HCI?

The pace of change is accelerating everywhere, especially in the workplace. But two things are clear: flexible work is here to stay, and the talent landscape (workers with in-demand skills) has fundamentally shifted, soon, if not already, millions of employees will be working from home or at another remote site, rather than at a central office.

This new workplace shift is pushing IT administrators to set up VDI with remote connectivity, security, and management capabilities so that employees can remain productive and access necessary apps from wherever they are. Moving to the cloud offers many benefits to enterprises, including scalability, cost efficiencies, and near-limitless data capacity. However, many industries are required to keep their data on premises due to data-sovereignty needs and regulatory requirements.

What if there were a way to bring all the cloud benefits on premises by using familiar tools and applications based on Windows with a fully managed, cloud hosted VDI management plane?

The new Azure Stack HCI and Azure Virtual Desktop on Lenovo Systems (Microsoft's VDI solution) can do just that to help companies overcome their remote work challenges in a powerful and efficient manner.

### 1.2 The key benefits

This section covers the many benefits of AVD on Azure Stack HCI.

**Cost Efficiency:** While cloud services typically involve ongoing costs, deploying Azure Virtual Desktop on Azure Stack HCI can provide a more cost-effective solution for organizations with predictable or high-performance computing needs. By utilizing on-premises infrastructure, you may avoid some of the recurring costs associated with cloud usage, especially for long-term or stable workloads.

**Data Residency and Compliance**: For organizations with stringent data residency requirements due to regulatory reasons, Azure Virtual Desktop on Azure Stack HCI allows you to keep sensitive data on-premises while still benefiting from a virtual desktop infrastructure. This hybrid approach ensures compliance with local data regulations and provides greater control over data governance.

**GPU Enablement**: Certain workloads, especially those requiring graphic power, benefit from GPU acceleration. Azure Virtual Desktop on Azure Stack HCI supports GPU enablement, allowing you to run graphics-intensive applications and workloads locally. This is particularly advantageous for scenarios such as design, engineering, or other specialized use cases where high-performance graphics are crucial.

**Customized Performance:** Azure Stack HCI provides flexibility in tailoring the infrastructure to meet specific performance requirements. By deploying Azure Virtual Desktop on-premises, organizations can fine-tune the hardware specifications, including CPU, memory, and storage, to optimize the virtual desktop environment based on the unique demands of their users.

**Reduced Latency**: For scenarios where low-latency access is critical, on-premises deployment of Azure Virtual Desktop on Azure Stack HCI can offer reduced latency compared to accessing virtual desktops from the cloud. This can be particularly beneficial for applications that require real-time responsiveness or for users located in regions with limited network connectivity.

**Offline Access**: In situations where intermittent or limited connectivity to the cloud is a concern, having Azure Virtual Desktop on-premises provides the capability for offline access. Users can continue to work locally, ensuring productivity even during periods of connectivity challenges.

**Optimized Resource Utilization with Single and Multi-Session Scenarios:** Azure Virtual Desktop on Azure Stack HCI offers flexibility in deploying both single-session and multi-session virtual machines (VMs). Single-session VMs are ideal for resource-intensive tasks that require dedicated resources, while multi-session VMs, powered by Windows 10 multi-session capability, enable efficient sharing of resources among multiple users. This approach optimizes resource utilization, allowing organizations to tailor deployments based on the specific needs of users and workloads, thereby maximizing efficiency and cost-effectiveness.

Enhanced Performance with RDP Shortpath for Low-Latency User Access: Azure Virtual Desktop on Azure Stack HCI leverages the advanced capabilities of Remote Desktop Protocol (RDP) Shortpath, a feature designed for low-latency communication between the client and the virtual desktop. By utilizing this technology, users experience accelerated responsiveness and reduced latency, crucial for tasks demanding real-time interactions. Whether accessing virtual desktops locally or remotely, the implementation of RDP Shortpath ensures an efficient and fluid user experience, enhancing productivity and responsiveness across diverse network conditions. This benefit is especially valuable in scenarios where rapid and lag-free access to applications and resources is paramount for user satisfaction and operational efficiency.

It's essential to carefully evaluate your organization's specific requirements, budget considerations, and compliance needs to determine whether an on-premises or cloud-based solution, or a hybrid approach, is the most suitable for your Azure Virtual Desktop deployment.

## 2 Before you get started

The following summarizes, at a high-level, what you will need to run Azure Virtual Desktop on Azure Stack HCI

### 2.1 Functional prerequisites

- An Azure Stack HCI cluster minimum version 23H2 and registered with Azure. From a CPU perspective, it's recommended to have at least 16 cores, with 256GB memory, but this is largely determined by your workload requirements. A minimal install of Azure Virtual Desktop with a single VM cluster will likely consume approximately 24-30GB RAM.
- We recommend 1TB storage capacity in your Azure Stack HCI storage pool used to store virtual machines. However, again, this will be determined by your workload requirements.
- Active Directory domain, you need a domain account that can join computers to your domain. For Microsoft Entra Domain Services, you would need to be a member of the AAD DC Admin group.
- User Account Requirements. Users must have accounts in the Microsoft Entra ID system. For Azure Virtual Desktop on Azure Stack HCI deployments using AD DS - Configure Microsoft Entra Connect for user identity synchronization between AD DS and Microsoft Entra ID.
- External internet connectivity for both the Azure Stack HCI nodes, and the Azure Virtual Desktop components.
- Azure subscription for Azure Virtual Desktop Session Host Pool with the appropriate permissions.
- Network Validation for AVD Links <u>https://docs.microsoft.com/en-us/azure/virtual-desktop/safe-url-list</u>
- Ensure your account is granted the following built-in RBAC roles at the resource group or subscription level. To assign these roles to a resource group, ensure it has been created beforehand.

Resource type	RBAC role
Host pool, workspace, and application group	Desktop Virtualization Contributor
Session hosts (Azure)	Virtual Machine Contributor
Session hosts (Azure Stack HCI)	Azure Stack HCI VM Contributor

#### Table 1 Resource types and roles

### 2.2 Known limitations

The access to your on-premises or Active Directory domain-joined resources may be impacted by the following known limitations. It is advisable to take these limitations into account when determining the suitability of Microsoft Entra-joined VMs for your environment.

- Azure Virtual Desktop (classic) doesn't support Microsoft Entra joined VMs.
- Microsoft Entra joined VMs don't currently support external identities, such as Microsoft Entra Business-to-Business (B2B) and Microsoft Entra Business-to-Consumer (B2C).

### 2.3 Hardware configurations for Azure Virtual Desktop on Azure Stack HCI

Lenovo certified Azure Stack HCI solutions can be found at ThinkAgile MX.

Lenovo rack systems feature innovative hardware, software and services that solve customer challenges today and deliver an evolutionary fit-for-purpose, modular design approach to address tomorrow's challenges. These servers capitalize on best-in-class, industry-standard technologies coupled with differentiated Lenovo innovations to provide the greatest possible flexibility in x86 servers. Key advantages of deploying Lenovo rack servers include:

- Highly scalable, modular designs to grow with your business
- Industry-leading resilience to save hours of costly unscheduled downtime
- Expansive storage capacity and flexible storage configurations for optimized workloads
- Fast flash technologies for lower latencies, quicker response times and smarter data management in real-time for cloud deployments, database, or virtualization workloads

You can trust Lenovo rack systems for world-class performance, power-efficient designs and extensive standard features at an affordable price.

The following Lenovo servers have been certified for Microsoft Azure Stack HCI and are equipped to support 4 to 64-core processors, up to 4TB of memory and over 100TB of storage making them ideal candidates for Azure Stack HCI Virtualized Desktop Infrastructure solutions:

- Lenovo ThinkAgile MX3530 Integrated systems / MX3531 validated nodes (based on ThinkSystem SR650 V2)
- Lenovo ThinkAgile MX3330 Integrated systems / MX3331 validated nodes (based on ThinkSystem SR630 V2)
- Lenovo ThinkAgile MX3520 Integrated systems / MX validated nodes (based on ThinkSystem SR650)
- Lenovo ThinkAgile MX1020 Integrated systems / MX1021 validated nodes (based on ThinkSystem SE350)
- Lenovo ThinkSystem SR630 validated nodes

- Lenovo ThinkSystem SR630V3 validated nodes
- Lenovo ThinkSystem SR650V3 validated nodes
- Lenovo ThinkSystem SR665 validated nodes
- Lenovo ThinkSystem SR655 validated nodes
- Lenovo ThinkSystem SR645 validated nodes
- Lenovo ThinkSystem SR635 validated nodes
- Lenovo ThinkEdge SE450 validated nodes

### 2.4 Supported OS deployment configuration

You can select one of the following 64-bit Operating system using an Image form Azure Marketplace or use a custom image.

- Windows 11 Enterprise multi-session
- Windows 11 Enterprise
- Windows 10 Enterprise multi-session
- Windows 10 Enterprise
- Windows Server 2022
- Windows Server 2019

### 2.5 High-Level deployment steps overview.

#### **Network Preparation**

#### 1. Choose Network Layout:

• Select a pre-defined network configuration that matches your physical server cabling. This will serve as a template for configuring your virtual network settings later.

#### **Domain Preparation**

#### 2. Active Directory:

• Verify your Active Directory domain is properly configured to integrate with Azure Stack HCI 23H2.

#### **Cluster Deployment**

#### 3. Download Installation Media:

• Obtain the Azure Stack HCI version 23H2 ISO file from the Azure portal.

#### 4. Install OS on Servers:

• Install the downloaded Azure Stack HCI operating system on each server that will be part of the cluster.

#### 5. Configure Proxy (Optional):

• If your network utilizes a proxy server for internet access, configure the proxy settings on all cluster servers.

#### 6. Register Servers & Assign Permissions:

- Run the Azure Arc registration script on each server intended for the cluster.
- Assign the necessary permissions required for deployment.

#### 7. Create Azure Stack HCI Cluster:

You have two options for creating the cluster:

- Azure Portal: Use the Azure portal to select the Arc-registered servers and create the Azure Stack HCI cluster.
- ARM Template (Advanced): Utilize an Azure Resource Manager (ARM) template for automated cluster creation (refer to documentation for details).

#### Azure Virtual Desktop Deployment (Separate Process):

**Note:** These steps are for deploying Azure Virtual Desktop on your newly created Azure Stack HCI cluster and are not directly part of the Azure Stack HCI deployment itself.

#### 8. Choose a VM Image:

- Azure Marketplace: Browse the Azure Marketplace to find a pre-configured virtual machine image that aligns with your needs. These images often include pre-installed applications and configurations, saving you setup time.
- Custom Image: Alternatively, if you have specific requirements, you can use a custom image that you've prepared beforehand. This image should contain the desired operating system and any necessary applications.

#### 9. Create a Virtual Network:

- Match Your Network: Design a virtual network that mirrors your existing network layout within Azure Stack HCI.
- ٠

#### 10. Create a Host Pool:

• This is the initial step for setting up your virtual desktops.

#### 11. Define Your Workspace:

• This step involves defining the workspace environment for your virtual desktops.

#### 12. Designate Application Groups:

Here you will organize your applications into groups for easier management within your virtual desktop environment.

## **3 Deployment requirements**

The deployment process outlined in this guide offers a comprehensive and flexible approach to deploying Azure Virtual Desktop on Azure Stack HCI 23H2. This section covers some deployment pre-requisite configurations.

### 3.1 Setup the Image Gallery

- 1. Sign into the Azure portal.
- 2. Navigate to the Azure Stack HCI resource in the portal and select VM Images in the left pane.

AHCIAYASCLS		
A Search «	Delete C Refresh	
Overview	∧ Essentials	
Activity log	Resource group (move) : yas-rg	
Access control (IAM)	Health status :	
🛷 Tags	Location : East US	
🗙 Diagnose and solve problems	Subscription (move) : Microsoft Azure Er	
Settings	Subscription ID :	
<ul> <li>Windows Admin Center (preview)</li> </ul>	Billing status : Free trial(7 days re	
Extensions	Tags (edit) : Add tags	
💼 Configuration	Get started Nodes Monitoring	Capabilities
E Deployments		
🔒 Locks		$\bigotimes$
Resources (preview)	Azure Automanage for	Azure Virtual
👗 Virtual machines	Windows Server Preview	Desktop Preview
🧟 Logical networks	Set up Windows Server Azure Edition to use Automanage capabilities like	Set up desktop and application virtualization with multi-session
🍮 Disks	Hotpatch and SMB over QUIC. Learn More I	Windows 11 or Windows 10 deployments, Learn More 2
😸 VM images		
Storage paths	Prerequisites not met	😣 Prerequisites not met
Operations		
Disaster recovery (preview)		
🔅 Updates		
Security (preview)		
Microsoft Defender for Cloud		
💼 Security defaults		
Application control (WDAC)		

Figure 1 View of VM images page

#### 3.1.1 VM Image Gallery

To prepare a VM image for AVD use on Azure Stack HCI Cluster, follow these steps:

- 1. Click on VM Images from the Azure Stack HCI resource.
- 2. Choose the image source, selecting Azure Marketplace in this case.

Home > yas-rg > AHCIAYASCLS				
AHCIAYASCLS   VM images 🛪 …				
✓ Search	→ Add VM Image → 🖒 Refresh			
📒 Overview	From Azure Marketplace			
Activity log	Create a VM image from Azure Markeplace and use the image to depicy VMs.     On this     From Azure Storage account			
Access control (IAM)	Download an image stored in your Azure Storage account that can be used to deploy virtual machines. From a local share			
🗳 Tags	Download an image stored in your local share that can be used to deploy virtual machines.			
🗙 Diagnose and solve problems				
Settings				
🖳 Windows Admin Center (preview)				
Extensions				
💼 Configuration				
Deployments (preview)				
🔒 Locks				
Resources (preview)				
🚢 Virtual machines				
🧟 Logical networks				
a Disks				
🙎 VM images 📘				
Storage paths				

Figure 2 VM images gallery

3. You will be presented with a wizard to select the image, and define name, location etc.



Figure 3 Create a VM image

4. Once the image is downloaded, it will be visible on the VM image Tab, meeting the requirements for AVD deployment.

=	E Microsoft Azure		R	, ∞ Search resources, services, and docs (G+/)		
Hom						
2	AHCIAYASCLS   VM in Azure Stack HCI	nages 🖈				
<mark>ب</mark> ج		🕂 Add VM Image \vee 💍 Refresh				
= 0	Dverview					
<b></b>	Activity log	A imited experience is available as the relative is in preview. <u>Provide recipication on this leadure</u> IS				
89. A	Access control (IAM)	Image name	Version	Status	Operating system	Source
🥔 т	lags		22621.2715.231109	Available	Windows	Azure marketplace
* •	Diagnose and solve problems					

Figure 4 List of available VM images

### 3.2 Logical network

Before starting the AVD deployment, create a Logical Network for use by AVD or simple Virtual Machines.

- 1. From the Azure Stack HCI resource, click on Logical Network.
- 2. Click on Create Logical Network.



Figure 5 Logical network configuration

3. Input the Logical Network name and the Virtual switch name.

Home > AHCIAVASCLS   Logical networks >         Create logical network …         Basics Network Configuration Tags Review + Create         Use one of your resource providers to create a new logical network in one of your Azure Arc VM. Learn more [2]         Project detailS         Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.         Subscription * O       Microsoft Azure Enterprise - Azure Stack Solutions Development          Resource group * O       yas-rg         Instance detailS         Select the custom location for your new logical network.         Logical network name *       Inets         Virtual switch name *       O         ergion *       O         Uso East US       Custom location *	■ Microsoft Azure		
Create logical network     Basics     Network Configuration   Tags   Review + Create      Project details   Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.   Subscription* <ul> <li>Microsoft Azure Enterprise - Azure Stack Solutions Development</li> <li>yas-rg</li> </ul> <ul> <li>netance details</li> </ul> Select the custom location for your new logical network.   Logical network name*   Inets   virtual switch name*   (US) East US   Custom location*   (US) East US	Home > AHCIAYASCLS   Logical netw		
Basics       Network Configuration       Tags       Review + Create         Use one of your resource providers to create a new logical network in one of your Azure Arc VM. Learn more C         Project details         Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.         Subscription*       O       Microsoft Azure Enterprise - Azure Stack Solutions Development         Resource group*       O       yas-rg         Select the custom location for your new logical network.       Logical network name*       Inets         Virtual switch name*       O       ext         Region*       O       (US) East US         Custom location*       O       ahciayasc/scustom/location	Create logical networ	<b>k</b>	
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Project details         Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.         Subscription * ①       Microsoft Azure Enterprise - Azure Stack Solutions Development          Resource group * ①       yas-rg         Instance details         Select the custom location for your new logical network.         Logical network name *       Inets         Virtual switch name *       (US) East US         Custom location *       ①         abciayasc/scustom/location			
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.         Subscription * ①       Microsoft Azure Enterprise - Azure Stack Solutions Development          Resource group * ①       yas-rg         Instance details       Select the custom location for your new logical network.         Logical network name *       Inets         Virtual switch name *       (US) East US         Custom location *       ①         abciayasciscustomlocation       >	Project details		
Subscription * O       Microsoft Azure Enterprise - Azure Stack Solutions Development         Resource group * O       yas-rg         Instance details          Select the custom location for your new logical network.       Logical network name *         Logical network name *       Inets         Virtual switch name *       (US) East US         Custom location *       O         abciayase/IscustomIocation	Select the subscription to manage deploy	ved resources and costs. Use resource groups like folders to organize and r	manage all your resources.
Resource group * ①       yas-rg         Instance details         Select the custom location for your new logical network.         Logical network name *       Inets         Virtual switch name *       ext         Region * ①       (US) East US         Custom location * ①       abciayasclscustomlocation	Subscription * ①	Microsoft Azure Enterprise - Azure Stack Solutions Development	
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Select the custom location for your new logical network.         Logical network name *       Inets         Virtual switch name *       •         ext       •         Region *       •         (US) East US       >         Custom location *       •         ahciayasclscustomlocation       >	Instance details		
Logical network name *     Inets       Virtual switch name *     •       Region *     •       (US) East US     >       Custom location *     •	Select the custom location for your new l	ogical network.	
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Region * O (US) East US  Custom location * O ahciayasclscustomlocation	Virtual switch name * ①	ext	
Region * O (US) East US ~ ~ Custom location * O ahciayasclscustomlocation ~			
Custom location * O ahriayasclscustomlocation ~	Region * (U		
	Custom location * 0		

#### Figure 6 Create logical network

4. Using the static configuration, we need to provide the address space along with the pool that will be used, the Gateway and DNS.

Home > AHCIAYASCLS   Logical networks >			
Create logical networ	k		
J			
Basics Network Configuration	Tags Review + Create		
Configure your logical network address s	pace.		
ID addrass assignment *			
iP address assignment * 🔍			
	Static		
IPv4 address space * ①	10.152.30.0	/25 (128 addresses)	$\sim$
	10.152.30.0 - 10.152.30.127 (128 addresse	s)	
IP pools 🛈	+ Add IP pool		
	10.152.30.60	10.152.30.60	1
Default Gateway ①	10.152.30.254		
DNS Servers ①	+ Add DNS server		
	10.152.30.5		1
VLAN ID U			

Figure 7 Complete logical network setup

5. Now, with the Logical Network created, we can proceed to initiate the AVD deployment.

Home > AHCIAYASCLS AHCIAYASCLS   Log Azure Stack HCI	ical networks 🛪 …			
Search «	+ Create logical network 🖒 Refresh			
Activity log Access control (IAM)	Name	Status	Resource group	Location
<ul> <li>Tags</li> <li>Disances and colve problems</li> </ul>	🧟 Inet	Succeeded		eastus

Figure 8 View of completed logical network

## 4 AVD deployment steps

### 4.1 Create Azure Virtual Desktop using Azure Portal on Azure Stack HCI

From Azure portal, on the Azure Stack HCI Cluster resource it shows all the requirements have been met. Follow the steps below to begin deployment.

1. Select deploy from the Azure Virtual Desktop tab.



Figure 9 AVD deployment launch page

- 2. Create a host pool defining the settings on the basic tab:
  - Subscription: Choose the subscription you want to use.
  - Resource group: Either select an existing resource group or create a new one.
  - Host pool name: Enter a unique name for your host pool.
  - Region: Choose the region where you want to deploy your host pool.
  - Registration group: Select the registration group associated with your Azure Stack HCI deployment.
  - Choose the type of desktop you want to deploy. Options include "Pooled" or "Personal", in our case it is "Pooled".

Then proceed to the Virtual Machines tab.

$\equiv$ Microsoft Azure					
Create a host pool					
Basics Virtual Machines Workso	ace Advanced Taos Review + create				
Project details					
Subscription * 🛈	Microsoft Azure Enterprise - Azure Stack Solutions Development				
Resource group * 🕕	yas-rg	$\sim$			
	Create new				
Host pool name *	VMHP				
Location * 🕕	East US				
	Metadata will be stored in Azure geography associated with (US) East				
Validation environment ①	• No () Yes				
Preferred app group type * 🕕	Desktop	$\sim$			
Host pool type					
If you select pooled (shared), users will stil	If you select pooled (shared), users will still be able to access their personalization and user data, using FSLogix.				
Host pool type *	Pooled				
Load balancing algorithm ①	Breadth-first				
Max session limit ①	Max # of users per session host				
Review + create < Previous	Next: Virtual Machines >				

Figure 10 Creating a host pool

3. In this tab select "yes" to Add Virtual machines and set the Virtual machine Type to Azure Stack HCI VM and input the required settings

Home >		
Create a host pool		
•		
Basics Virtual Machines Works	space Advanced Tags Review + create	
A host pool is a collection of one or mor you can give details to create Azure virtu example if you plan to add virtual machi	re identical virtual machines within an Azure Virtual Desktop environment. Here ual machines for your host pool now, or you can create and add them later, for ines from Azure Stack HCI. Learn more	
Add virtual machines	◯ No	
	• Yes	
Host pools are a collection of one or mo you provide a common set of properties	ore identical virtual machines within Azure Virtual Desktop environments. Here to update the Session hosts within your host pool.	
Resource group	yas-rg 🗸 🗸	
Name prefix *	AVD23	
	<b>i</b> Session host name must be unique within the Resource Group.	
Virtual machine type	Azure virtual machine	
, , , , , , , , , , , , , , , , , , ,	Azure Stack HCl virtual machine (Preview)	
1 To create a session host virtual machine on Azure Stack HCI, you must be on Azure Stack HCI, version 23H2. Learn more		
Custom location * ①	ahciayasclscustomlocation $\checkmark$	
Image * 🕕	Win11 ~	
	Manage VM images	

Figure 11 Host pool creation details

Number of VMs *	1	
Virtual processor count * 🕕	4	
Memory type i	<ul> <li>Static</li> <li>Dynamic</li> </ul>	
Memory (GB) * 🕕	12	
Network and security		
Network * i	Inet 🗸 🗸	
Domain to join		
Select which directory you would like to join	Active Directory	
AD domain join UPN * 🕕	novartis@msad41.local ✓	
Password * ①	······ ✓	
Specify domain or unit ①	<ul><li>Yes</li><li>No</li></ul>	
Virtual machine administrator account		
User name * ①	avdadm	
Password * ①	······	
Confirm password * i	······ ✓	
Review + create < Previous	Next: Workspace >	

Figure 12 More host pool configuration details

4. On the Workspace tab, register the Desktop App group to a workspace

$\equiv$ Microsoft Azure	$ \nearrow $ Search resources, services, and docs (G+/)
Home >	
Create a host pool	
Basics Virtual Machines Worksr	pace Advanced Tags Review + create
To save some time, you can register the d existing workspace.	lefault desktop application group from this host pool, with a new or pre-
Register desktop app group	🔿 No 🧿 Yes
To this workspace * 🛈	yasws 🗸
	Create new
Review + create < Previous	Next: Virtual Machines >

Figure 13 Registering an app group to a workspace

5. Click on Review + create and it will start the deployment.

## **5 AVD configuration**

### 5.1 Assign users to the application group

This section assigns users to the Application group. Follow the steps below.

1. From Azure Portal go the Host Pool that we created before and select the application group

AVD_Pool2    ☆ ☆ ·     Host pool     Host pool							
	🔑 Registration key 💍	)Refresh 🔟 Delete ▷	Start 🤇 Restart 🔲 Sto	p			
Overview							
Activity log	<ul> <li>Essentials</li> </ul>						
Access control (IAM)	Resource group (move) : yas-rg						
🧳 Tags	Location : East US						
Diagnose and solve problems	Subscription (move) : <u>Microsott Azure Enterprise</u>						
Settings	Tags ( <u>edit</u> )	: <u>Add tags</u>					
🗹 Scaling plan	Virtual machines						
RDP Properties	Virtual machines						
Properties	Total machines	Can connect ①	Can't connect 🕕				
🧟 Networking	<b>1</b>	I	⊜ 0				
🕓 Scheduled agent updates							
🔒 Locks	Active sessions	Disconnected sessions	Pending sessions	Total sessions			
Manage	0	0	0	0			
Application groups							
🎁 MSIX packages	Applications						
👤 Session hosts							
Monitoring	Application groups	Applications					
Insights	1						
Diagnostic settings							

Figure 14 Application groups

2. Proceed and select the pool created earlier

Microso	Microsoft Azure portul (PWA) - XHD, Pool2-DMG - Applications - Microsoft Azure						
=	Microsoft Azure			,> Search resources, services, and docs (G+/)			
Home							
	Application group						
+	Add 🖒 Refresh   🗊 Remove						
,₽ F	iter by Name						
	Application name 1	Application type 1	Display name ↑↓				
		Desktop	SessionDesktop				

Figure 15 Select the application group

3. Click on Assignments



Figure 16 Assignment launch page

4. Select the account to grant the assignment and save it

Microsoft Azure		,₽ Sei	arch resources, services, and docs (G+	n			
Home > AVD_Pool2 > AVD_Pool2 - Application groups > AVD_Pool2-DAG >		Select M	licrosoft Entra users	or user grou	ups		
AVD_Pool2-DAG - Assignments     Application group							
+ Add 🕐 Refresh   🗊 Remove		① Try chang	ing or adding filters if you don't see v	what you're looking for			Selected (1)
		Search					Neset
(1) Setup email discovery to help your users discover their resources using an email address instead of the deployment URI		1 result found				×	ms@ThinkAgileAzSoutlook.onmicrosoft.co
P Filter by Name		All Users	Groups				
Display name	Email address		Name	Type	Details		
There are no users or user groups assigned to this application group.					ms@ThinkAgileAzSoutlook.onm		
		- E				•	

Figure 17 Assigning an account to the group

### 5.2 Connect from anywhere to AVD

The Microsoft Remote Desktop client simplifies connecting to Azure Virtual Desktop, allowing access without requiring access to Azure Stack HCI systems. Follow these steps:

Prerequisites:

• Internet connectivity.

A device operating on one of the following compatible versions of Windows:

- Windows 11
- Windows 11 IoT Enterprise
- Windows 10
- Windows 10 IoT Enterprise
- Windows Server 2019
- Windows Server 2016

Download the installer for the Remote Desktop client, ensuring to select the appropriate version for your device:

- o <u>Windows 64-bit</u>
- o Windows 32-bit
- o Windows ARM64

Once the Remote Desktop client is installed, you can subscribe to the workspace using the account that we assigned to this resource.

🚯 Remote Desktop		
		×
Let's get started		
Subscribe to access managed ap		2
Privacy settings for managed res	Microsoft	
Subscribe	Sign in	
	ms@ onmicrosoft.com ×	
	No account? Create one!	
	Can't access your account?	
	Next	
	Sign-in options	
	Terms of use Privacy & coo	okies

Figure 18 Login and subscribe to assigned workspace



After logging in with the Remote Desktop client, you will see your AVD workspace and you can connect to it.

Figure 19 View of assigned workspace ready to launch

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