

Practical No: 2

How to Add Session host Manually to Host pool

Agenda:

Section 3: Implement Azure Virtual Desktop Host pool

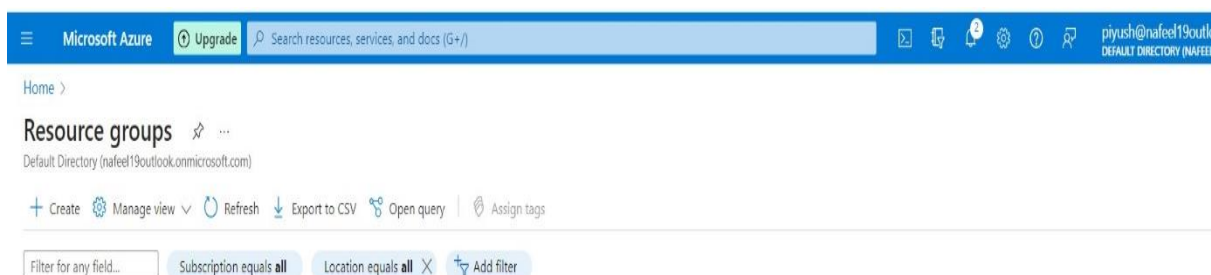
1) Step by Step Implementation:

1. Create resource group
2. Create Virtual Network (internal)
3. Create a host pool
4. Create Azure virtual desktop (create a session host)
5. Assign an AD user
6. Add Role Assignment and Add members.
7. Add virtual desktop workspaces
8. Configure Virtual Desktop host pool
9. Log in to the Azure Virtual Desktop (Session Desktop).
10. To Add Session host manually to Host pool

1) Step by Step Implementation to Add Session host Manually to Host pool:

1. *Creating a New Azure Resource Group:*

- In the Azure portal, select 'Resource groups' from the left-hand menu, then select '+ Add resource group'.
- In the 'Create resource group' blade, enter a name for your resource group and select the 'Subscription', 'Resource group location', and 'Pricing tier' fields. Then, select 'Create'.



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- In the 'Create resource group' blade, enter a name for your resource group and select the 'Subscription', 'Resource group location', and 'Pricing tier' fields. Then, select 'Create'.

The screenshot shows the 'Create a resource group' blade in the Microsoft Azure portal. The page has a blue header with the Microsoft Azure logo, an 'Upgrade' button, and a search bar. Below the header, the breadcrumb 'Home > Resource groups >' is visible. The main heading is 'Create a resource group'. There are three tabs: 'Basics', 'Tags', and 'Review + create'. The 'Basics' tab is active. Under 'Project details', there are two dropdown menus: 'Subscription' (set to 'Free Trial') and 'Resource group' (set to 'AVDscale'). Under 'Resource details', there is a 'Region' dropdown menu set to '(US) West US'. At the bottom, there are three buttons: 'Review + create', '< Previous', and 'Next: Tags >'.

The screenshot shows the 'AVDscale' resource group overview page in the Microsoft Azure portal. The page has a blue header with the Microsoft Azure logo, an 'Upgrade' button, and a search bar. Below the header, the breadcrumb 'Home >' is visible. The main heading is 'AVDscale' with a subheading 'Resource group'. There is a search bar and a list of actions: '+ Create', 'Manage view', 'Delete resource group', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Move', 'Delete', and 'Export template'. The left sidebar shows a navigation menu with 'Overview' selected. The main content area has a 'Resources' tab and a 'Recommendations' tab. Below the tabs, there is a filter bar with 'Filter for any field...', 'Type equals all', and 'Location equals all'. Below the filter bar, it says 'Showing 0 to 0 of 0 records'. There are buttons for 'Show hidden types', 'No grouping', and 'List view'. Below this, there is a table with columns 'Name', 'Type', and 'Location'. The table is empty. Below the table, there is a message 'No resources match your filters' with a sub-message 'Try changing or clearing your filters.' and two buttons: 'Create resources' and 'Clear filters'. There is also a 'Give feedback' link.

2. Create a virtual network:

We need to create a virtual network for the machines we are going to use later on. To do this, perform the following steps:

- Open Azure Portal as an Administrator.
- Search for Virtual Networks.
- Click on Create.

The screenshot shows the 'Virtual networks' page in the Microsoft Azure portal. The page has a blue header with the Microsoft Azure logo, an 'Upgrade' button, and a search bar. Below the header, the breadcrumb 'Home >' is visible. The main heading is 'Virtual networks' with a subheading 'Default Directory (nafeel19outlook@microsoft.com)'. There is a search bar and a list of actions: '+ Create', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', and 'Assign tags'.

Section 3: Implement Azure Virtual Desktop Host pool

- Select your subscription type and add the existing created AVDscale resource group that will have access to the network.
- Give a name to the virtual network and select the region.

The screenshot shows the 'Create virtual network' wizard in the Microsoft Azure portal. The 'Project details' tab is active, showing the subscription 'Free Trial' and resource group '(New) AVDscale'. The 'Instance details' tab shows the virtual network name 'AVDvnet' and the region '(US) West US'. Navigation buttons at the bottom include 'Previous', 'Next', and 'Review + create'.

Microsoft Azure Upgrade Search resources, services, and docs (G+/I)

Home > Virtual networks >

Create virtual network

Basics Security IP addresses 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 * Free Trial

Resource group * (New) AVDscale [Create new](#)

Instance details

Virtual network name * AVDvnet

Region * (US) West US [Deploy to an edge zone](#)

Previous Next Review + create Give

- In the IP Addresses tab, leave everything as default.

The screenshot shows the 'Create virtual network' wizard in the Microsoft Azure portal, specifically the 'IP addresses' tab. It displays the configuration for the IPv4 address space, including the address range '10.0.0.0/16' and a table of subnets. Navigation buttons at the bottom include 'Previous', 'Next', and 'Review + create'.

Home > Virtual networks >

Create virtual network

Basics Security IP addresses Tags Review + create

Configure your virtual network address space with the IPv4 and IPv6 addresses and subnets you need. [Learn more](#)

Define the address space of your virtual network with one or more IPv4 or IPv6 address ranges. Create subnets to segment the virtual network address space into smaller ranges for use by your applications. When you deploy resources into a subnet, Azure assigns the resource an IP address from the subnet. [Learn more](#)

Add IPv4 address space Add IPv6 address space

10.0.0.0/16 [Delete address space](#)

10.0.0.0 /16

10.0.0.0 - 10.0.255.255 65,536 addresses

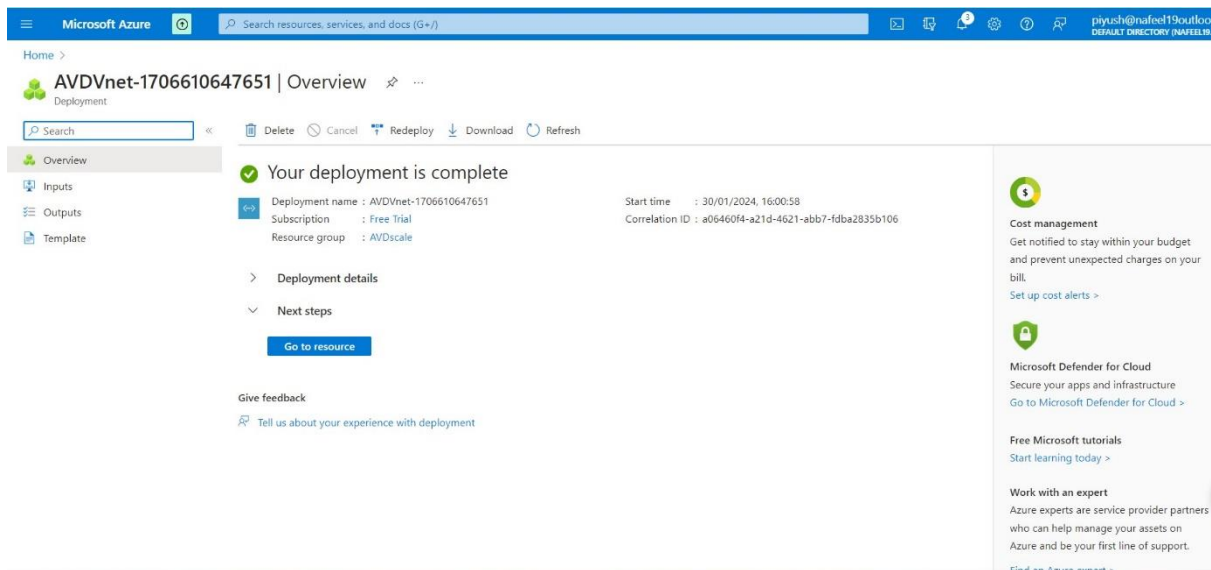
+ Add a subnet

Subnets	IP address range	Size	NAT gateway
default	10.0.0.0 - 10.0.0.255	/24 (256 addresses)	-

Previous Next Review + create

Section 3: Implement Azure Virtual Desktop Host pool

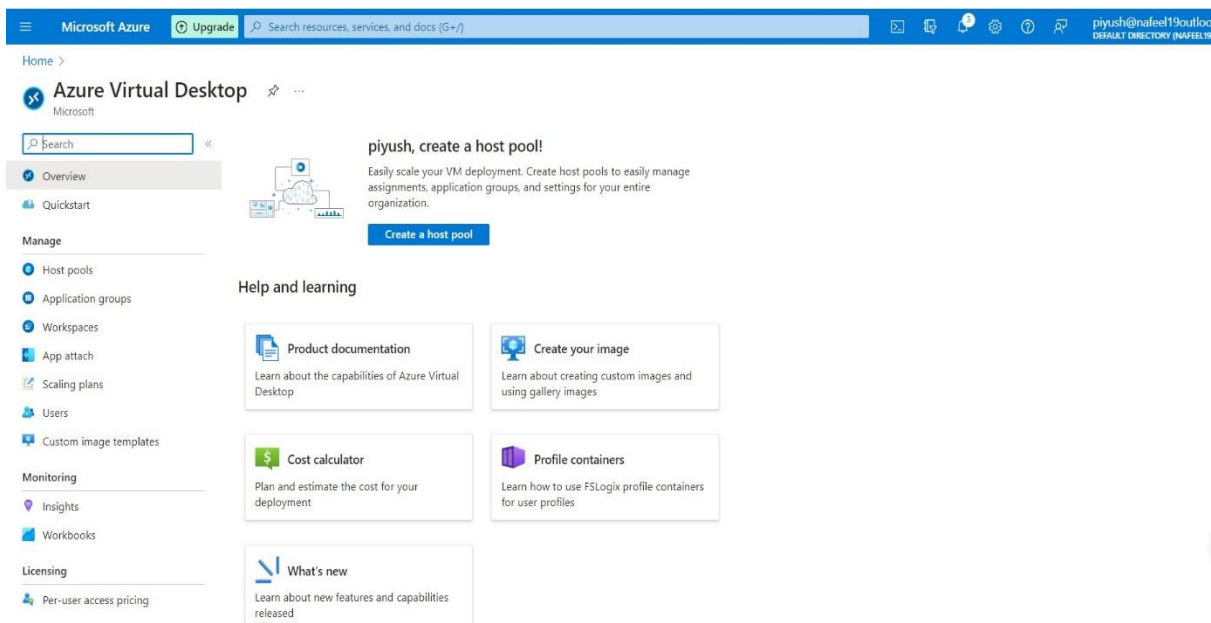
- Click to create virtual network



3. Create a host pool:

After the virtual network is configured, we need to create a host pool for the virtual machines. To do this, perform the following steps:

- In Azure Portal, search for Azure Virtual Desktop.
- Click on Create a host pool.



- Select your subscription and choose the existing created resource group - AVDscale you previously added for the virtual network.
- Add a host pool name and location West US, keep same location for all the process in AVD.
- Under the host pool type, select pooled.

Section 3: Implement Azure Virtual Desktop Host pool

- Under the Load balancing, select Breadth-first
- Max session limit as per requirement.
- Click Next.

Microsoft Azure Upgrade Search resources, services, and docs (G+/)

Home > Azure Virtual Desktop | Host pools >

Create a host pool

Subscription *

Resource group * [Create new](#)

Host pool name *

Location *
Metadata will be stored in Azure geography associated with (US) West US. [Learn more](#)

Validation environment ☒ No ☐ Yes

Preferred app group type *

Host pool type

If you select pooled (shared), users will still be able to access their personalization and user data, using FSLogix.

Host pool type *

Load balancing algorithm

Max session limit

[Review + create](#) [< Previous](#) [Next: Virtual Machines >](#)

4. Create Azure virtual desktop (create a session host):

- In the Virtual Machines tab, select Yes to add a virtual machine.
- Add existing created Resource group AVDscale.
- Add a prefix name and location West US, keep same location for all the process in AVD.

Microsoft Azure Upgrade Search resources, services, and docs (G+/)

Home > Azure Virtual Desktop >

Create a host pool

example if you plan to add virtual machines from Azure Stack HCI. [Learn more](#)

Add virtual machines ☐ No ☒ Yes

Host pools are a collection of one or more identical virtual machines within Azure Virtual Desktop environments. Here you provide a common set of properties to update the Session hosts within your host pool.

Resource group

Name prefix *
Session host name must be unique within the Resource Group.

Virtual machine type ☒ Azure virtual machine ☐ Azure Stack HCI virtual machine (Preview)

Virtual machine location

Availability options

Security type

Enable secure boot ☐

[Review + create](#) [< Previous](#) [Next: Workspace >](#)

Section 3: Implement Azure Virtual Desktop Host pool

- You can add as many machines as you want in this step. We only added one and left everything else to standard.

Home > Azure Virtual Desktop >

Create a host pool

Image * Windows 10 Enterprise multi-session, Version 21H2 + Microsoft 365 ...
[See all images](#)

Virtual machine size * **Standard D2s v3**
2 vCPU's, 8 GiB memory
[Change size](#)

Number of VMs * 1

OS disk type * Standard SSD

OS disk size * Default size (128GiB)

Boot diagnostics
☒ Enable with managed storage account (recommended)
☐ Enable with custom storage account
☐ Disable

Network and security

- Under the Network and security, make sure to select the previously created Virtual Network. No other network configurations are necessary.

Microsoft Azure Search resources, services, and docs (G+/I)

Home > Azure Virtual Desktop >

Create a host pool

Network and security

Use Azure Firewall to secure your VNET and host pool resources. [Learn more](#)

Virtual network * AVD/Vnet

Subnet default (10.0.0/24)

Network security group type Basic

Public inbound ports
☐ Yes
☒ No

Inbound ports to allow Select one or more ports
 All traffic from the internet will be blocked by default.

Domain to join

Select which directory you would like to join Microsoft Entra ID

Enroll VM with Intune
☐ Yes
☒ No

[Review + create](#) [< Previous](#) [Next: Workspace >](#)

- Under Domain to join.
- In our case, we don't have a separate AD site, so we chose to join with the Azure Active Directory. We also went with the option to not enrol the VM with Intune.
- As a last step in this tab, put user name and Password administrator account so you can access the VM.

Section 3: Implement Azure Virtual Desktop Host pool

- Click Next.

Create a host pool

Select which directory you would like to join: Microsoft Entra ID

Enroll VM with Intune: ☐ Yes ☒ No

Virtual machine administrator account

User name: Piyush_01

Password: *****

Confirm password: *****

Custom configuration

Provide location of an ARM template (inline deployment script, desired state configuration, custom script extension) for custom configuration on your session hosts. Provisioning azure resources in the template is not supported. [Learn more](#)

Custom configuration script url:

[Review + create](#)

[< Previous](#)

[Next: Workspace >](#)

- Click to Create AVD Host pool.

Search:

Overview | Inputs | Outputs | Template

Your deployment is complete

Deployment name: AddVMsToHostPool-4bfb94e6-640e-40bd-add... Start time: 30/01/2024, 16:32:41
Subscription: Free Trial Correlation ID: d6ad2f9f-9755-44e3-b77b-79bdf4e7f02

Resource group: AVDscale

Deployment details

Next steps

[Go to resource](#)

- Host pool is ready.

Microsoft Azure

Search resources, services, and docs (G+)

Home > **jumpin** Host pool

Registration key Refresh Delete Start Restart Stop

Overview | Activity log | Access control (IAM) | Tags | Diagnose and solve problems

Settings

Scaling plan | RDP Properties | Properties | Networking | Scheduled agent updates | Locks

Manage

Application groups | MSIX packages | Session hosts

Essentials

Resource group: [AVDgroup](#) Host pool type: Pooled
Location: West US Assignment type: ---
Subscription: [Free Trial](#) Management type: ---
Subscription ID: 07a8a12b-1a6b-4e95-a12b-95424b3d585c OS disk type: Standard SSD
Tags: [Add tags](#)

Virtual machines

Total machines: 1 Can connect: 1 Can't connect: 0

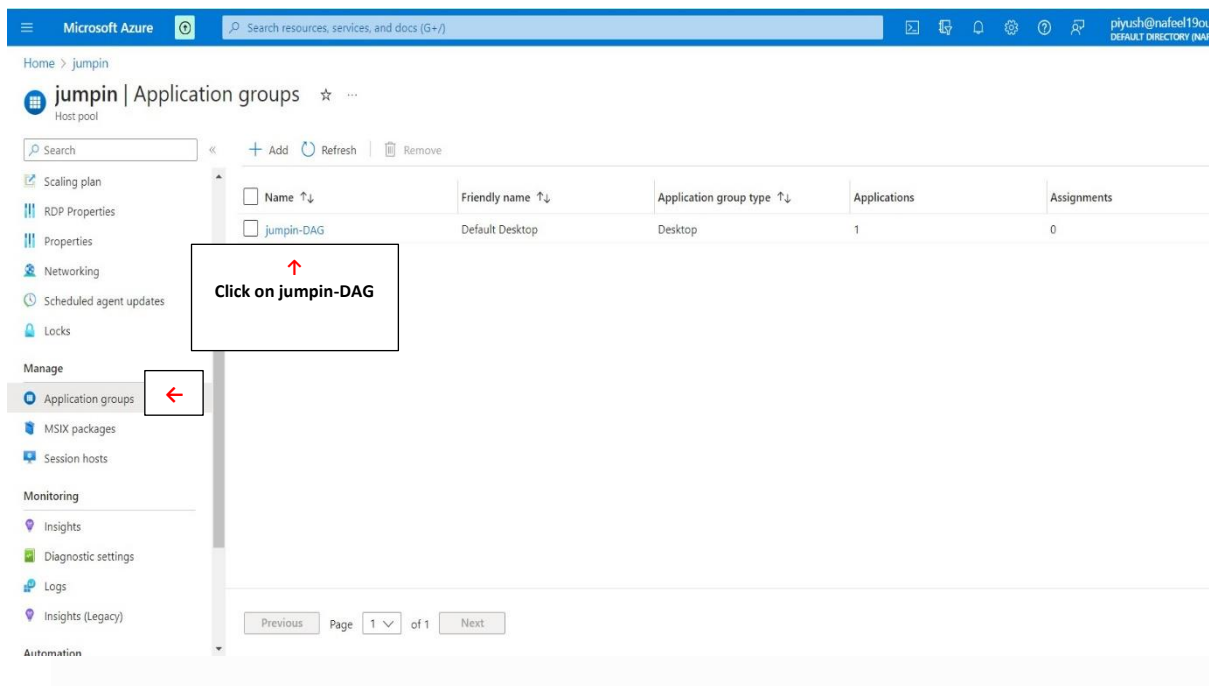
Active sessions: 0 Disconnected sessions: 0 Pending sessions: 0 Total sessions: 0

Applications

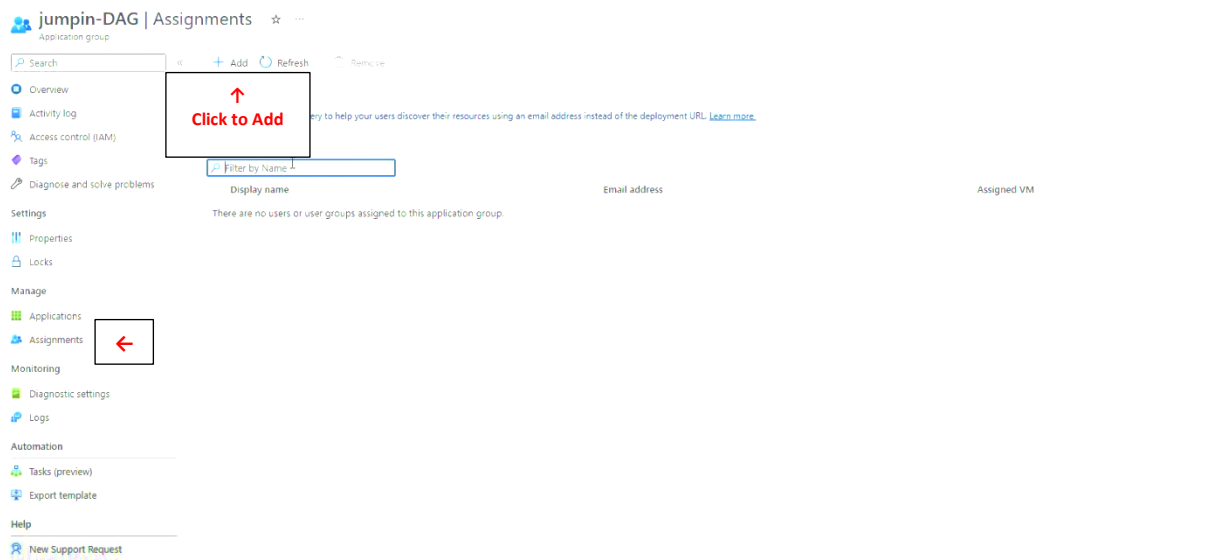
Section 3: Implement Azure Virtual Desktop Host pool

5. Assign an AD user:

- In Manage → Application groups

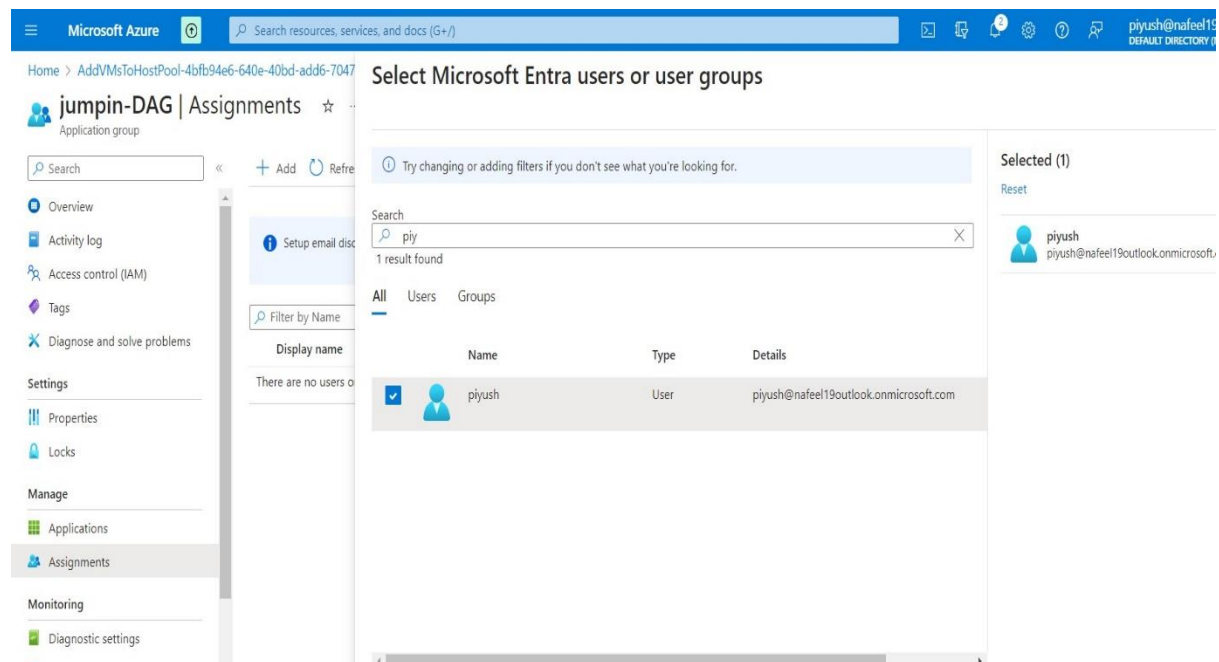


- In Application groups → Click on jumpin-DAG → In Manage → Assignments
- Click to Add member to Access AVD.



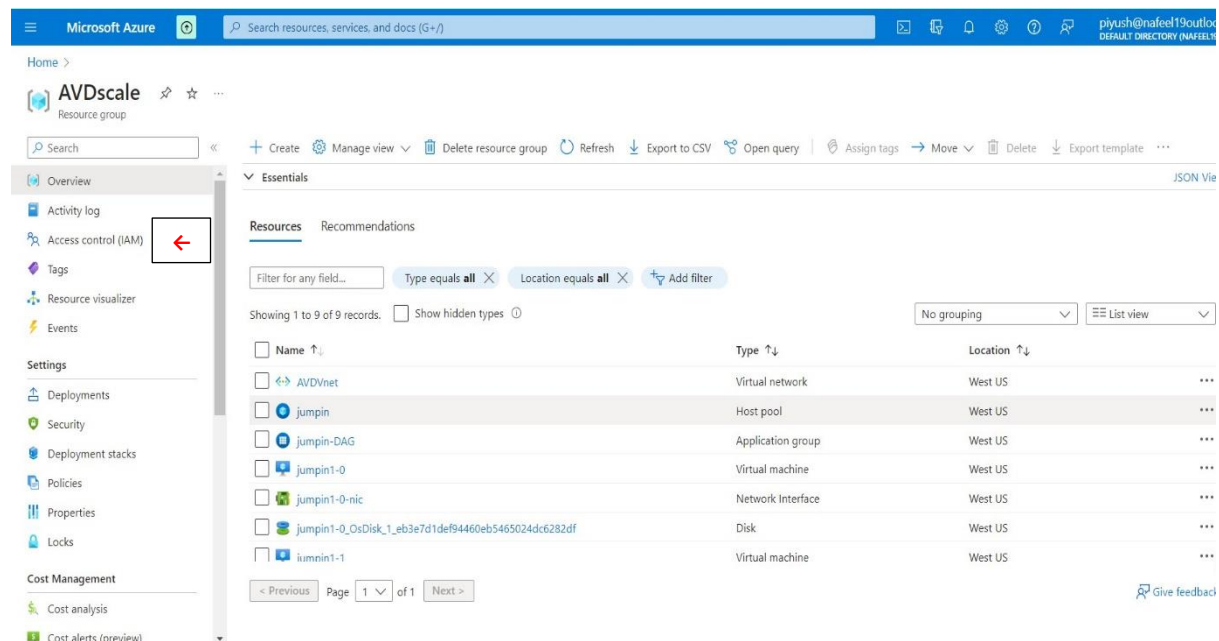
Section 3: Implement Azure Virtual Desktop Host pool

- Select Users as per requirements



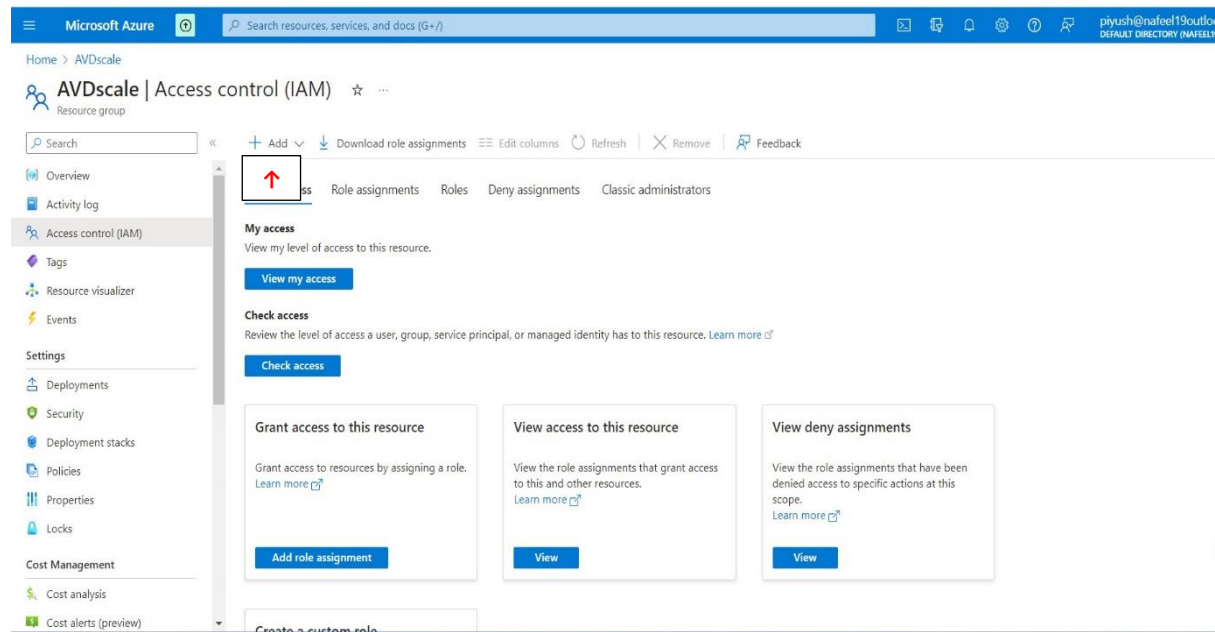
6. Add Role Assignment and Add members:

- To Access AVD, required some Additional Access Role.
- In the Azure portal, select 'Resource groups' which we Created AVDscale.
- Click on Access Control (IAM)

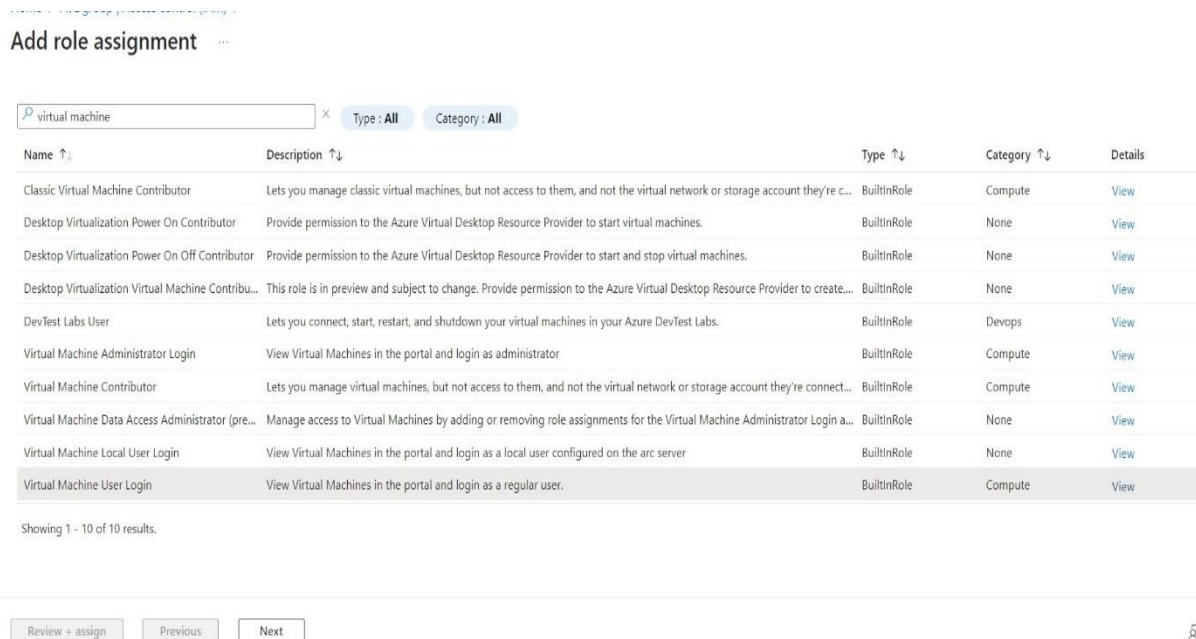


Section 3: Implement Azure Virtual Desktop Host pool

- Click to Add.



- Click on Search → Virtual Machine User login → Select and Assign
- Click to Next



Section 3: Implement Azure Virtual Desktop Host pool

Home > AVDgroup | Access control (IAM) >

Add role assignment

Role **Members** Review + assign

Selected role Virtual Machine User Login

Assign access to ☒ User, group, or service principal
☐ Managed identity

Members + Select members

← click on select

Name	Object ID	Type
No members selected		

Description Optional

Review + assign Previous Next

Select members

Select

plyush

No users, groups, or service principals found.

Selected members:

plyush
plyush@nafeel19outlook.onmicrosoft... Remove

Select Close

- Click to Select members
- Click to Assign

Home > AVDgroup | Access control (IAM) >

Add role assignment

Role **Members** Review + assign

Selected role Virtual Machine User Login

Assign access to ☒ User, group, or service principal
☐ Managed identity

Members + Select members

Name	Object ID	Type
plyush	744ca71a-3792-4ed5-bc39-c250736d35...	User

Description Optional

Review + assign Previous Next

- Again, Same Step
- Click on Search → Virtual Machine Administrator Login → Select and Assign
- Click to Next

Home > AVDgroup | Access control (IAM) >

Add role assignment

virtual machine × Type: All Category: All

Name ↑↓	Description ↑↓	Type ↑↓	Category ↑↓	Details
Classic Virtual Machine Contributor	Lets you manage classic virtual machines, but not access to them, and not the virtual network or storage account they're c...	BuiltInRole	Compute	View
Desktop Virtualization Power On Contributor	Provide permission to the Azure Virtual Desktop Resource Provider to start virtual machines.	BuiltInRole	None	View
Desktop Virtualization Power On Off Contributor	Provide permission to the Azure Virtual Desktop Resource Provider to start and stop virtual machines.	BuiltInRole	None	View
Desktop Virtualization Virtual Machine Contribu...	This role is in preview and subject to change. Provide permission to the Azure Virtual Desktop Resource Provider to create...	BuiltInRole	None	View
DevTest Labs User	Lets you connect, start, restart, and shutdown your virtual machines in your Azure DevTest Labs.	BuiltInRole	Devops	View
Virtual Machine Administrator Login	View Virtual Machines in the portal and login as administrator	BuiltInRole	Compute	View
Virtual Machine Contributor	Lets you manage virtual machines, but not access to them, and not the virtual network or storage account they're connect...	BuiltInRole	Compute	View
Virtual Machine Data Access Administrator (pre...	Manage access to Virtual Machines by adding or removing role assignments for the Virtual Machine Administrator Login a...	BuiltInRole	None	View
Virtual Machine Local User Login	View Virtual Machines in the portal and login as a local user configured on the arc server	BuiltInRole	None	View
Virtual Machine User Login	View Virtual Machines in the portal and login as a regular user.	BuiltInRole	Compute	View

Showing 1 - 10 of 10 results.

Review + assign Previous Next

Section 3: Implement Azure Virtual Desktop Host pool

- Click to Select members And Assign

Home > AVDgroup | Access control (IAM) >

Add role assignment

Role: **Members** Review + assign

Selected role Virtual Machine Administrator Login

Assign access to ☒ User, group, or service principal ☐ Managed identity

Members + Select members **← click on select**

Name	Object ID	Type
piyush	744ca71a-3792-4ed5-bc39-c250736d35...	User

Description Optional

Review + assign Previous Next

Select members

Select ①

piyush

No users, groups, or service principals found.

Selected members:

- piyush
piyush@nafeel19outlook.onmicrosoft... Remove

Select Close

7. Add virtual desktop workspaces:

- In Azure Portal, search for Azure Virtual Desktop.
- Click on Create a host pool.
- In Mange → Click on Workspace.
- Click to Create Workspace.

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > Azure Virtual Desktop

Azure Virtual Desktop | Workspaces

Search

« + Create Manage view Refresh Export to CSV Open query Assign tags Delete

Subscription equals all Resource group equals all Location equals all Add filter

Showing 0 to 0 of 0 records.

No grouping List view

Name	Resource group	Location	Subscription	Applicati...
------	----------------	----------	--------------	--------------

No workspaces to display

Try changing or clearing your filters.

Create workspace

Learn more

Give feedback

Section 3: Implement Azure Virtual Desktop Host pool

- Add existing created Resource group AVDScale.
- Add a Workspace name and location West US, keep same location for all the process in AVD.

The screenshot shows the 'Create a workspace' page in the Azure portal. The page is titled 'Create a workspace' and includes a breadcrumb 'Home > Azure Virtual Desktop | Workspaces >'. Below the title, there is a link 'to them if it is registered to a workspace. Learn more >'. The 'Project details' section asks to 'Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.' It has two dropdowns: 'Subscription' (set to 'Free Trial') and 'Resource group' (set to 'AVDScale', with a 'Create new' link below it). The 'Instance details' section has four fields: 'Workspace name' (set to 'AVDScalework'), 'Friendly name' (empty), 'Description' (empty text area), and 'Location' (set to 'West US'). At the bottom, there are three buttons: 'Review + create' (highlighted in blue), '< Previous', and 'Next: Application groups >'.

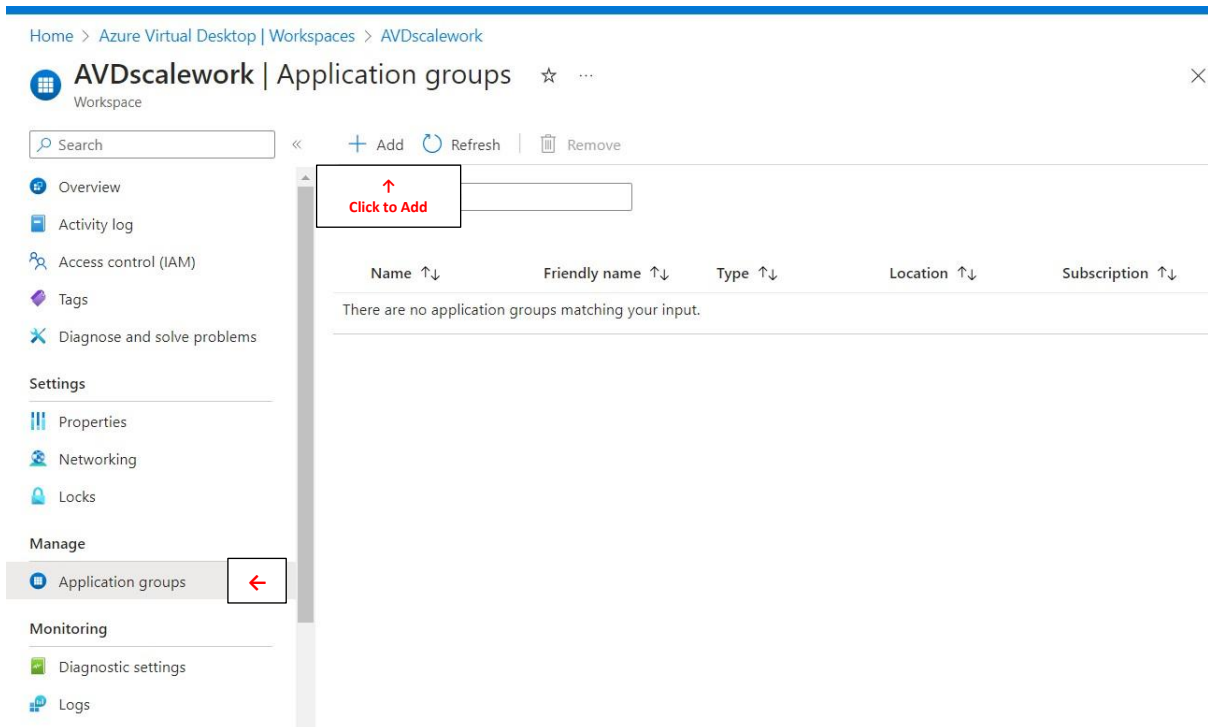
- Click to Create Workspace.

The screenshot shows the 'Overview' page for a deployment in the Azure portal. The page title is 'Workspace-7193c2c3-bd62-43d2-b1e7-f269359b608f-deployment | Overview'. On the left, there is a sidebar with 'Overview' (selected), 'Inputs', 'Outputs', and 'Template'. The main content area shows a green checkmark and the text 'Your deployment is complete'. Below this, it lists 'Deployment name : Workspace-7193c2c3-bd62-43d2-b1e7-f269359b60...', 'Subscription : Free Trial', and 'Resource group : AVDScale'. It also shows 'Start time : 30/01/2024, 16:58:45' and 'Correlation ID : 501d6267-56b0-47ca-963c-6a17bd324688'. There are sections for 'Deployment details' and 'Next steps' (with a 'Manage application groups Recommended' link and a 'Go to resource' button). At the bottom, there is a 'Give feedback' section with a link 'Tell us about your experience with deployment'. On the right, there is a 'Deployment succeeded' notification and a 'Cost management' section with a link 'Set up cost alerts >'.

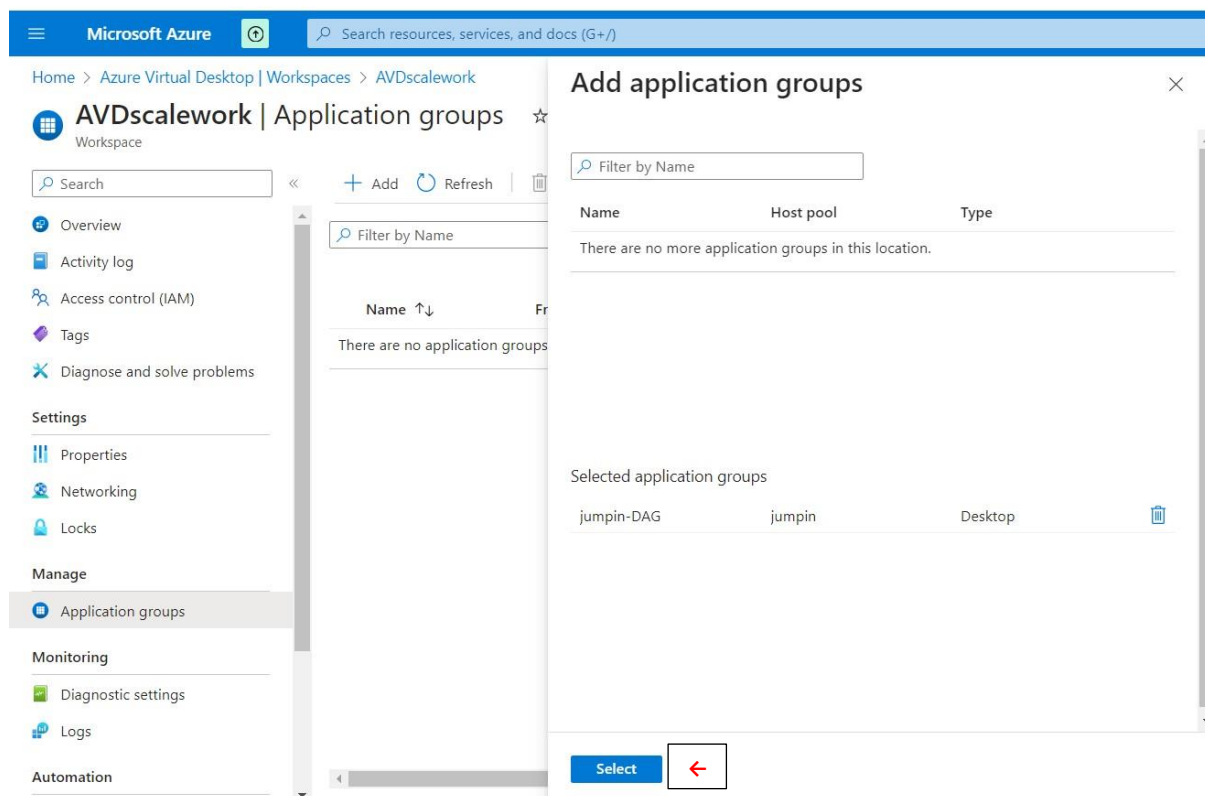
- In Manage → Click on Application group.

Section 3: Implement Azure Virtual Desktop Host pool

- Click on Add



- Select that Application groups, which we Created by host pool.



Section 3: Implement Azure Virtual Desktop Host pool

8. Configure Virtual Desktop host pools:

- In Azure Portal, search for Azure Virtual Desktop.
- Click on Host pool we Created jumpin
- In settings → Click RDP properties.

Microsoft Azure

Search resources, services, and docs (G+)

Home > AddVMsToHostPool-4bf94e6-640e-40bd-add6-7047db0910ad-deployment | Overview >

jumpin
Host pool

Search

Registration key Refresh Delete Start Restart Stop

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Scaling plan

RDP Properties

Properties

Networking

Scheduled agent updates

Locks

Manage

Application groups

MSIX packages

Essentials

Resource group (move) : AVDScale

Location : West US

Subscription (move) : Free Trial

Subscription ID : 07a8a12b-1a6b-4e95-a12b-95424b3d585c

Tags (edit) : Add tags

Host pool type : Pooled

Assignment type : ---

Management type : ---

OS disk type : Standard SSD

Virtual machines

Total machines : 1

Can connect : 1

Can't connect : 0

Active sessions : 0

Disconnected sessions : 0

Pending sessions : 0

Total sessions : 0

Applications

- Click on Advanced

Microsoft Azure

Search resources, services, and docs (G+)

Home > Azure Virtual Desktop | Host pools > jumpin

jumpin | RDP Properties

Host pool

Search

Download template

Connection information Session behaviour Device redirection Display settings Advanced

Before you enable Microsoft Entra single sign-on, make sure to follow the directions in our documentation for the best experience. [Learn more](#)

Microsoft Entra single sign-on : Not configured

Credential Security Support Provider : RDP will use CredSSP if the operating system supports CredSSP

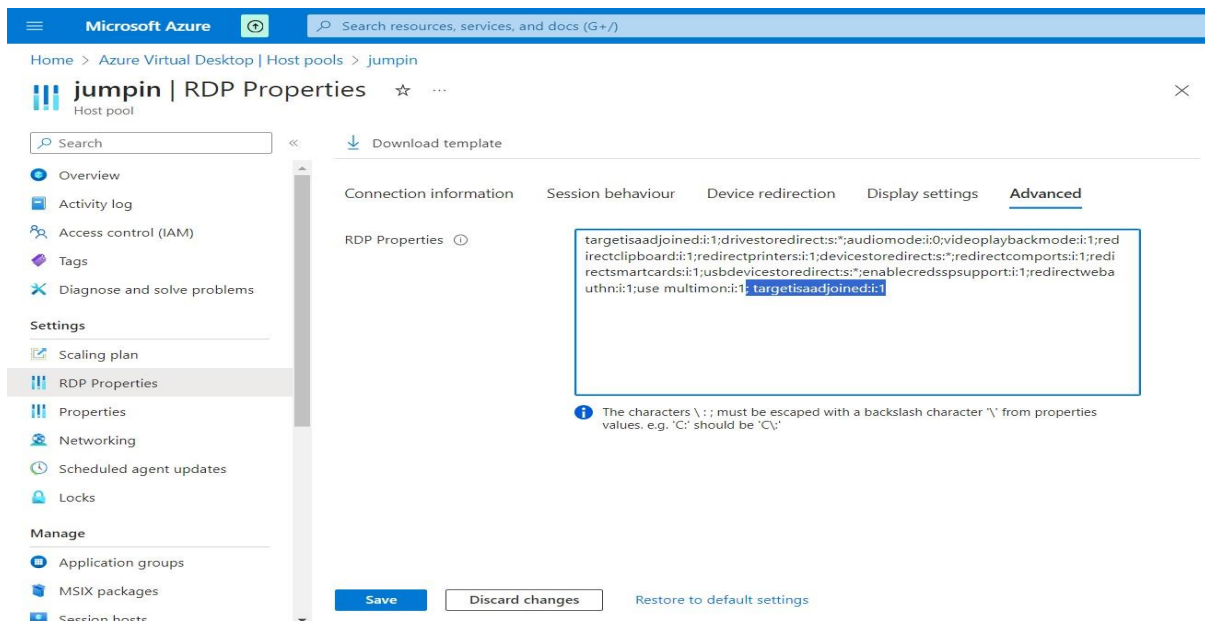
Alternate shell : C:\Program Files\Office\word.exe

KDC proxy name : kdc.contoso.com

Save Discard changes Restore to default settings

Section 3: Implement Azure Virtual Desktop Host pool

- In Advanced type this → ;targetisaadjoined:i:1
- Click to Save

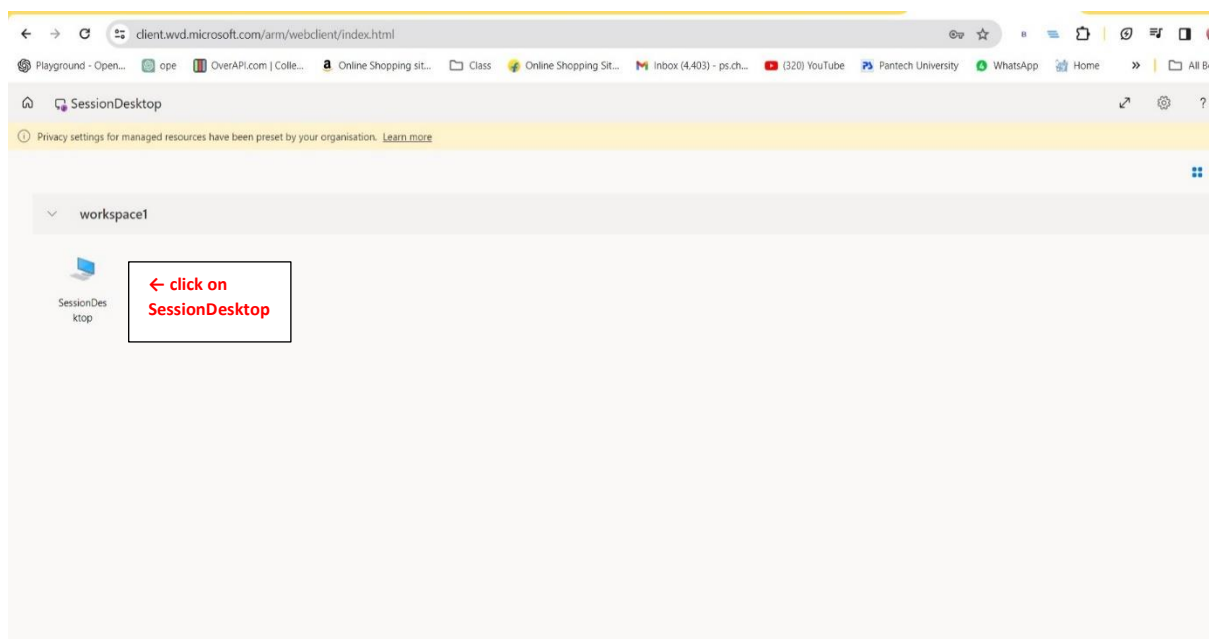


9. Log in to the Azure Virtual Desktop:

- After configuring your AVD host pool, you're ready to login to the Azure Virtual Desktop.
- You can use the following link:

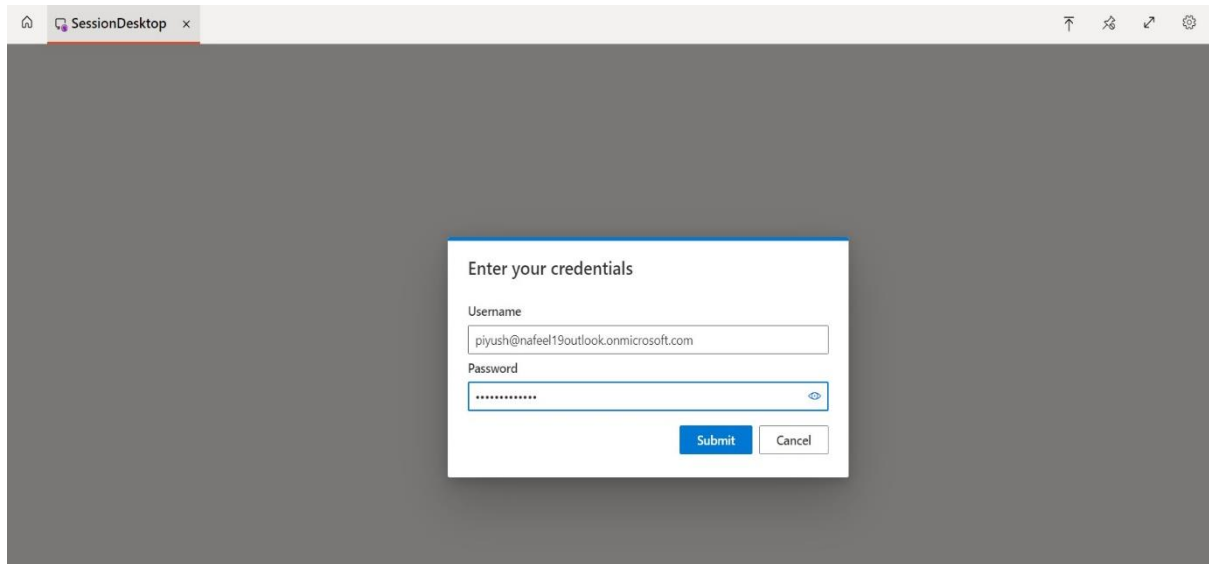
<https://rdweb.wvd.microsoft.com/arm/webclient/index.html>

- Copy this link and past in new tab
- Click on Session

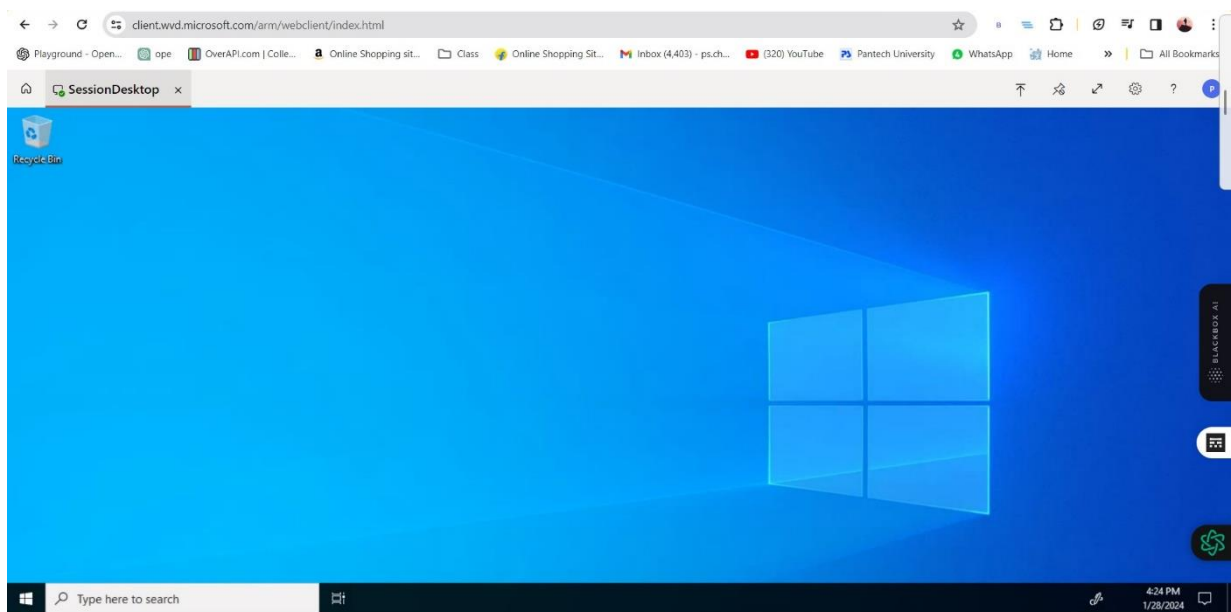


Section 3: Implement Azure Virtual Desktop Host pool

- Enter Username As per Selected AD User and Assign Role
- Enter Password and Click to Submit.



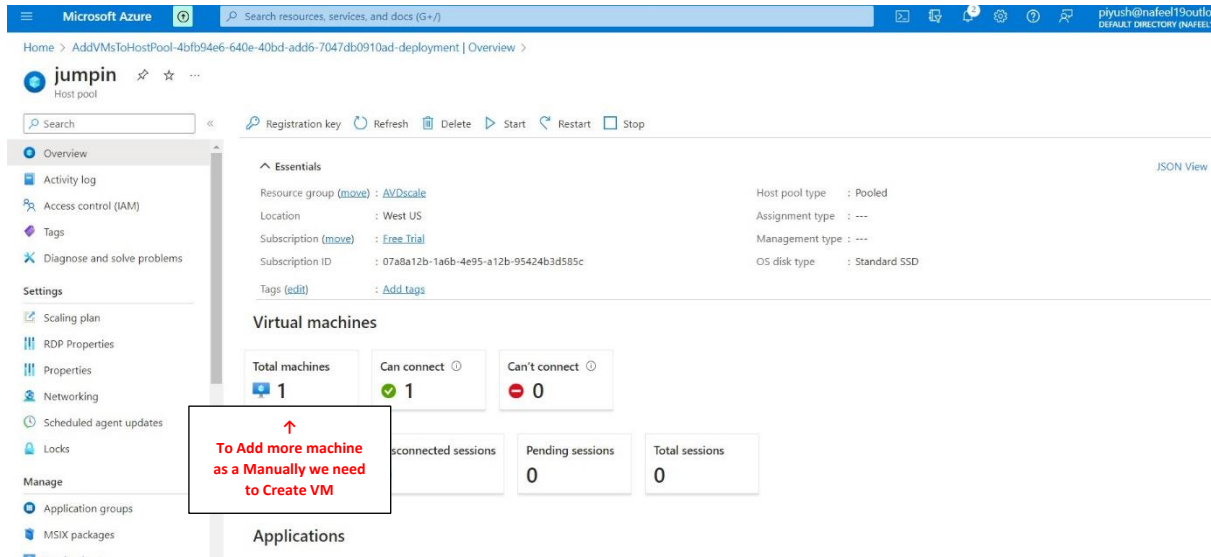
- Now AVD Session Desktop Setup is Ready



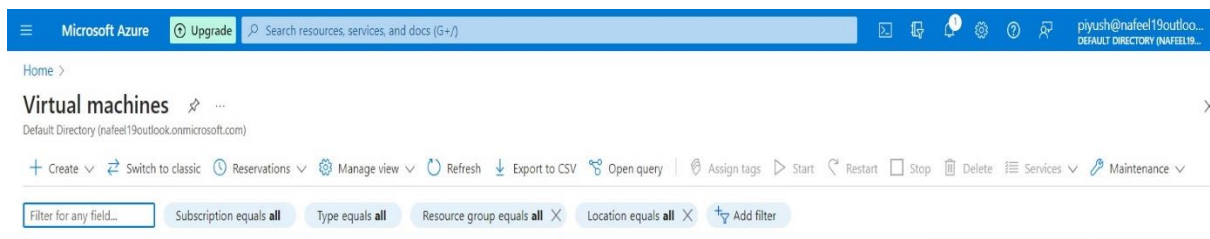
Section 3: Implement Azure Virtual Desktop Host pool

10. To Add Session host manually to Host pool:

- Open Created, Host pool
- We can see, we have Total machine 1.
- So, to Add one more session host manually to host pool we need VM



- In the Azure portal, select Virtual Machine
- Click to Create VM



- In the Virtual Machines tab,
- Add existing created Resource group AVDScale.
- Add VM name as per requirement
- Existing created Region west US
- Image As per requirement

Section 3: Implement Azure Virtual Desktop Host pool

Microsoft Azure

Search resources, services, and docs (G+)

Home > Virtual machines >

Create a virtual machine

⚠ Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

Resource group * [Create new](#)

Instance details

Virtual machine name * ✓

Region * ✓

Availability options ✓

Security type ✓
[Configure security features](#)

Image * ✓
[See all images](#) | [Configure VM generation](#)

VM architecture ☐ Arm64 ☒ x64

[Review + create](#) < Previous Next: Disks > [Give feedback](#)

- Select size as per requirement
- As a last step in this tab, put user name and Password administrator account so you can access the VM

Microsoft Azure

Search resources, services, and docs (G+)

Home > Virtual machines >

Create a virtual machine

⚠ Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

Size * ✓
[See all sizes](#)

Enable Hibernation (preview) ☐
ⓘ To enable Hibernation, you must register your subscription. [Learn more](#)

Administrator account

Username * ✓

Password * ✓

Confirm password * ✓

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

[Review + create](#) < Previous Next: Disks > [Give feedback](#)

Section 3: Implement Azure Virtual Desktop Host pool

- Os disk as per requirement

Microsoft Azure

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

piyush@nafeel19outl
DEFAULT DIRECTORY (NAFEE

Home > Virtual machines >

Create a virtual machine

Encryption at host is not registered for the selected subscription.
[Learn more about enabling this feature](#)

OS disk

OS disk size Image default (127 GiB)

OS disk type * Premium SSD (locally-redundant storage)

Delete with VM ☒

Key management Platform-managed key

Enable Ultra Disk compatibility ☐
Ultra disk is not supported for the selected VM size Standard_DS1_v2 in West US.

Data disks for VmScale1

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM
Create and attach a new disk Attach an existing disk					

Review + create

< Previous

Next : Networking >

Give feedback

- Network interface keep Default

Microsoft Azure

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

piyush@nafeel19outl
DEFAULT DIRECTORY (NAFEE

Home > Virtual machines >

Create a virtual machine

Basics

Disks

Networking

Management

Monitoring

Advanced

Tags

Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
[Learn more](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * AVD/Vnet
[Create new](#)

Subnet * default (10.0.0/24)
[Manage subnet configuration](#)

Public IP (new) VmScale1-ip
[Create new](#)

NIC network security group ☐ None
☒ Basic
☐ Advanced

Public inbound ports * ☐ None

Review + create

< Previous

Next : Management >

Give feedback

Section 3: Implement Azure Virtual Desktop Host pool

- Click to Create VM

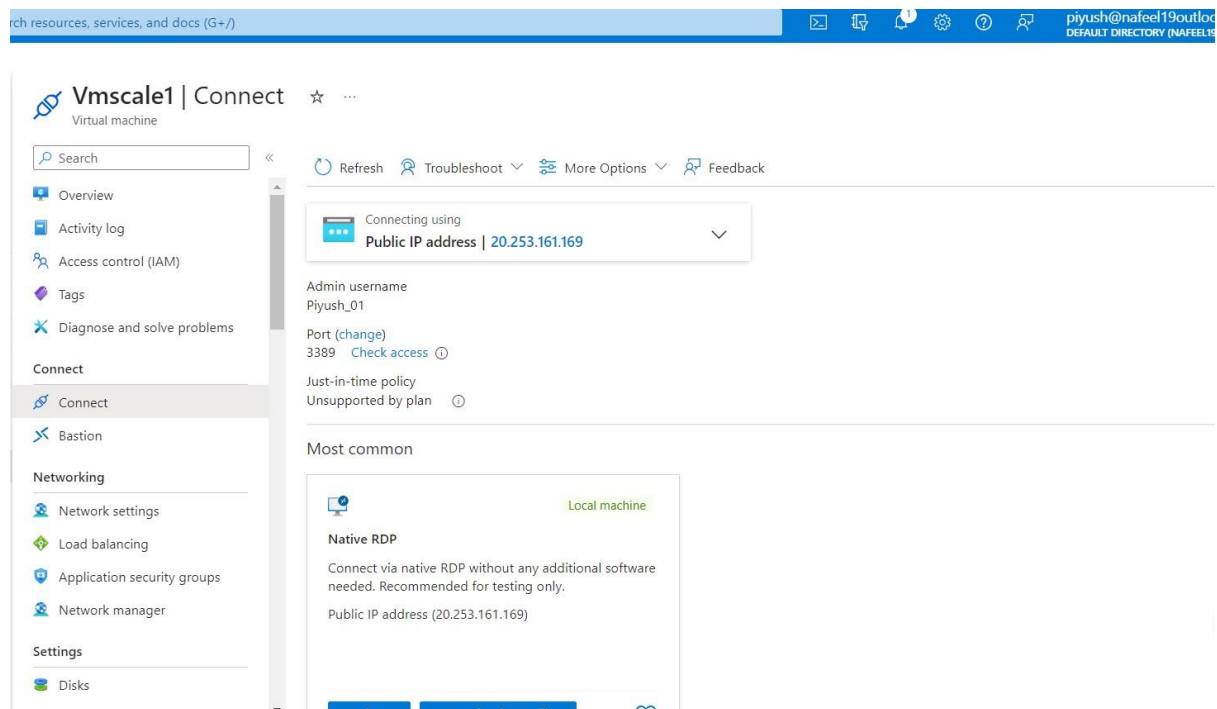
The screenshot shows the Azure portal interface for a deployment named 'CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20240130175349'. The deployment is complete, with a green checkmark and the message 'Your deployment is complete'. The deployment details show it was created on 30/01/2024 at 17:56:03, using a 'Free Trial' subscription and the 'AVDscale' resource group. The 'Next steps' section recommends setting up auto-shutdown, monitoring VM health, and running a script inside the virtual machine. On the right, there are links for 'Cost Management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'.

- Click to Connect VM

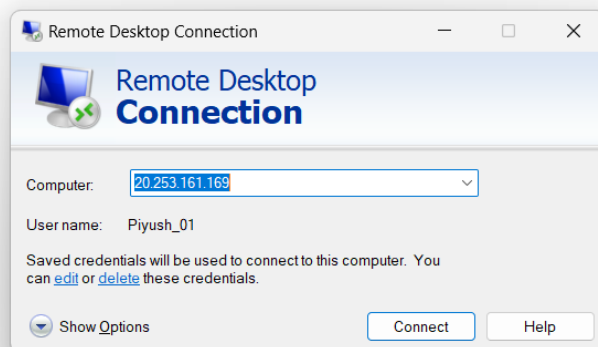
The screenshot shows the Azure portal interface for a virtual machine named 'Vmscale1'. The 'Connect' button is highlighted with a red box. The 'Essentials' section shows the VM is running in the 'AVDscale' resource group, located in 'West US'. The 'Properties' section shows the computer name is 'Vmscale1' and the operating system is 'Windows (Windows 10 Pro)'. The 'Networking' section shows the public IP address is '20.253.161.169' and the network interface is 'vmscale1282'.

Section 3: Implement Azure Virtual Desktop Host pool

- Copy that public Ip address



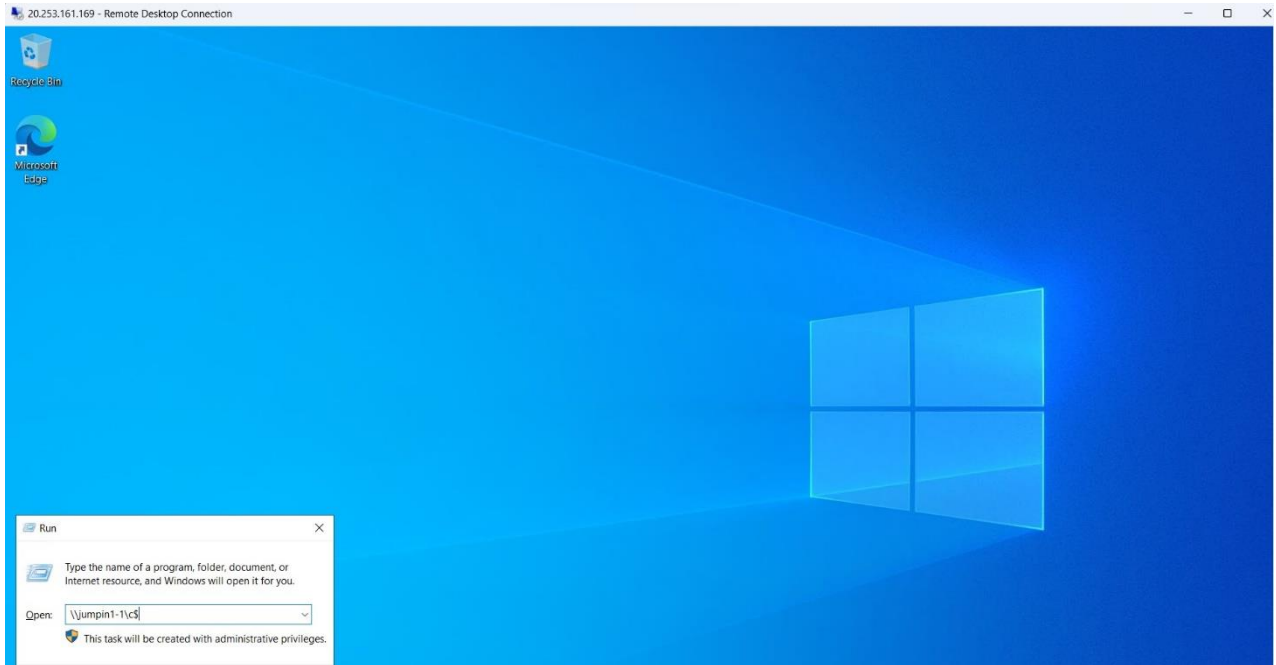
- Click on start menu and Search Remote Desktop connection
- Past the ip address



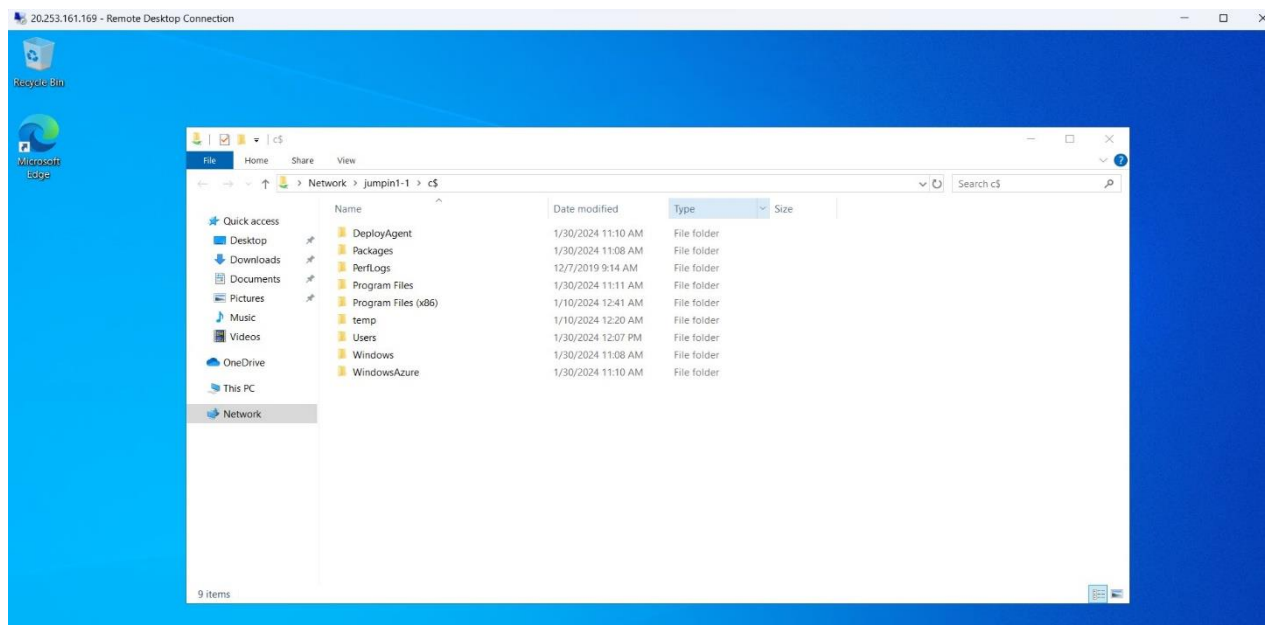
- VM is ready

Section 3: Implement Azure Virtual Desktop Host pool

- To Connect our VM to AVD we need to install infraAgent
- Select window
- And type \\jumpin1-1\c\$
- Jumpin1-1 is Host pool Machine name which we created

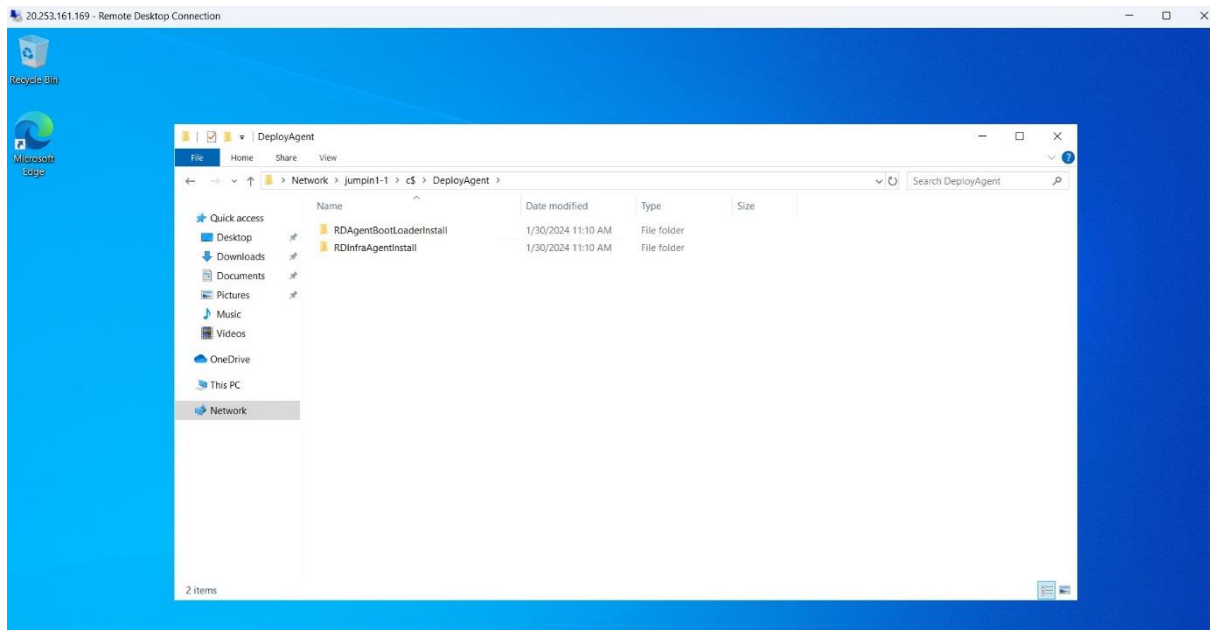


- Click on Deploy Agent

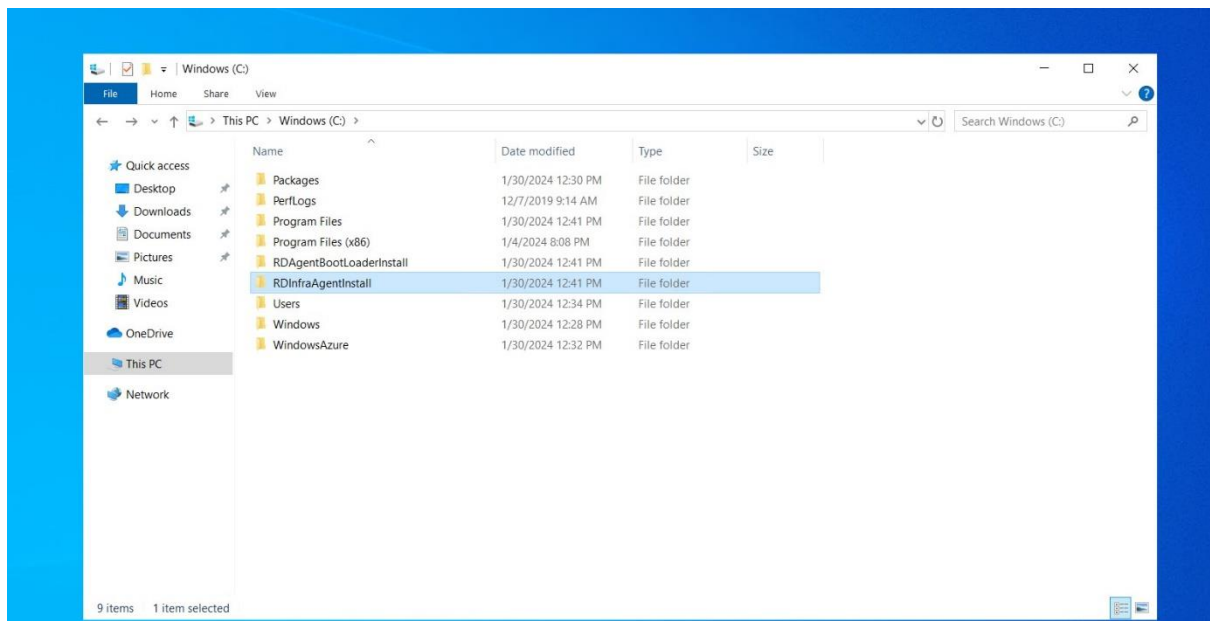


Section 3: Implement Azure Virtual Desktop Host pool

- Select that two file and copy into this Pc, C drive.

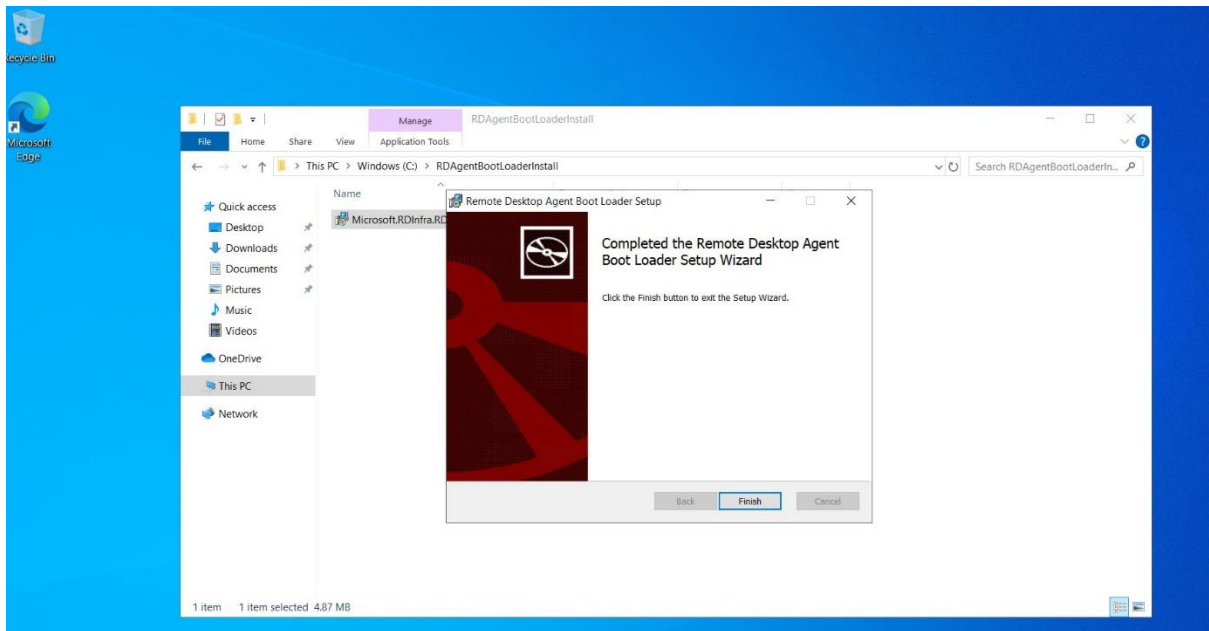


- After that click to RDAgentBootLoaderInstall

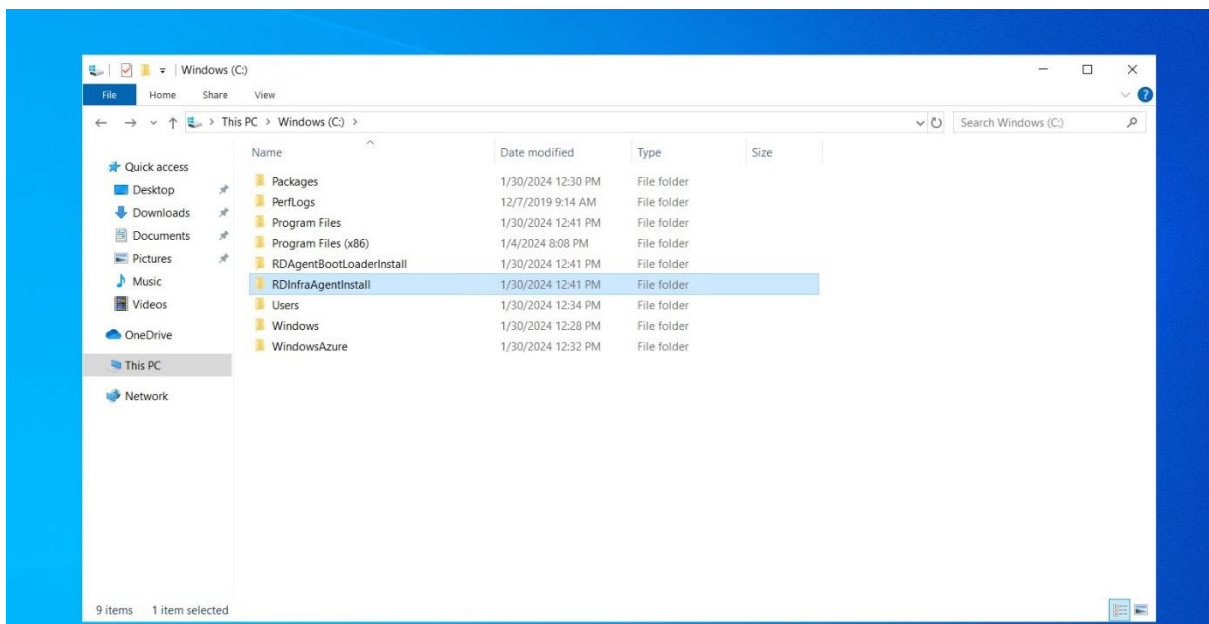


Section 3: Implement Azure Virtual Desktop Host pool

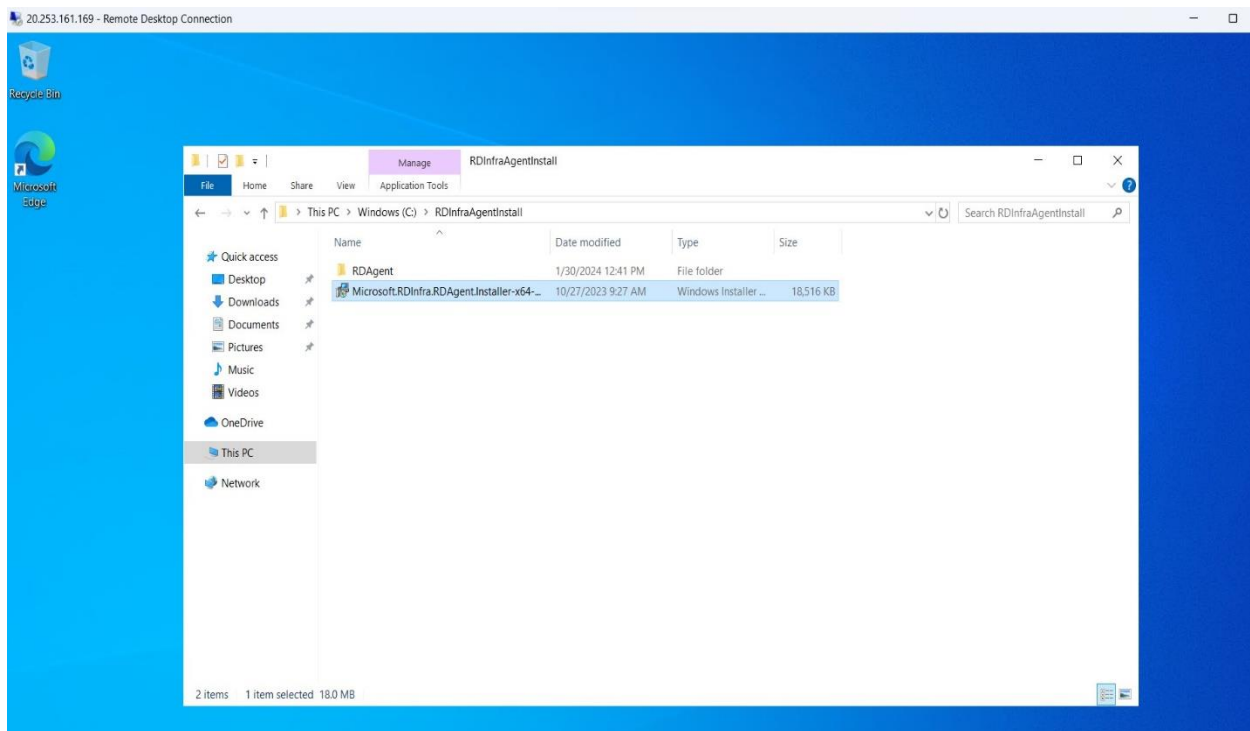
- Click to install



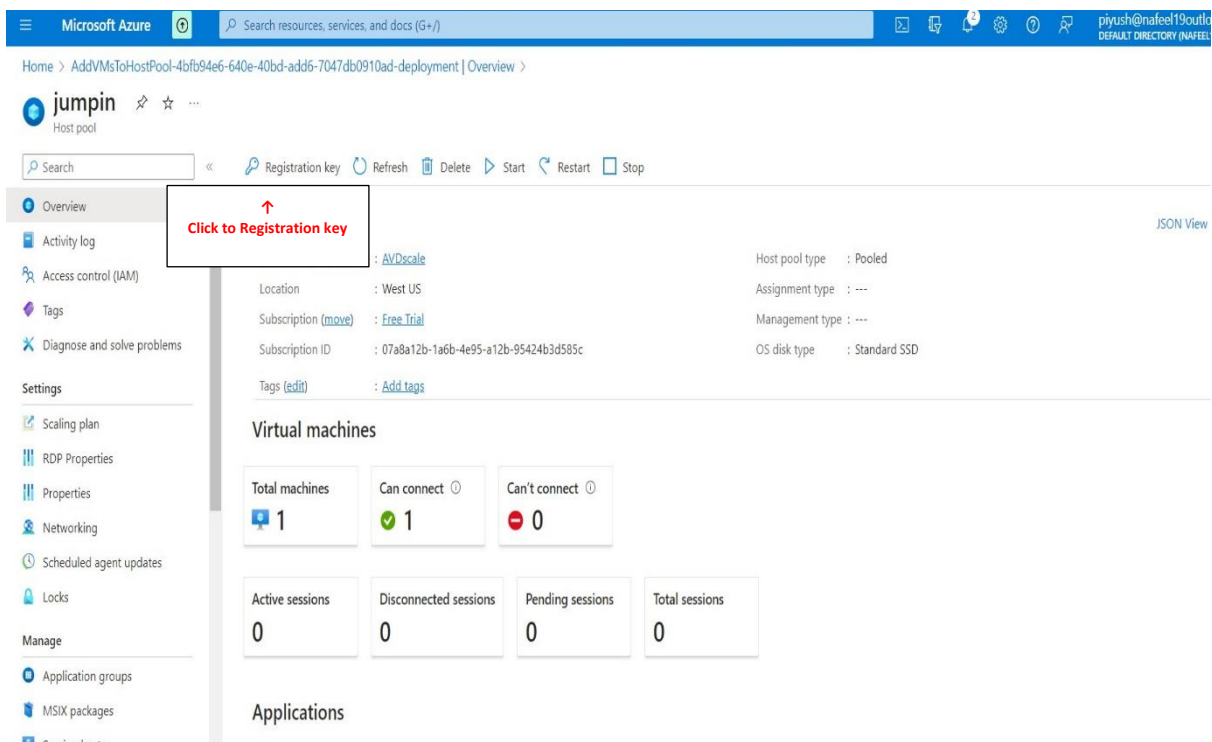
- After that click to RDInfraAgentinstall



Section 3: Implement Azure Virtual Desktop Host pool



- To Install RDInfraAgentinstall we required host pool Registration Key to Connect VM to AVD
- Go to Azure portal, Search AVD Host pool we create

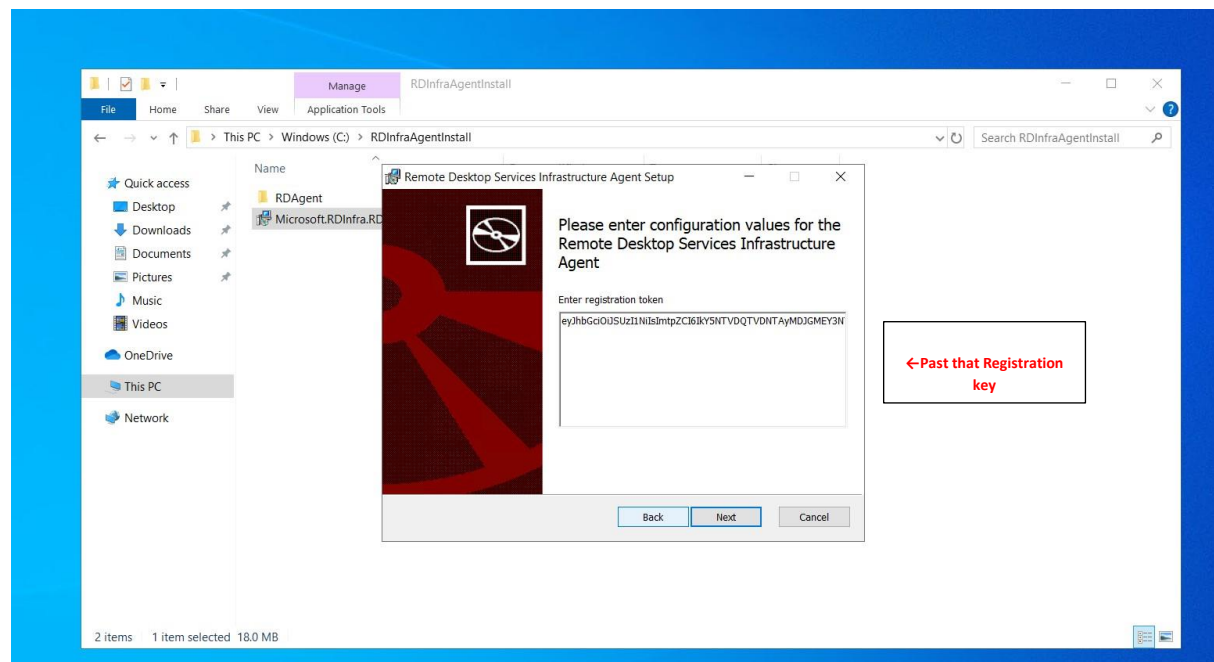


Section 3: Implement Azure Virtual Desktop Host pool

- Copy that Registration Key

eyJhbGciOiJIUzI1NiIsInRlpmZC6kY29NTVDQTVDTA0MDJGMGEyMjNtOUE2MQQ3bkM4NDUNFNjBZNz13ODkiLCJOeXAiOiJKV1QiQifQ.eYJSZWdpc3RyYXRpb25JZCI6ImVIMGE1MDQ0LWVmOWQtNDc1Ny04MzY1LWRIM2YzZjgxYWxYSlsklJyb2tlclVyaSI6Imh0dHBzOi8vcvcmRicm9rZXItZy11cy1yMC53dmQubWljcm9zb2Z0LmNvbS8iLCJEaWFnbnm9zdGljc1VyaSI6Imh0dHBzOi8vcvcmRkaWFbnm9zdGljcy1nLVxzLXlwLnd2ZC5taWNyb3NvZnQuY29tLyIsIkVuZHBvaW50UG9vbElkljoiNzA4NDJkYjYtYtYzFiYy00Njg0LTk4OTMtNWWEyMGZIY2EwMTNkliwiR2xvYmFsQnJva2VyVXJpljoiaHR0cHM6Ly9yZGJyb2tlci53dmQubWljcm9zb2Z0LmNvbS8iLCJHZW9ncmFwaHkiOiJVUyIsIkdsb2JhbEJyb2tlclJlc291cmNISWRVcmkiOiJodHRwcovLzcwODQyZGI2LWMxYmMtNDY4NC05ODkzLTVhMjBmZWZhMDExZCY5ZGJyb2tlci53dmQubWljcm9zb2Z0LmNvbS8iLCJCcm9rZXISZXNvdXJzUlklVXJpljoiaHR0cHM6Ly83MDdg0MmRiNi1jMWJjLTQ2ODQtOTg5My01YTlWZmVjYTAxM2QucmRicm9rZXItZy11cy1yMC53dmQubWljcm9zb2Z0LmNvbS8iLCJEaWFnbnm9zdGljc1Jlc291cmNISWRVcmkiOiJodHRwcovLzcwODQyZGI2LWMxYmMtNDY4NC05ODkzLTVhMjBmZWZhMDExZCY5ZGRpYWdub3N0aWNzLWctdXMtcjAud3ZkLm1pY3Jvc29mdC5jb20vliwiQUFEVGvuYW50SWQjOiJjNTNiNjE3NC05NTQ2LTRiOTMtYjRIYS01Y2E0ZTk5ZGUwYmEiLCJuYmYiOiJlE3MDY2MTlwOTgsImV4cCI6MTcwNjY5ODQ2NiwiaXNzIjoiaUkrJBmZyYVRva2VuTWFuYmldcilsmf1ZCI6IlIEBwkifQ.lp2tSGAd_LwaiCPHX6sOy_BdeEpkmBxyDMvsF1_jgb44hoatQ_nyFv_8lhVJ4BCUCbOg44zgQ4_CjDVec6-H5NmIcXIUIFu7VTelSYFMda7njfs2iqK3r9eq8De3WeOH0DQqY7x-UUXsb793IO-39Zurl3nJOKZ1gV5Q0gcVtLtkL0pWJ7vxq2y5GPuh_uAx9Vs2SWoNOFVN06f7t9kL1HPnPJgdxrMtIU_iKbZ4u_w7STxfRB-CPnpHhMv6whPOFAbyd5o-YhAmfJm9V_sjQxlflru8yOdiQc9p0TzxWyHKDOEFZAboZC_zpDV3q5Qf3Lzh2xfmmMGUMNcdtNQ

- Past that Registration Key



Section 3: Implement Azure Virtual Desktop Host pool

- we can see two Machines are Available.

Microsoft Azure

Home > Azure Virtual Desktop | Host pools >

jumpin
Host pool

Search

Registration key Refresh Delete Start Restart Stop

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

Settings

- Scaling plan
- RDP Properties
- Properties
- Networking
- Scheduled agent updates
- Locks

Manage

- Application groups
- MSIX packages

Essentials

Resource group ([move](#))
[AVDscale](#)

Location
West US

Subscription ([move](#))
[Free Trial](#)

Subscription ID
07a8a12b-1a6b-4e95-a12b-95424b3d585c

Tags ([edit](#))
[Add tags](#)

Host pool type
Pooled

Assignment type

Management type

OS disk type
Standard SSD

Virtual machines

Total machines
2

Can connect
2

Can't connect
0

Active sessions
0

Disconnected sessions
0

Pending sessions
0

Total sessions
0

- Now we can see Add one more session host manually to host pool

Microsoft Azure

Home > Azure Virtual Desktop | Host pools > jumpin >

jumpin - Session hosts
Host pool

+ Add Refresh Export to CSV Turn drain mode on Turn drain mode off Assignment Remove Start Restart Stop

Filter by Name Status: 12 selected Drain mode: 2 selected

Name	Power state	Health state	Total sessions	Drain mode	VM Resource group	VM Location	Subscription	Agent version
jumpin1-1	Running	Available	0	Off	AVDscale	West US	Free Trial	1.0.7909.2600
Vmscale1	Running	Unavailable	0	Off	AVDscale	West US	Free Trial	1.0.7539.8300