# **Creating Azure Active Directory Domain Controller and Client Machines**

#### Things you will need:

1. Microsoft Azure Account (You can make an account and they will give you \$200 in credits to use for 30 days)

In this guide, I will be walking you through how to setup an Active Directory Server and Client Machine in Microsoft Azure. At the end of this tutorial, you will understand how to setup a Domain Controller, join a Windows machine to a domain, setup users, and configure roles. If you're ready, let's begin.

### Part 1, Preparing the environment:

1. Begin by creating a new resource group. Go to the search bar at the top and type in resource groups. Click on the resource groups selection.

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2. You should see a page called resource groups. Click on create.

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3. You can leave the subscription and region selection as their default selection. Give the resource group a name and then click on review and create.

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4. Azure will run a validation check to ensure everything is in order before allowing you to create it. The validation check should pass and will enable you to proceed. Click create at the bottom of the page.



5. Now you should see your newly created resource in your resource groups page. You should have also gotten a notification that the resource group was created.

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6. This step is important. Before we create the virtual machines, we need to create the virtual network. In the search bar at the top, type in virtual network and click on it from the drop-down menu.



7. In the virtual network dashboard, click on create to make the new virtual network that both your Windows Server and Windows 10 machines will connect to.



 In this first tab, click on the drop-down list for resource group and select the resource group you made in the earlier steps. Also give your virtual network a name. Once this is done, click on the IP addresses tab at the top.

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9. Here you want to go ahead and create the IP address and number of addresses to use. These are done in CIDR notation. Go ahead and pick an IP address and range you wish to use. I'm doing the IP address 10.1.1.0 with a CIDR notation of /24. That will give 256 addresses and its more than enough for this project. Click on Review and create.

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10. You should be ready to create the virtual network. Go ahead and click Create.

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You have completed the prerequisite and are ready to move on to the next part of this tutorial.

### Part 2, Creating Virtual Machines:

1. We need to create the two virtual machines. Start by typing in virtual machines in the search bar and clicking on it.



2. In the virtual machine dashboard, you want to click create and click on azure virtual machine.

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(	More VMs and related solutions Discover and deploy full workloads and Azure products for your business needs	Azure subscription 1	Active-Directory-Lab	East US	S

3. You will be greeted with this screen below. The three things you need to do is select the existing resource group you created earlier, give your virtual machine a name, and make sure you select the same region as the resource group and virtual network.

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4. Scroll down a little bit and select the Windows Server 2022 Datacenter: Azure Edition Hotpatch from images drop down. You will also select the Standard dc2sz\_v3 – 2 vcpus, 16gib memory from the size drop down. Finally, create a username and password for the administrator account.

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5. Scroll back to the top and select Networking from the top row.

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6. All we are doing here is making sure we select our virtual network we created earlier. Once you verify that we are using the already created virtual network, click on review and create.

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7. It will run another validation check. Once it says validation passed, click on create.

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8. This part will take at least a minute or two. It is provisioning the virtual machine. Once this is done, it will say the deployment is complete. Now that we made the virtual Windows Server machine, let's go ahead and make a virtual client machine. Click on create another vm.

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9. The settings for this virtual machine will be like the virtual Windows Server machine. Make sure you select the same resource group and region as the virtual windows server and virtual network you created in earlier steps. Give the client virtual machine a name. Scroll down a bit after this is complete.

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10. Go ahead and select the Windows 10 Pro image from the image drop down. Select the Standard dc2ds\_v3 – 2 vcpus, 16 gib memory size. Finally, create a username and password for the administrator account. At the very bottom of the page, check the box that says, "I confirm I have an eligible Windows 10/11 license with multi-tenant hosting rights."

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11. Scroll back to the top of the page and select the Networking tab.

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12. Make sure the virtual network and subnet are identical to the virtual server we created earlier. Click on review and create.

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13. This will perform another validation check. Once it says validation passed, click create at the bottom of the screen.

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back to B	lasics tab.									
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Virtual machine Region	name	client-1 South Central LI	-							
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14. Wait for it to finish deploying. Once it is done, you will be ready to begin provisioning the server and client for Active Directory. Click home.



You have completed this part of the tutorial and are ready to move onto the next part.

#### Part 3, Configuring the Virtual environments:

1. From the home screen, click on the virtual machines button under azure



2. You should see both virtual machines we just created earlier. Click on the Windows Server machine. I named mine "dc-1"

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( 🗆 🐺 de-1	Azure subscription 1	Azure-Ad-Lab	South Central US	Running	Windows	Standard_DC2ds_v3	20.	165,105.2	27		1	

3. You'll know you clicked the correct virtual machine when you see Windows Server as the operating system in the overview tab. Make a note of the Private IP address. Click on Network Settings under the Networking tab.

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#### 4. Click on the Network Interface name.



5. Click on the name towards the bottom of the page. A tab will open. Click on the static option for the Private IP address. Click on Save.

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6. Click on virtual machines at the top.

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7. Click on the Windows Server virtual machine.

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📮 dc-1	Azure subscription 1	Azure-Ad-Lab	South Central US	Running	Windows	Standard_DC2ds_v3	20.165.105.227	1	

8. Click on Connect and then a drop-down menu will appear. Click on Connect

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act i	X Diagnose and solve problems	Status : Running		Size : 1	standard DC2ds v3 (2 vcpus, 16 GiB memory)	
	> Connect	Location : South Central US (Zone	3]	Public IP address :	20.165.105.227	
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Page 1 V of 1 >		Capacity reservation group		_		
		capacity rescalation group		Source image detail		

9. On this screen, it will show options as to how to connect to the virtual machine. I'm using windows myself so I'm going to download the RDP file. If a prompt comes up asking about whether to keep or delete the file, select keep. It should download the RDP file.



10. Open the downloaded RDP file and this prompt will come up. Click on connect

	Connecting using Public IP address   20.165.105.227	
AM)		
	Admin 💀 Remote Desktop Connection security warning 🛛 🗙	
ve problems	Port (c Just-in The publisher of this remote connection can't be identified. Do you want to connect anyway?	
	This remote connection could harm your local or remote computer. Do not connect unless you know where this connection came from or have used it before.	
	Publisher: Unknown publisher	
nin Center	Type: Remote Desktop Connection Remote computer: 20.165.105.227 Nat	
	Co Don't ask me again for connections to this computer	
igs 9	Put Show Details	
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11. Another prompt will ask for the password you created when you made the virtual machine. Enter the password and click OK.

○ ≪	🕐 Refresh 🛛 R Troubleshoot 🗸 🏂 More Options 🗡 🖉 Feedback
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ıgs	Connect vi needed. Re Remember me
J	Public IP a
curity groups	More choices
iger	Select Cancel
	✓ More ways to connect (4)
recovery	

## 12. One last prompt will come up. Click on yes.

	Connecting		
	Public IP	Nemote Desktop Connection	×
1)	Admin username	The identity of the remote computer cannot be verified. you want to connect anyway?	Do
problems	Port (change)	The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.	
-	Just-in-time policy	Certificate name	
	Most common	dc-1	
		Certificate errors	
in Center	<b>9</b>	The following errors were encountered while validating the remote computer's certificate:	
	Native RDP	The certificate is not from a trusted certifying authority.	
IS	Connect via nati needed. Recomr	Do you want to connect despite these certificate errors?	-
	Public IP addres:	Don't ask me again for connections to this computer	
irity groups		View certificate	
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13. It should load Windows Server virtual machine. Once we confirm this, minimize this and go back to azure.

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	With Azure Arc you can secure and gove across clouds.	m Mindows Server at scale=on-premises and	5		
				P	fide
	Get more info at	ka.ms/Manapal/IndowsServer			
	Don't show this message again				
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					_
P Type here to search	H 🖶	1		∧ ⊡ de 12/16/202	4

14. Make a note of the Windows Server Private IP address if you haven't already. You will need it shortly. Click on the client Virtual Machine.

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< Page 1 v of 1 >	/ нер				

15. On the client machine, click on Network settings.

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Home > Virtual machines > client-1				
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### 16. Click on the Network Interface Card.

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### 17. Click on DNS Servers.

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18. Now this is the part where you'll put in the Windows Server's Private IP address. Click on custom where it says DNS servers, type in the Windows Server's Private IP address, and finally click save. Close out of your Windows Server remote session as well.

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19. Click on virtual machines at the top.

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Give feedback

20. Click on the client machine.

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🖳 🖳 dc-1	Azure subscription 1	Azure-Ad-Lab	South Central US	Running	Windows	Standard_DC2ds_v3	20.165.105.227	1	

21. Click on restart. This will take a few minutes.

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Overview	Connect ~ D Start Connect ~ D Start	regice start Stop 🕓 Hibernate 🞉 Capture 🗸	🗎 Delete 💍 Refresh 🛄 Open in r	nobile 🔗 Feedback 🗟 CU / PS	×
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22. Now we need to remote into the Windows Server machine. Click on the RDP file we downloaded earlier and enter the password that was created earlier. Follow the prompts until you see the desktop for Windows Server.

○ ≪	🕐 Refresh 🛛 R Troubleshoot \vee 🞏 More Options \vee 🖉 Feedback
(Iv	Connecting using Public IP address   20.165.105.227
-9	Admin userna 🕂 Windows Security X
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e prosients	<sub>Just-in-time p</sub> Enter your credentials
	These credentials will be used to connect to 20.165.105.227. Most comm
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igs	Connect vi needed. Re Remember me
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curity groups	More choices
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recovery	

23. You should see server manager. On the top right, click on manage and then from that drop down menu click on add roles and features.

🌆 Server Manager					– ø ×
Server N	1anager • Dashboard			- ©   <b>F Marco</b>	Tools View Help
. Darkbarred	WELCOME TO SERVER MANAGER			Remo	ve Roles and Features
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	LEARN MORE				Hide
	ROLES AND SERVER GROUPS Roles: 1   Server groups: 1   Servers total:	1			
	File and Storage	Local Server 1	All Servers 1		
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	Events	Events	Events		
	Performance	Services	Services		
	BPA results	Performance	Performance		
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Type here to search	¥ 🖡			^	128 AM

24. When the pop up appears, click on next.

s to ma <u>n</u>	age	
	📥 Add Roles and Features Wizard	- 🗆 X
roup er to cle	Before you begin	DESTINATION SERVER dc-1
	Before You Begin Installation Type Server Selection Server Roles	This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website. To remove roles, role services, or features: Start the Remove Roles and Features Wizard
rver bility		Before you continue, verify that the following tasks have been completed: • The Administrator account has a strong password • Network settings, such as static IP addresses, are configured • The most current security updates from Windows Update are installed
ince		If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again. To continue, click Next.
lts		Skip this page by default
		< Previous Next > Install Cancel

25. Click on next again.



26. Everything on this page is good as is and should be left at default. Click on next again.

Add Roles and Features Wiz	ard		- □ >
Select destination	on server		DESTINATION SERVER dc-1
Before You Begin	Select a server or a	a virtual hard disk on which	h to install roles and features.
Installation Type	Select a server	from the server pool	
Server Selection	O Select a virtual	hard disk	
Server Roles	Server Pool		
Features			
	Filter:		
	Name	IP Address	Operating System
	dc-1	10.0.0.4	Microsoft Windows Server 2022 Datacenter Azure Editio
	< 1 Computer(s) fou	nd	>
	This page shows so and that have been newly-added serve	ervers that are running Wi n added by using the Add ers from which data collect	ndows Server 20 2 or a newer release of Windows Server, Servers command in Server Manager. Offline servers and ion is still incomplete are not shown.

27. Check the box that says Active Directory Domain Services.

Select server rol	es	DESTINATION SERVE dc-
Before You Begin	Select one or more roles to install on the selected server.	
Installation Type	Roles	Description
Server Selection Server Roles	Active Directory Certificate Services	Active Directory Certificate Service: (AD CS) is used to create certification authorities and related
Features	Active Directory Lightweight Directory Services	role services that allow you to issue
	Active Directory Rights Management Services     Device Health Attestation	variety of applications.
	<ul> <li>DHCP Server</li> <li>DNS Server</li> <li>Fax Server</li> <li>File and Storage Services (1 of 12 installed)</li> <li>Host Guardian Service</li> <li>Hyper-V</li> <li>Network Controller</li> <li>Network Policy and Access Services</li> <li>Print and Document Services</li> <li>Remote Access</li> <li>Remote Desktop Services</li> <li>Volume Activation Services</li> <li>Web Server (IIS)</li> <li>Windows Deployment Services</li> <li>∨</li> </ul>	

28. Another pop up will appear. Click on Add Features.

select server ro	Add Roles and Features Wizard	× dc
Before You Begin Installation Type	Add features that are required for Active Directory Domain Services?	ption
Server Selection Server Roles	You cannot install Active Directory Domain Services unless the following role services or features are also installed.	Directory Domain Services ) stores information about
Features	[Tools] Group Policy Management	ormation available to users
	Remote Server Administration Tools     Role Administration Tools	twork administrators. AD D bmain controllers to give
	<ul> <li>A D DS and AD LDS fools</li> <li>Active Directory module for Windows PowerShell</li> <li>AD DS Tools</li> <li>[Tools] Active Directory Administrative Center</li> <li>[Tools] AD DS Snap-Ins and Command-Line Tools</li> </ul>	k Users access to permittea ces anywhere on the networ h a single logon process.
	Include management tools (if applicable) Add Features Cancel	

### 29. Click on next.

anade		
📥 Add Roles and Features Wizard		– 🗆 ×
Add Roles and Features Wizard  Content of the server roles  Before You Begin Installation Type Server Selection  Server Roles Features AD DS Confirmation Results	Select one or more roles to install on the selected server.  Roles  Active Directory Certificate Services Active Directory Domain Services Active Directory Federation Services Active Directory Rights Management Services Device Health Attestation DHCP Server DNS Server Fax Server In Faile and Storage Services (1 of 12 installed)	ESTINATION SERVER dc-1  DESTINATION SERVER dc-1  Description  Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.
	Host Guardian Service     Hyper-V     Network Controller     Network Policy and Access Services     Print and Document Services     Remote Activation Services     Volume Activation Services     Volume Activation Services     Windows Deployment Services     Vext	> Install Cancel

#### 30. Click on next again.



#### 31. Click on next one more time.



32. Check the box that says restart the destination server automatically if required. Click yes to the prompt that appears, and then click install.

Add Roles and Features Wiza	ard — 🗆 X
Confirm installat	tion selections destination server de-1
Before You Begin Installation Type Server Selection Server Roles Features AD DS Confirmation Results	To install the following roles, role services, or features on selected server, click Install.
	AD DS a Act AD AD DS Snap-Ins and Command-Line Tools Export configuration settings Specify an alternate source path
	< Previous Next > Install Cancel

33. It will begin to install Active Directory Domain Services and other needed add-ons. Once installed, click close to return to the server manager dashboard.



34. The next step would be getting the domain promoted to Domain Controller. In the server manager dashboard, click on the flag on the top right and click on promote this server to a domain controller.



35. Check the box that says add a new forest and create a root domain name. You can choose whatever you want. I'm going to use rdproductions.com. Click next.



36. Create a password and then hit next.

res						
С	참 Active Directory Domain Service	s Configuration Wizard		-		×
hr	Domain Controlle	r Options		TA	RGET SEI	RVER dc-1
to	Deployment Configuration Domain Controller Options	Select functional level of the new fi Forest functional level:	orest and root domain Windows Server 2016	v		
	Additional Options	Domain functional level:	Windows Server 2016	v		
to	Paths Review Options Prerequisites Check Installation	Specify domain controller capabilit Domain Name System (DNS) so Global Catalog (GC) Read only domain controller (R	ies erver ODC)			
lit	Results	Type the Directory Services Restore	Mode (DSRM) password			
æ		Password: Confirm password:	••••••			
		More about domain controller opt	ions			
		[	< Previous Next >	Install	Cance	:

# 37. leave the default and hit next.

5					
📥 Active Directory Domain Service	Configuration Wizard		-		×
DNS Options	e Cashion		TAR	GET SE	RVER dc-1
A delegation for this DNS s	rver cannot be created because the authoritative pare	ent zone cannot be found	Show n	nore	×
Deployment Configuration Domain Controller Options DNS Options	Specify DNS delegation options Create DNS delegation				
Additional Options					
Review Options					
Prerequisites Check Installation					
	Manuska to NG di Januari an				
	More about DNS delegation	<u> </u>			
	< Previous	Next > Instal		Cano	el

38. Keep clicking next until you get to prerequisites check option. It'll run a check to make sure things are good and then click install. It will take some time for it to configure completely. Once complete, it will restart the server.



39. You will log back in after giving it a few minutes to restart. You will use the domain name you picked \ username. In this tutorial mine is rdproductions.com\hbahhur. Password is what you made during the active directory setup. If done correctly, your server manager dashboard will look like this.

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Server N	lanager + Dashboard	• 🗊   🏴 Menage Tools	View Belp
E Dashboard	WELCOME TO SERVER MANAGER		
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P Type here to search	21 E	~ 면 c	421 AM 12/16/2024

40. Now that the domain controller is ready, we need to create users. Type in the search bar "Active Directory Users and Computers".

🔂 Server Manager						- Ø	$\times$
Server Manager • Dashboard				• @   🏲	Manage To	ols View	Help
Dashboard WELCOME TO SERVER MANAGER							
5 Connect this server to cloud services						н	lide
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🖶 🔎 active directory users and computers. 🛛 🛱 🔚					^ T	3:36 AM 12/17/202	4 🖏

41. You'll need to make two organizational units. Right click on your domain name, select new, and then click on organizational unit. Name it \_EMPLOYEES. You will repeat this one more time to make one called \_ADMINS.

aa n	🔋 Active Director	y Users and Computers			-	×
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				Organizational Unit		
				Printer		
				User		
	<	>		Shared Folder		
	Creates a new item i	n this container.				

42. Click on the arrow next to your domain name to extend the menu, right click on admins, highlight new, and then click user.

File Action View H	Help 👔 🗊  🐍 🐮 🍸			
Active Directory Users i Active Directory I	and Com Name in Participation Saved Quer egate Control <u>v</u> e d	Type Description Domain es Folder to store your favo		
> Content of the second	xame perties	Computer Contact Group InetOrgPerson msDS-ShadowPrincipalContainer msImaging-PSPs MSMQ Queue Alias Organizational Unit Printer		
<	>	Shared Folder		

43. Fill out the first, last name, and user logon. After this click on next.

l r	Active Directory User	s and Computers				_	$\times$
Id	File Action View	Help					
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ine	Active Directory User     Active Directory User     Saved Queries     Active directory User     Active Directory User	Create in:	rdproductions	s.com/_ADMINS			
_	>EMPLOYEES	<u>First name</u> :	shane	Initials:			
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		shane		@rdproductions.com ~			
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		RDPRODUCTIONS	<b>\</b>	shane			
				< <u>B</u> ack <u>N</u> ext > C	ancel		
	<	>		$\uparrow$			
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44. Create a password for the user. Now this part is how you wish to go about it. I unchecked the box that says user must change their password at next login and checked password never expires. When you're ready, click on next.

r		Activ	e Direc	tory Us	ers and Cor	nputers								_	$\times$	
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45. You'll see an overview screen of the user you're planning to create. If you're happy with it, click on finish.



46. We are going to grant the user admin privileges. Click on the \_ADMINS group, right click the user you created, and then click properties.

Active Directory Users and Co	nputers			_	×
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te Active Directory Users and Cor > Saved Queries rdproductions.com <b>a ADMINS</b> > EMPLOYEES > Builtin > Computers > Domain Controllers > ForeignSecurityPrincipi > Managed Service Accor > Users	Name	Type Copy Add to a group Disable Account Reset Password Move Open Home Page Send Mail All Tasks Cut Delete Rename <b>Properties</b> Help	Description		
Opens the properties dialog box fo	the current selection	۱.			

47. A pop up with a lot of tabs will display. Click on the tab at the top that says member of and then click on add.

dd r 📴 Active Directory Users and	shane bahhur Properties	? ×	 ×
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	OK Cancel Apply	Help	

48. In the large white box on this pop up, type in Domain Admins. Click on check names. If its typed correctly, it will underline the bottom. Click on ok.

1 r 📴 Active Directory Users and	shane bahhur Properties ?	×		_ []	×
File     Action     View     Help       Image: Straight of the straight of t	Select Groups Select this object type: Groups or Built-in security principals From this location: rdproductions.com	<u>Q</u> bject	X Types		
> image: Computers       > image: Computers       > image: Compain Controllers       1     > image: Compain Controllers       2     > image: Compain Controllers       3     Image: Compain Controllers       3     Image: Compain Controllers       3     Image: Compain Controllers       3     Image: Compain Controllers       4     Image: Compain Controllers       5     Image: Compain Controllers       6     Image: Compain Controllers       7     Image: Compain Controllers       8     Image: Compain Controllers       9     Image: Compain Controllers	Enter the object names to select ( <u>examples</u> ): Domain Admins Advanced OK	<u>C</u> heck	Names ancel		
	Add Remove Primary group: Domain Users There is no need to change Primary group un Users There is no need to change Primary group un up use Macintosh clients or POSIX compli	nless			
<	OK Cancel Apply i	Help			

49. Click on Apply and ok.

oles and features	shane bahhur Propert	es			?	$\times$		 
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50. Now we're ready to join the client machine to the domain. Go back to azure and go to virtual machines. Click on the Windows 10 virtual machine.

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< Previous Page 1 V	of 1 Next >								🖓 Give	feedback

51. Click on connect, and then from the drop-down menu, click on connect.

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c fuge 1 v of 1	Security Backup - disaster recovery Operations Operations Automation Hedp	Virtual machine Computer name Operating system VM generation VM architecture Agent status Agent version Hibernation Hotar group Host Proximity placement group	Cuerte-1 Windows 00 Proj V2 484 Ready 2.2.4495.1199 Dealed -	Networkin     Public IP ac     Public IP ac     Public IP ac     Private IP a     Private IP a     Virtual netv     DNS name     Size     Size     vCPUS     vCPUS	9 Idress 20.66 Idress 20.60 - ddress 10.0 - ddress (IPv6) - Con Stan 2 - -	4.90.10 ( Network inte 10.5 ve-Directory-VNet/def figure idard DC2ds v3	rface client-1 suit	5H_3)

52. Click on download RDP file. It will download the login info for the windows 10 machine for us to log into it.

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< Page 1 v of 1 >	Security     Backup + disaster recovery     Operations     Monitoring     Automation     Help	$\lor$ . More ways to connect (4)			

53. Just like with the Windows Server virtual machine, a prompt will come up. Click on connect and log in with the credentials that you made when you created the VM.

min	퉣 Rer	note Desktop Connect	ion security warning	×
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ost	This rer this cor	note connection could ha nection came from or hav	ım your local or remote computer. Do ve used it before.	o not connect unless you know where
		Publisher:	Unknown publisher	
6	769	Type:	Remote Desktop Connection	
Na		Remote computer:	20.64.90.10	$\sim$
Col	Don	t ask me again for conne	ctions to this computer	
nee Pul	💽 Sh	ow Details		Connect Cancel

54. Once you're logged in, if a prompt comes up, click accept, and then it will take you to the desktop. From here, Right click the start menu, and click on system.



55. When the page loads, on the right side, you will see an option called Rename this PC (advanced). Click on it.

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	System				Device Manager	K	
1 martin			Device specifications			Remote desktop	Contraction of the local division of the loc
-1	பை	Sound	Device name	client-1		System protection	
1	•.,	Jound	Processor	Intel(R) Xeon(R) Platinum 8370C CPU @ 2.80GHz 2.79 GHz		Advanced system settings	
1	$\Box$	Notifications & actions	Installed RAM	24.0 GB		Rename this PC (advanced)	
	л	Focus assist	Device ID	B20D4B78-A9BC-4F1C-A812-CA179D8B88E1	C C		
1	0	10003 03330	Product ID	00331-10000-00001-AA356		Help from the web	
	Ċ	Power & sleep	Pen and touch	No pen or touch input is available for this display		Finding out house	L
	_	Storage	C .			processor has	ļ
		Storage	Сору			Checking multiple Languages support	
_	명	Tablet	Rename this PC				
	۵i	Multitasking		-		Get help	
			Windows spe	ecifications		Give feedback	
- [	Projecting to this PC		Edition	Windows 10 Pro			ľ.
1	ж	Shared experiences	Version	22H2			10 m
			Installed on	12/16/2024			16.46
1	Œ	System Components	OS build Experience	19045.5247 Windows Feature Experience Pack 1000 19060 1000 0			T X
1	ŵ	Clipboard	espendice				1100
			Сору				
1	><	Remote Desktop	Change product ke	ey or upgrade your edition of Windows			100.00
	田	Optional features	Read the Microsof	t Services Agreement that applies to our services			1
	0	About	Read the Microsof	t Software License Terms			
		, 1004t					
	104		AFTER AND A STATE			CHICK STREET, STRE	

### 56. A smaller pop up will appear. Click on change.

See details in Windows Security

See details in Windows Security

Device	System Properties							
Device na Processor	Computer Name Windo on the	Hardware ows uses t e network.	Advanced	System Protection	Remote our computer			
Installed F	nstalled F							
Device ID	Device ID			For example: "Kitchen Computer" or "Mary's Computer".				
Product II	Full computer na	me:	client-1					
System ty	Workgroup:		WORKGROU	þ				
Pen and t	t To use a wizard to join a domain or workgroup, click Network ID							
Сору	To rename this computer or change its domain or workgroup, click Change.							
Rename								
Windo								
Edition								
Version			ОК	Cancel	<u>A</u> pply			
Installed o	n 12/16/2	024						
OS build	19045.5	5247						

57. Another pop will appear. On the bottom half you will see member of, check the box that says domain. You will enter the domain you made on the Windows Server machine. After this click on ok.

Device	System Properties	_	$\times$
Device na	Computer Name/Domain Changes X	mote	
Processor	You can change the name and the membership of this computer. Changes might affect access to network resources.	computer	
Installed F			
	Computer name:	ary's	
Device ID	client-1		
Product II	Full computer name:		
System ty	client-1		
Pen and t			
	<u>ivi</u> ore	irk ID	
Сору	Member of		
	Domain:     Internet uctions com	nge	
Denema			
Rename	O Workgroup.		
	WORKGROUP		
Windo			
mac	OK Cancel		
Edition			
Version	OK Cancel	Apply	
la stalla di s	12/46/2024		
installed o	n 12/10/2024		
OS huild	19045 5247		

58. There will be a prompt for you to enter the username and password for the user you created back in windows server. Enter those credentials in and click ok.

See details	in Windows Security
Device	System Properties X
Device na	Computer Name/Domain Changes X mote
Processor	You can change the name and the membership of this computer computer. Changes might affect access to network resources.
Installed F	Computer name:
Windows Security	×
Computer	Name/Domain Changes
Enter the name join the domai	e and password of an account with permission to )
shane	
	••
	OK Cancel
Version	On Cancer Apply
Installed or	12/16/2024
OS build	19045.5247
Experience	Windows Feature Experience Pack 1000.19060.1000.0

59. You will get a message saying welcome to the domain. Click ok and then you should see a prompt to restart. Let the virtual machine restart and you will be able to log in with the credentials of the user you just created.

Device	System Properties		$\times$
Device as	Computer Name/Domain Changes X	mote	
Device na	You can change the name and the membership of this	computer	
Processor	computer. Changes might affect access to network resources.	Comparer	
Installed F	Computer name:	anda	
Device ID	client-1	aly s	
Product II	Full computer compute		
System ty	client-1		
Pen and a			
Com	puter Name/Domain Changes X	ork ID	
	Welcome to the rdproductions.com domain.	nge	
Re			
	ОК		
Windo			
	OK Cancel		
Edition			
Version	OK Cancel	<u>A</u> pply	
Installed o	n 12/16/2024		
OS build	19045.5247		

From this point on, the machine has joined the domain. The tutorial is complete.

If you wish to go further, you can add more users by following steps 42-49 in part 3 of the tutorial.

You can also make more virtual client machines by following steps 8-13 in part 2 of the tutorial. (be mindful of the remaining credits you have left).

**Important Note:** If you do not want to burn through your azure credits and be charged, make sure to stop all virtual machines running when you are done using them.

If you are having issues with setting up anything in one region, pick another region but make sure everything else is in the same region. If you're having issues setting up a virtual machine in US east and you pick south central as the region, you'll have to go back and recreate the resource group and virtual network and select the same region.