

All resources

∠li Dashboard

Resource groups

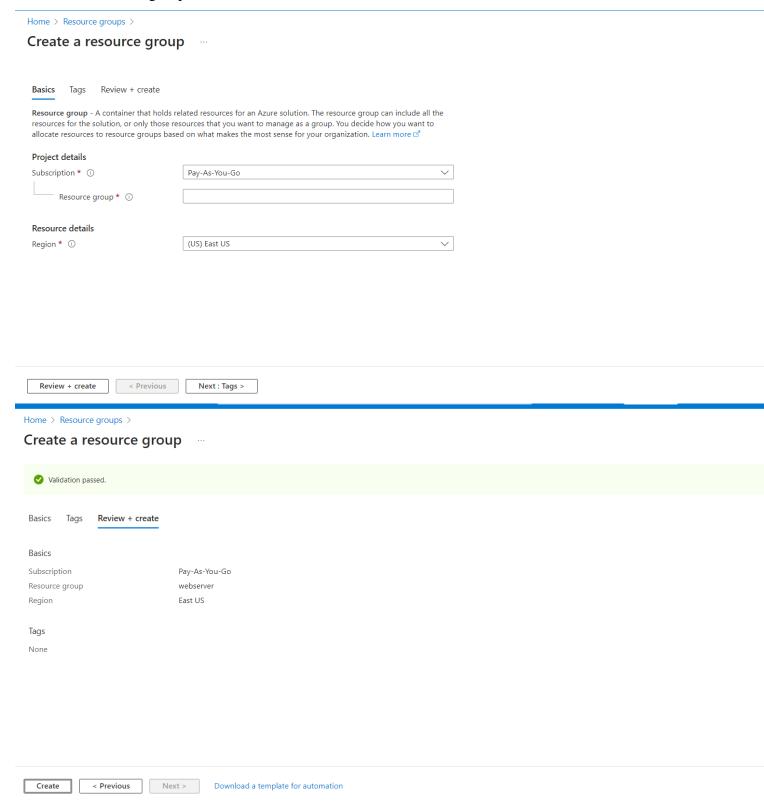
- **\$** Log in to Azure Portal:
 - Navigate to <u>Azure Portal</u>.

Navigate

Subscriptions

Create a Resource Group:

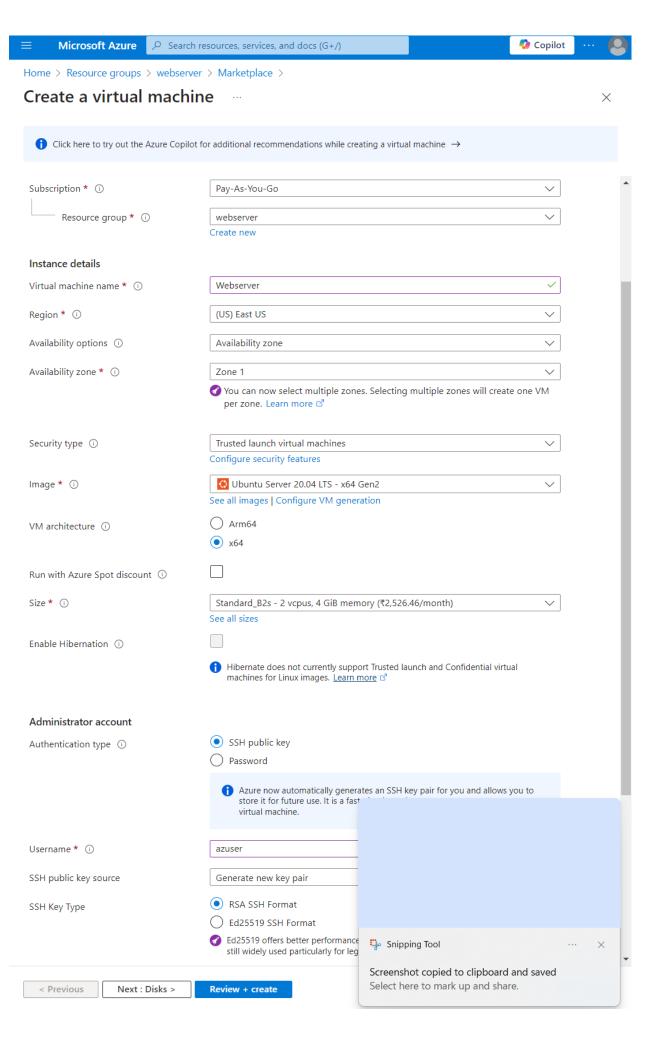
• Go to the "Resource groups" section.



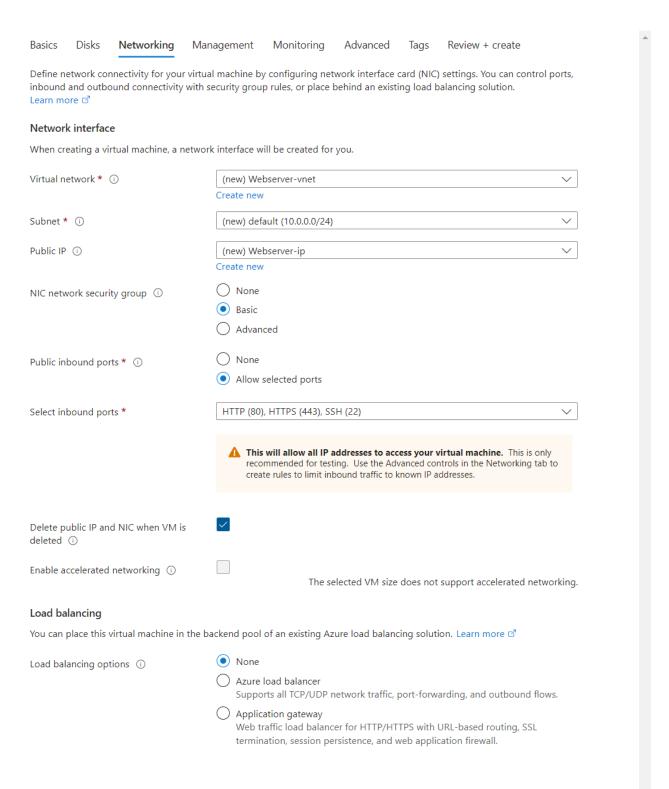
• Click "Add" and fill in the details (e.g., myResourceGroup).

• Create a Virtual Machine:

- Go to the "Virtual Machines" section.
- Click "Add" and fill in the necessary details:
 - o **Subscription**: Select your subscription.
 - o Resource group: Select myResourceGroup.
 - o Virtual machine name: myWebVM.
 - o **Region**: Choose a suitable region.
 - o Image: Select Ubuntu Server 20.04 LTS.
 - o Size: Select an appropriate size (e.g., Standard B1s for cost efficiency).
 - o **Authentication type**: SSH public key.
 - o **Username**: azureuser.
 - o **SSH public key**: Paste your SSH public key.



Basics	Disks	Networki	ng Mana	agement	Monitoring	Advanced	Tags	Review + create		
	performano	e. The current	virtual machir	ne size suppo	rts 23 MBps. The		ttached to	utilize their full throughput virtual machine 'Webserver' <u>rrn more</u> ਕੀ	×	
			•		•	_		attach additional data dis wed. Learn more ♂	ks.	
VM dis	sk encrypt	ion								
	_	e encryption a isting it to the		encrypts yo	ur data stored	on Azure manag	ed disks (OS and data disks) at rest	by	
Encrypt	ion at host	<u></u>								
						ot registered for bling this feature		d subscription.		
OS dis	k									
OS disk	size 🛈			Image default (30 GiB)						
OS disk	type * ①			The selected	l VM size suppo orkloads. Virtua		ks. We red	commend Premium SSD fo SSD disks qualify for the S		
Delete	with VM(D		<u>~</u>						
Key ma	nagement	<u>(i)</u>		Platform-n	nanaged key				~	
Enable	Ultra Disk	compatibility	①							
Data d	isks for W	ebserver								
	add and o	onfigure add	litional data	disks for you	r virtual machir	e or attach exist	ing disks.	This VM also comes with a	a	
LUN	Nam	e	Si	ize (GiB)	Disk type	Host	caching	Delete with VM ①		
Create	and attach	a new disk	Attach an	existing disk	· ·					
× /	Advanced									



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Next : Management >

Review + create

• Configure Networking:

- Virtual network: Create a new virtual network or select an existing one.
- Subnet: Default.
- **Public IP**: Create a new public IP.
- NIC network security group: Basic.
 Inbound port rules: Allow SSH (port 22) and HTTP (port 80).

Basics	Disks	Networking	Management	Monitoring	Advanced	Tags	Review + create	
Configur	e manage	ment options for	your VM.					
Microso	ft Defend	ler for Cloud						
	t Defende ls. Learn n	•	des unified security	management an	d advanced thre	eat proted	tion across hybrid cloud	
⊘ You	r subscript	ion is protected	by Foundational Clo	oud Security Post	ture Manageme	nt Free Pl	an.	
Identity								
Enable sy identity		gned managed						
Microso	ft Entra II	D						
Login wit	h Microso	ft Entra ID ①						
							tor Login or Virtual Machine login. <u>Learn more</u> d	
			SSH certificate-based or Cloud Shell from t			ise an SSH	client that supports OpenSSH	
Auto-sh	utdown							
Enable a	uto-shutdo	own (i)						
Backup								
Enable b	ackup 🛈							
Guest O	S update	s						
Patch or	hestration	options ①	Azure-ord	hestrated using	Automatic gues	t patching	· · · · · · · · · · · · · · · · · · ·	/
			Some p	atch orchestratio	n options are n	ot availab	le for this image. Learn more	ď
Reboot s	etting (i)		Reboot if	required				/

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Next : Monitoring >

Review + create

Basics	Disks	Networking	Management	Monitoring	Advanced	Tags	Review + create	•
Configur	e monitor	ing options for yo	ur VM.					
Alerts								
Enable re	ecommend	ded alert rules ()						
Diagnos	stics							
Boot dia	gnostics (D	_	with managed s		(recomm	ended)	
			○ Enable ○ Disable	with custom sto	rage account			
				-				
Enable O	S guest di	agnostics (i)						
Health								
Enable a	pplication	health monitoring						
							bserver > Marketplace >	
						a virtual ma		×
					Configure	management options to	Management Monitoring Advanced Tags Review + create or your VM.	
					Microsoft I	Defender for Cloud Defender for Cloud provi Learn more 37	vides unified security management and advanced threat protection across hybrid cloud	
					 Your v Identity 	abeription is protected	l by Coundational Cloud Security Posture Management Crew Plan.	
						vm resigned managed		
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< Prev	rious	Next : Advance	d > Review	v + create	Sele	ect here to	o mark up and share.	

Basics D	Disks	Networking	Management	Monitoring	Advanced	Tags	Review + create	
Add additio	nal conf	figuration, agents	, scripts or applica	tions via virtual n	nachine extension	ons or clo	ud-init.	
Extensions								
Extensions p	orovide	post-deployment	configuration and	d automation.				
Extensions	(i)		Select an e	xtension to instal	I			
VM applica	ations							
the applicati	ion files						after deployment. In additi dd or remove applications	
Select a VM	applica	tion to install						
Custom da	ıta and	cloud init						
			i file, or other data n. Learn more abo			t is being	provisioned . The data wi	ill be
Custom data	a							
				n data on the selec nore about custom		processed	l by cloud-init.	
User data								
	_		her data that will b ring your secrets o	•		_	out the lifetime of the virtu for VMs 🗗	ual
Enable user	data							
Performan	ce (NVI	Me)						
Enable capa	bilities t	to enhance the pe	erformance of you	r resources.				
_		storage performa	ance 🗌					
with NVMe	(1)		1 The sel	ected size is not su	pported for NVN	le. <u>See su</u>	oported size families 🗗	
Host								
Azure Dedic Azure subsc	ription. s from y	A dedicated host our subscription t	gives you assurar	nce that only VMs	from your subs	cription a	ers that are dedicated to y are on the host, flexibility t orm maintenance at the le	0
Host group	(i)		No host g	groups found				~
Canacity	.com.c.t.	ions						
Capacity re	eservati	ons						

Review + create

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Next : Tags >

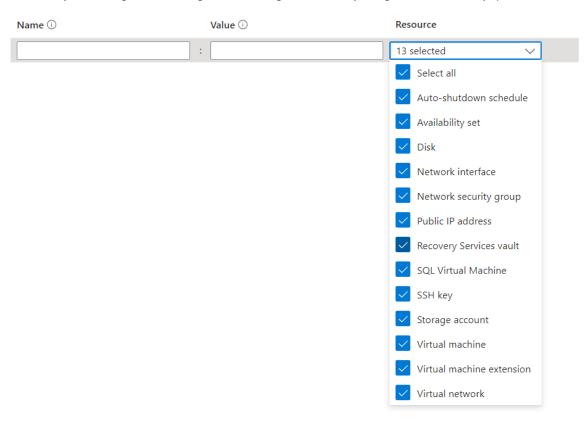
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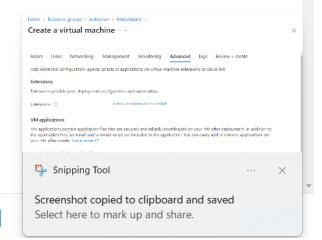
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Basics Disks Networking Management Monitoring Advanced **Tags** Review + create

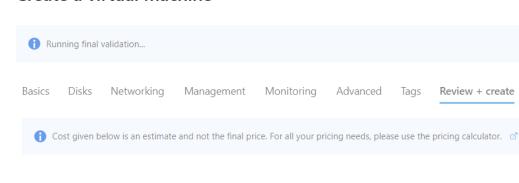
Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. Learn more about tags 🗗

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.









Price

1 X Standard B2s Subscription credits apply ①

by Microsoft

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Pricing for other VM sizes

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the Azure Marketplace Terms for additional details.

Name Preferred e-mail address Preferred phone number

🛕 You have set SSH port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

Basics

Subscription Pay-As-You-Go Resource group webserver Virtual machine name Webserver Region East US

Availability options Availability zone

Availability zone

Trusted launch virtual machines Security type

Enable secure boot Yes Enable vTPM Yes Integrity monitoring No

Ubuntu Server 20.04 LTS - Gen2 Image

VM architecture

Standard B2s (2 vcpus, 4 GiB memory)

Enable Hibernation

Authentication type SSH public key

Username azuser



Price

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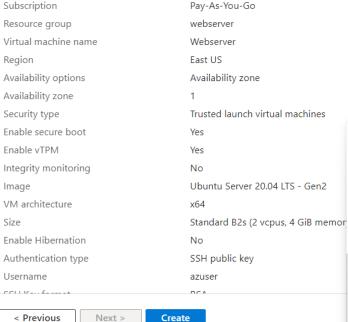
TERMS

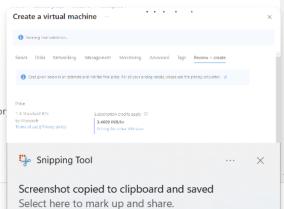
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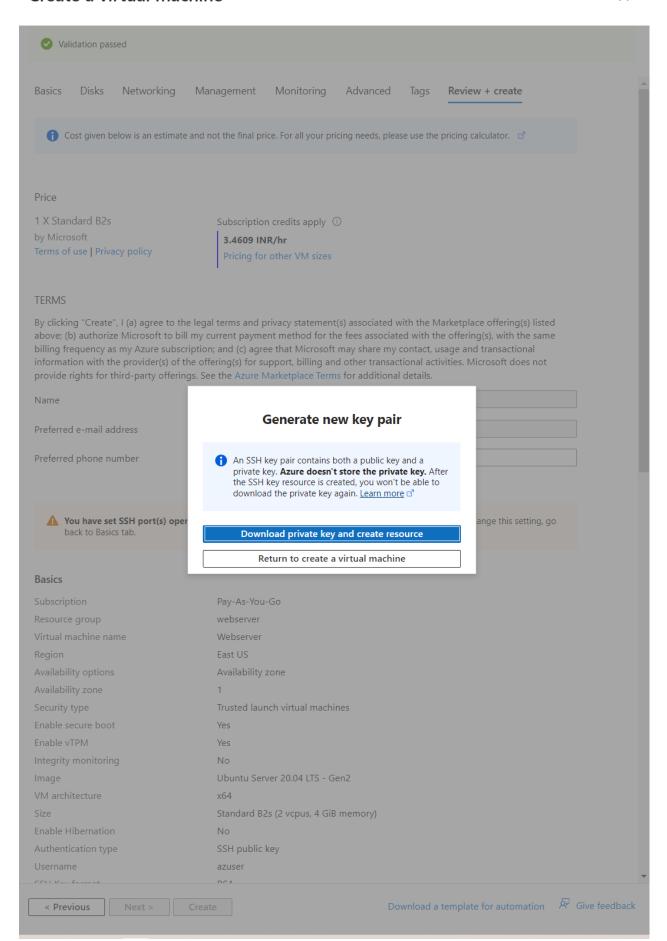


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Basics







• Review and Create: Review the settings and click "Create".

Set Up the Web Server

- 1. Connect to the VM:
 - o Use SSH to connect to the VM: ssh azureuser@<Public-IP>
- 2. Install Apache Web Server:
 - o Update the package list: sudo apt update
 - o Install Apache: sudo apt install apache2 -y
 - o Start the Apache service: sudo systematl start apache2
 - o Enable Apache to start on boot: sudo systemctl enable apache2

Verify the Installation:

• Open a web browser and navigate to http://<Public-IP>. You should see the default Apache welcome page.