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ACITIVITY-7: Virtual Machine Scale Set

Open Virtual Machine Scale Sets

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Click on Create Virtual Machine Scale Sets

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Basics Spot Disks Ne Azure virtual machine scale sets I automatically increase or decreas applications, and allow you to ce Learn more about virtual machin Project details Select the subscription to manag your resources.	etworking Management Health Advanced Tags Review + create let you create and manage a group of load balanced VMs. The number of VM instances can se in response to demand or a defined schedule. Scale sets provide high availability to your ntrally manage, configure, and update a large number of VMs. e scale sets C	И			
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Create a virtual machin	e scale set				×
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Instance count * ①	rev scaling protie: manual attach virtual machines atter deployment [2 Configure scaling options				
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Click on load balancer

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Home > Virtual machine scale	sets >	Create a load balancer
Create a virtual m	achine scale set	
NAME	CREATE PUBLI SUBNET NETWORK SECURI ACCELERATED N	Details such as subscription and resource gro that you're creating. A default IP, backend po your behalf, though certain configurations ca
bvrith1vnet948-nic01	Yes default (10.1.0.0/20) Basic On 🖉	
Load balancing		Load balancer name *
You can place this virtual machin	e in the backend pool of an existing Azure load balancing solution. Learn more 🖒	Туре * 🕦 (
Load balancing options ①	 None Azure load balancer Supports all TCP/UDP network traffic, port-forwarding, and outbound flows. Application gateway Web traffic load balancer for HTTP/HTTPS with URL-based routing, SSL termination, session persistence, and web application firewall. 	(
	▲ To allow traffic from your load balancing product, please update the appropriate port configuration on your network security group associated with your network interface.	Protocol * ① (
Select a load balancer * ①	Please create a new or choose an existing load balancer. \checkmark	Ň

Enter the Name and Click Create of load balancer.

Click Review + Create

Go to the Virtual Machine Scale Set which was created.

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Virtual machine scale set		
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🎭 Overview	↑ Essentials	
Activity log	Resource group (move) : bvrith1	Operating system : Linux
Access control (IAM)	Status : <u>2 out of 2 succeeded</u>	Size : Standard_D2s_v3 (2
Tags	Location : Sweden Central (Zone 1, 2, 3)	Public IP address : <u>4.225.196.75</u>
	Subscription (move) : Azure subscription 1	Public IP address (IPv6) : $_{\pm}$
Diagnose and solve problems	Subscription ID : 27fb267c-ac69-4719-936a-758eba088783	Virtual network/subnet : bvrith1vnet948/def
P Instances		Orchestration mode : Flexible
> Networking		Time created : 8/30/2024, 2:30 PM
> Settings	Tags (edit) : Add tags	
5		
> Availability + scale		
 Availability + scale Security 	Properties Monitoring Capabilities (6) Recommendations Tutorials	
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Click on Instances

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> Networking					
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As the Instance Count which we have entered while creating based on the count the instances are created

Go to Networking

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Networking					
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Application security groups					
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> Settings					

Add HTTP and SSH by clicking on Create port rule

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groups	65001	AllowAzureLoadBalancerInBound ()	Any	Any	AzureLoadBalancer	Any				
🧟 Network manager	65500	DenyAllInBound ①	Any	Any	Any	Any				
> Settings										

Go to Instances and Click on first instance, copy the public ip address

Connect through SSH, using the IP address and do the following

Sudo apt update

Sudo apt install apache2 -y



Go to Instances and Click on Second instance, copy the public ip address

Connect through SSH, using the IP address and do the following

Sudo apt update

Sudo apt install apache2 -y

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Activity log	Essentials	
Access control (IAM)	Resource group (move) : bvrith1	Operating system : Linux (ubuntu 24.04)
🗳 Tags	Status : Kunning	Size : Standa · 8 C
X Diagnose and solve problems	Subscription (move) : Azure subscription 1	Virtual network/subnet : hvrith1vnet948/default
> Connect	Subscription ID : 27fb267c-ac69-4719-936a-758eba088783	DNS name : Not configured
> Networking	Availability zone : 2	Health state : -
> Settings		Time created : 8/30/2024, 2:30 PM UTC
> Availability + scale	Tags (edit) : VirtualMachineProfileTimeCreated : 8/30/2024 2:30:01 PM +0	0:00
> Security		
> Backup + disaster recovery	Properties Monitoring Capabilities (7) Recommendations Tutorials	
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📮 Overview				
Activity log	Essentials			
Access control (IAM)	Resource group (mov	e) : <u>bvrrth1</u>	Operating system	: Linux (ubuntu 24.04)
Tags	Location	: Sweden Central (Zone 1)	Public IP address	: 135.225.56.11
🗙 Diagnose and solve problems	Subscription (move)	: Azure subscription 1	Virtual network/subn	et : <u>bvrith1vnet948/default</u>
> Connect	Subscription ID	: 27fb267c-ac69-4719-936a-758eba088783	DNS name	: Not configured
> Networking	Availability zone	: 1	Health state	: -
> Settings			Time created	: 8/30/2024, 2:30 PM UTC
> Availability + scale	Tags (<u>edit</u>)	: VirtualMachineProfileTimeCreated : 8/30/2024 2:30:01 PM +00:00		
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> Backup + disaster recovery	Properties Moni	toring Capabilities (7) Recommendations Tutorials		
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Now Go to the Virtual Machine Scale Sets and copy the Public IP and paste in the browser



INSTANCES CHECK

Connect the Instances using IP Address by using the SSH and Create HTML page (1.html) in first Instance and Second Instance

1.html(first instance)

<html>

<body>

Instance 1 page is Displayed

</html>

</body>

1.html(Second instance)

<html>

<body>

Instance 2 page is Displayed

</html>

</body>

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INSTANCE 1 PAGE IS DISPLAYED





TRY STOPPING ONE INSTANCE AND CALL THE PUBLIC IP OF VIRTUAL MACHINE SCALE SETS