

1. Create a scale set with windows OS

Write a scale out rule using CPU percentage of 70% threshold

Write a scale in rule using CPU percentage of 40% threshold

The screenshot shows the 'Create a virtual machine scale set' page in the Azure portal. The 'Instance' section has 'Initial instance count' set to 2. Under 'Scaling', 'Scaling policy' is set to 'Custom'. The 'Scale out' section is configured with a 'CPU threshold (%)' of 70, 'Duration in minutes' of 10, and 'Number of VMs to increase by' of 1. The 'Scale in' section is currently collapsed. At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next : Management >'. The Windows taskbar at the bottom shows the time as 19:09 on 13-08-2020.

This screenshot shows the same 'Create a virtual machine scale set' page, but with the 'Scale in' section expanded. The 'Scale in' section is configured with a 'CPU threshold (%)' of 40 and 'Number of VMs to decrease by' of 1. The 'Diagnostic logs' section shows 'Collect diagnostic logs from Autoscale' set to 'Disabled'. The 'Scale-In policy' section includes a description and a link to 'Learn more about scale-in policies', with a dropdown menu set to 'Default - Balance across availability zones and fault domains, then delete V...'. The 'Review + create', '< Previous', and 'Next : Management >' buttons are visible at the bottom. The Windows taskbar at the bottom shows the time as 19:09 on 13-08-2020.

Create a virtual machine scale set | Assignments - Google Drive | portal.azure.com/#create/microsoft.vms

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

Home > Virtual machine scale sets >

Create a virtual machine scale set

Number of VMs to increase by * ⓘ 1

Scale in

CPU threshold (%) * ⓘ 40 ✓

Number of VMs to decrease by * ⓘ 1

Diagnostic logs

Collect diagnostic logs from Autoscale ☐ Disabled ☒ Enabled

Scale-In policy

Configure the order in which virtual machines are selected for deletion during a scale-in operation.
[Learn more about scale-in policies.](#)

Scale-in policy Default - Balance across availability zones and fault domains, then delete V... ✓

Review + create < Previous Next : Management >

Type here to search

19:09 13-08-2020

Create a virtual machine scale set | Assignments - Google Drive | portal.azure.com/#create/microsoft.vms

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

Home > Virtual machine scale sets >

Create a virtual machine scale set

✓ Validation passed

Instance

Initial instance count 2

Already have a Windows Server license? No

Disks

OS disk type Premium SSD

Use managed disks Yes

Use ephemeral OS disk No

Networking

Virtual network (New) TESTSSET-vnet (recommended)

Network interfaces TESTSSET-vnet-nic01

Load balancing No

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Type here to search

19:14 13-08-2020

Create a virtual machine scale set

Validation passed

Management

Upgrade mode	Manual
Boot diagnostics	On
Azure Security Center	Free
Diagnostics storage account	testsssetdiag
System assigned managed identity	Off
Automatic OS upgrades	Off

Scaling

Scaling	Yes
Minimum number of VMs	1
Maximum number of VMs	10
Scale out CPU threshold (%)	70
Number of VMs to increase by	1

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19:14 13-08-2020

Create a virtual machine scale set

Validation passed

Scale out CPU threshold (%)	70
Number of VMs to increase by	1
Scale in CPU threshold (%)	40
Number of VMs to decrease by	1
Scale-in policy	Default

Health

Monitor application health	false
----------------------------	-------

Advanced

Enable scaling beyond 100 instances	No
Proximity placement group	None
Spreading algorithm	5

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19:15 13-08-2020

Create a virtual machine scale set

Validation passed

Number of VMs to decrease by: 1
Scale-in policy: Default

Health
Monitor application health: false

Advanced
Enable scaling beyond 100 instances: No
Proximity placement group: None
Spreading algorithm: 5
Extensions: None
Cloud init: No

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19:15 13-08-2020

2. Create an storage account and containers with anonyms access ,create a static website in the storage account

Create storage account - Micros

portal.azure.com/#create/Microsoft.StorageAccount

Validation passed

Basics
Subscription: Free Trial
Resource group: (New) storage22
Location: East US
Storage account name: azurestorage002
Deployment model: Resource manager
Account kind: StorageV2 (general purpose v2)
Replication: Read-access geo-redundant storage (RA-GRS)
Performance: Standard
Access tier (default): Hot

Networking
Connectivity method: Public endpoint (all networks)

Create < Previous Next > Download a template for automation

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19:25 13-08-2020

Create storage account - Micros...Assignments - Google Drive

portal.azure.com/#create/Microsoft.StorageAccount

Microsoft AzureUpgradeSearch resources, services, and docs (G+/?)

Home > Storage accounts >

Create storage account

Validation passed

Networking

Connectivity methodPublic endpoint (all networks)

Default routing tierMicrosoft network routing (default)

Data protection

Blob soft deleteDisabled

Container soft deleteDisabled

File share soft deleteDisabled

Blob change feedDisabled

VersioningDisabled

Advanced

Secure transfer requiredEnabled

Create< PreviousNext >Download a template for automation

Type here to search

19:2513-08-2020

Create storage account - Micros...Assignments - Google Drive

portal.azure.com/#create/Microsoft.StorageAccount

Microsoft AzureUpgradeSearch resources, services, and docs (G+/?)

Home > Storage accounts >

Create storage account

Validation passed

File share soft deleteDisabled

Blob change feedDisabled

VersioningDisabled

Advanced

Secure transfer requiredEnabled

Infrastructure encryptionDisabled

Allow Blob public accessEnabled

Minimum TLS versionVersion 1.0

Large file sharesDisabled

Hierarchical namespaceDisabled

NFS v3Disabled

Create< PreviousNext >Download a template for automation

Type here to search

19:2613-08-2020

azurestorage002 | Static website x PUBLIC11 - Microsoft Azure x New container - Microsoft Azure x Assignments - Google Drive x

portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/1028e708-2e09-4498-a3b5-0371cfa3bef5/resourceGroups/storage22/providers/Microsoft... I.dasari@dx.com DXC PRODUCTION

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

Home > Storage accounts (classic) > azurestorage002 | Containers

Storage account

+ Add Manage view ... Search (Ctrl+/) + Container Change access level

Filter by name...

Name ↑

- azurestorage002
- azurestorageaccount11
- public2diag681
- testassdiag
- testprasanna
- testpub1diag
- testpub2diag
- testpublic11diag
- testpublic2diag

Page 1 of 1

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Data transfer Events Storage Explorer (preview) Settings Access keys Geo-replication CORS Configuration

New container

Name * testcontainer

Public access level Blob (anonymous read access for blobs only)

Blobs within the container can be read by anonymous request, but container data is not available. Anonymous clients cannot enumerate the blobs within the container.

Advanced

Create Discard

Type here to search

testcontainer - Microsoft Azure x PUBLIC11 - Microsoft Azure x testcontainer - Microsoft Azure x Assignments - Google Drive x

portal.azure.com/#blade/Microsoft_Azure_Storage/ContainerMenuBlade/overview/storageAccountid/%2Fsubscriptions%2F1028e708-2e09-4498-a3b5-0371cfa3bef5... I.dasari@dx.com DXC PRODUCTION

Home > Storage accounts > azurestorage002 | Containers > testcontainer

Container

Search (Ctrl+/) Upload Change access level Refresh Delete Change tier Acquire lease Break lease View snapshots ...

Authentication method: Access key (Switch to Azure AD User Account)

Location: testcontainer

Search blobs by prefix (case-sensitive) Show deleted blobs

Name	Modified	Access tier	Blob type	Size	Lease state	
<input type="checkbox"/> AZURE.txt	8/16/2020, 6:47:22 PM	Hot (Inferred)	Block blob	13 B	Available	...

Type here to search

Updated Training Link for the Hy x azurestorage002 | Static website x

portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/1028e708-2e09-4498-a3b5-0371cfa3bef5/resourceGroups/storage22/providers/Microsoft...

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ldasari@dx.com DXC PRODUCTION

Storage accounts

Home > Storage accounts >

azurestorage002 | Static website

Storage account

+ Add Manage view ...

Filter by name...

Name ↑

- azurestorage002
- azurestorageaccount11
- public2diag681
- testassdiag
- testprasanna
- testpub1diag
- testpub2diag
- testpublic2diag
- testssdiag

Page 1 of 1

Search (Ctrl+/)

- Shared access signature
- Firewalls and virtual networks
- Private endpoint connections
- Advanced security
- Static website
- Properties
- Locks
- Export template
- Blob service
- Containers
- Custom domain
- Data protection
- Azure CDN

Save Discard

Enabling static websites on the blob service allows you to host static content. Webpages may include static content and client-side scripts. Server-side scripting is not supported. As data is replicated asynchronously from primary to secondary regions, files at the secondary endpoint may not be immediately available or in sync with files at the primary endpoint. [Learn more](#)

Static website

Disabled **Enabled**

An Azure Storage container has been created to host your static website. [View](#)

Primary endpoint

<https://azurestorage002.z13.web.core.windows.net/>

Secondary endpoint

<https://azurestorage002-secondary.z13.web.core.windows.net/>

Index document name

Error document path

Type here to search

10:23 16-08-2020

4. Create an two virtual machines with no public ip's

azurestorage002 | Static website x (20) Geetha Govindam Bac x PUB2 - Microsoft Azure x Course of content - Google Drive x

portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/1028e708-2e09-4498-a3b5-0371cfa3bef5/resourceGroups/TESTPUB2/providers/Micro...

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

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PUB2

Virtual machine

Search (Ctrl+/)

Connect Start Restart Stop Capture Delete Refresh Share to mobile

Overview

Resource group (change) [TESTPUB2](#)

Status Running

Location East US

Subscription (change) [Free Trial](#)

Subscription ID 1028e708-2e09-4498-a3b5-0371cfa3bef5

Tags (change) [Click here to add tags](#)

Operating system Windows (Windows Server 2019 Datacenter)

Size Standard B1s (1 vcpu, 1 GiB memory)

Public IP address [lb-jp](#)

Virtual network/subnet [TESTASS-vnet/default](#)

DNS name [Configure](#)

Properties Monitoring Capabilities Recommendations Tutorials

Virtual machine

Computer name PUB2

Networking

Public IP address [lb-jp](#)

Type here to search

18:24 16-08-2020

The screenshot shows the Azure portal interface for a virtual machine named **PUBLIC11**. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking, Connect, Disks, Size, Security, Advisor recommendations, and Extensions. The main content area displays the VM's properties, including its resource group (TESTPUBLIC11), status (Running), location (East US), and subscription (Free Trial). The operating system is Windows (Windows Server 2019 Datacenter), and the size is Standard B1s (1 vcpu, 1 GiB memory). The public IP address is PRASANNALB. The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

5. Attach the machines to the load balancer and block the 3389 port use 50010

The screenshot shows the Azure portal interface for a load balancer named **LOADBALANCERASS**. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Frontend IP configuration, Backend pools, Health probes, Load balancing rules, Inbound NAT rules, Properties, and Locks. The main content area displays the load balancer's configuration, including its name (LOADBALANCERASS), IP address (PRASANNALB), and rules count (0). The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

BACKEND1 - Microsoft Azure | (220) Majnu Video Son... | Operation details - Microso... | Deployment history - Azure... | How to reset network inter... | + | - | x

portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/1028e708-2e09-4498-a3b5-0371cfa3bef5/resourceGroups/TESTLOADBALANCER/prov...

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

Home > Load balancers > LOADBALANCERASS | Backend pools >

BACKEND1

LOADBALANCERASS

Virtual machines

You can only attach virtual machines in eastus that have a basic SKU public IP configuration or no public IP configuration. All virtual machines must be in the same availability set and all IP configurations must be on the same virtual network.

⚠ NetworkInterface(s) in selected virtual network that are not associated to any virtual machine: /subscriptions/1028e708-2e09-4498-a3b5-0371cfa3bef5/resourceGroups/testass/providers/microsoft.network/networkinterfaces/testass1npublic961

+ Add | X Remove

Virtual machine ↑↓	IP Configuration ↑↓	Availability set ↑↓
<input type="checkbox"/> pub1	ipconfig1 (172.18.2.6)	-
<input type="checkbox"/> public11	ipconfig1 (172.18.2.5)	-

Save | Cancel

Type here to search | Taskbar: File Explorer, Edge, Chrome, 18:08 16-08-2020

LOADBALANCERASS | Backend p... | (220) Geetha Govindam Bac... | Operation details - Microsoft Az... | Course of content - Google Drive... | + | - | x

portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/1028e708-2e09-4498-a3b5-0371cfa3bef5/resourceGroups/TESTLOADBALANCER/prov...

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

Home > Load balancers >

Load balancers

DXC Production

LOADBALANCERASS | Backend pools

Load balancer

+ Add | Edit columns | ...

Filter by name...

- ☐ Name ↑↓
- ☐ lb1 ...
- ☐ LOADBALANCERASS ...
- ☐ TEST-LB ...
- ☐ testscale-lb ...

Search (Ctrl+)

Overview

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

Settings

- Frontend IP configuration
- Backend pools
- Health probes
- Load balancing rules
- Inbound NAT rules
- Properties
- Locks

+ Add | Refresh

Backend pool	Virtual machine	Virtual machine stat...	Network interface	Private IP address
backpool				
BACKEND1 (2 virt...				
	-		pub1899	172.18.2.6
	PUBLIC11	Running	public11371	172.18.2.5

Type here to search | Taskbar: File Explorer, Edge, Chrome, Word, 18:16 16-08-2020

LOADBALANCERASS x (220) Oh Priya P x Operation details - x Deployment history x How to reset network x Course of content - x + -

portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/1028e708-2e09-4498-a3b5-0371cfa3bef5/resourceGroups/TESTLOADBALANCER/prov...

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

Home > Load balancers > LOADBALANCERASS | Health probes

DXC Production Load balancer

+ Add Edit columns ...

Filter by name...

☐ Name ↑↓

☐ lb1 ...

☐ LOADBALANCERASS ...

☐ TEST-LB ...

☐ testscale-lb ...

Search (Ctrl+/)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Frontend IP configuration

Backend pools

Health probes

Load balancing rules

Inbound NAT rules

Properties

Locks

Updating

Search probes

Name	Protocol	Port	Used By
HEALTHPROBE1	TCP	3389	-

Type here to search

18:12 16-08-2020

Add load balancing rule - Micro x (220) Geetha Govindam Bac x Virtual machines - Microsoft Azu x Course of content - Google Drive x + -

portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/1028e708-2e09-4498-a3b5-0371cfa3bef5/resourceGroups/TESTLOADBALANCER/prov...

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

Home > Load balancers > LOADBALANCERASS | Load balancing rules > Add load balancing rule

LOADBALANCERASS

A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend pool instances. Only backend instances that the health probe considers healthy receive new traffic.

Name *
BALANCINGRULE1 ✓

IP Version *
☒ IPv4 ☐ IPv6

Frontend IP address * ⓘ
null (LoadBalancerFrontEnd) ✓

Protocol
☒ TCP ☐ UDP

Port *
50010 ✓

OK

Type here to search

18:20 16-08-2020

LOADBALANCERASS | Load balancer

(220) Geetha Govindam Back

Virtual machines - Microsoft Azure

Course of content - Google Drive

portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/1028e708-2e09-4498-a3b5-0371cfa3bef5/resourceGroups/TESTLOADBALANCER/prov...

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

Home > Load balancers >

LOADBALANCERASS | Load balancing rules

DXC ProductionLoad balancer

+ Add Edit columns

Filter by name...

Name ↑↓

lb1

...

LOADBALANCERASS

...

TEST-LB

...

testscale-lb

...

Search (Ctrl+/)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Frontend IP configuration

Backend pools

Health probes

Load balancing rules

Inbound NAT rules

Properties

Locks

+ Add

Updating

Search load balancing rules

Name	Load balancing rule	Backend pool	Health probe
BALANCINGRULE1	BALANCINGRULE1 (TCP...	backpool	HEALTHPROBE1

Type here to search

18:2116-08-2020