



## 1, Create a scale set with windows OS?

 **scalesetforpractice** 

Virtual machine scale set

Start Restart Stop Move Delete Refresh

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

Settings

Instances Networking Scaling Disks Operating system Security Size Extensions Continuous delivery Configuration Upgrade policy Health and repair

Resource group [\(change\)](#)  
[Myvirtualscaleset](#)

Status  
1 out of 1 succeeded

Location  
West US

Subscription [\(change\)](#)  
[Free Trial](#)

Subscription ID  
fd259862-266c-4480-9802-5cf37daf1faa

Fault domains  
5

Colocation status  
N/A

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

Public IP address  
-

Public IP address (IPv6)  
-

Virtual network/subnet  
[Myvirtualscalesetvnet248/default](#)

Operating system  
Windows

Size  
Standard\_B2s (1 instance)


Ephemeral OS disk  
Not applicable

Autoscaling  
Off

Azure Spot  
N/A

Show data for last: 

1 hour 6 hours 12 hours 1 day 7 days 30 days

CPU (average) 

Network (total)



# scalesetforpractice | Operating system

Virtual machine scale set

Search (Ctrl+/)



Save



Discard



Overview



Activity log



Access control (IAM)



Tags



Diagnose and solve problems

## Settings



Instances



Networking



Scaling



Disks



Operating system



Security



Size



Extensions



Continuous delivery



Configuration



Upgrade policy



Health and repair

Operating system

Windows

Image reference ⓘ

Publisher:  
MicrosoftWindowsServer  
Offer: WindowsServer  
SKU: 2019-Datacenter  
Version: latest

Computer name prefix ⓘ

scalesetf

Administrator username

Charitha1999

VM agent ⓘ

Provisioned

Windows automatic updates ⓘ

Enabled

## Licensing

Save up to 49% with a license you already own using Azure Hybrid Benefit.

[Learn more](#)

Already have a Windows Server license? \* ⓘ



Yes



No

[Review Azure hybrid benefit compliance](#)

Automatic OS upgrades ⓘ



On



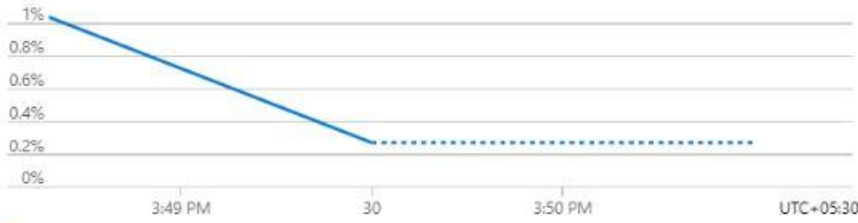
Off



Monitoring application health is required when enabling automatic OS upgrades.

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

### Scale rule



Percentage CPU (Avg)  
scalesetforpractice  
0.27%

☐ Enable metric divide by instance count ⓘ

Operator \*

Equal to

Metric threshold to trigger scale action \* ⓘ

70

%

Duration (in minutes) \* ⓘ


2

Time grain (in mins) ⓘ

1

Time grain statistic \* ⓘ

Average

 Action

Operation \*

Increase count by

Cool down (minutes) \* ⓘ

1

Instance count \*

1

✓

Update

Delete

Auto created scale condition 1 



Scale mode

☒ Scale based on a metric ☐ Scale to a specific instance count

Rules

 It is recommended to have at least one scale in rule. New rules can be created by click hyperlink [Add a rule](#).

Scale out

When `scalesetforpractice` `(Average) Percentage CPU = 70` Increase count by 1

[+ Add a rule](#)

Instance limits

Minimum ⓘ

1 ✓

Maximum ⓘ

2 ✓

Default ⓘ

1 ✓

Schedule

☒ Specify start/end dates ☐ Repeat specific days

Timezone

(UTC+05:30) Chennai, Kolkata, Mumbai, Ne... 

Start date

08/16/2020  12:00:00 AM

End date

08/16/2020  11:59:00 PM

[+ Add a scale condition](#)

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

## Scale rule



☐ Enable metric divide by instance count ⓘ

Operator \*

Equal to

Metric threshold to trigger scale action \* ⓘ

40

Duration (in minutes) \* ⓘ

1

Time grain (in mins) ⓘ

1

Time grain statistic \* ⓘ

Average

Action

Operation \*

Decrease count by

Cool down (minutes) \* ⓘ


5

Instance count \*

2

Update


Delete

Auto created scale condition 1 

Scale mode

☒ Scale based on a metric ☐ Scale to a specific instance count

Rules


 It is recommended to have at least one scale out rule. New rules can be created by click hyperlink [Add a rule](#).

Scale in


When `scalesetforpractice` [\(Average\) Percentage CPU = 40](#) Decrease count by 2

[+ Add a rule](#)

Instance limits

Minimum 

1 

Maximum 

5 

Default 

1 

Schedule

☒ Specify start/end dates ☐ Repeat specific days

Timezone

(UTC+05:30) Chennai, Kolkata, Mumbai, Ne... 

Start date

08/16/2020



9:02:00 AM

End date

08/16/2020



5:05:00 PM

#### 4, Create a storage account and containers with anonyms access and create a static website in the storage account?

The screenshot displays the Azure portal interface for a storage account named 'Teststorage'. The left-hand navigation pane includes sections for 'Overview' (with links to Activity log, Access control (IAM), Tags, Diagnose and solve problems, Data transfer, Events, and Storage Explorer (preview)) and 'Settings' (with links to Access keys, Geo-replication, CORS, Configuration, Encryption, Shared access signature, Firewalls and virtual networks, Private endpoint connections, and Advanced security). The main content area features a top toolbar with a search bar, 'Open in Explorer', 'Move', 'Refresh', 'Delete', and 'Feedback' buttons. Below this is an information banner regarding the retirement of classic alerts in Azure Monitor. The central part of the page lists account details: Resource group (Teststorage), Status (Primary: Available, Secondary: Available), Location (East US, West US), Subscription (Free Trial), and Subscription ID (fd259862-266c-4480-9802-5cf37daf1faa). To the right, a table lists configuration options: Performance/Access tier (Standard/Hot), Replication (Geo-zone-redundant storage (GZRS)), and Account kind (StorageV2 (general purpose v2)). At the bottom, four service tiles are shown: Containers (Scalable, cost-effective storage for unstructured data), File shares (Serverless SMB file shares), Tables (Tabular data storage), and Queues (Effectively scale apps according to). Each tile includes a 'Learn more' link.

teststorage  
Storage account

Search (Ctrl+/) << Open in Explorer → Move Refresh Delete Feedback

Overview  
Activity log  
Access control (IAM)  
Tags  
Diagnose and solve problems  
Data transfer  
Events  
Storage Explorer (preview)

Settings  
Access keys  
Geo-replication  
CORS  
Configuration  
Encryption  
Shared access signature  
Firewalls and virtual networks  
Private endpoint connections  
Advanced security

Classic alerts in Azure Monitor is announced to retire in 2021, it is recommended that you upgrade your classic alert rules to retain alerting functionality. For more information, see [Continue alerting with ARM storage accounts](#).

Resource group ([change](#))  
Teststorage

Status  
Primary: Available, Secondary: Available

Location  
East US, West US

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

Subscription ID  
fd259862-266c-4480-9802-5cf37daf1faa

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

Performance/Access tier Standard/Hot
Replication Geo-zone-redundant storage (GZRS)
Account kind StorageV2 (general purpose v2)

Containers  
Scalable, cost-effective storage for unstructured data  
[Learn more](#)

File shares  
Serverless SMB file shares  
[Learn more](#)

Tables  
Tabular data storage  
[Learn more](#)

Queues  
Effectively scale apps according to

# New container



Name \*

demo



Public access level ⓘ

Container (anonymous read access for containers and blobs)



All container and blob data can be read by anonymous request. Clients can enumerate blobs within the container by anonymous request, but cannot enumerate containers within the storage account.

✓ Advanced

Create

Discard



 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.  
[\\$web](#)

#### Primary endpoint ⓘ

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

#### Index document name ⓘ

sample

#### Error document path ⓘ

[https://teststoragecharitha.blob.core.windows.net/sample/IMG\\_20200806\\_221656.jpg](https://teststoragecharitha.blob.core.windows.net/sample/IMG_20200806_221656.jpg)

5, Create two virtual machines with no public ip address and attach the machines to the load balancer and block the 3389 port and use 50010?

demoVM1 and sample1 with no public IP:-

## Create a virtual machine


Basics   Disks   Networking   Management   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 *	<div>(new) samplevirtualmachine-vnet</div> <div>Create new</div>
Subnet *	<div>(new) default (10.1.1.0/24)</div>
Public IP	<div>None</div> <div>Create new</div>
NIC network security group	<div><input type="radio"/> None <input checked="" type="radio"/> Basic <input type="radio"/> Advanced</div>
Public inbound ports *	<div><input type="radio"/> None <input checked="" type="radio"/> Allow selected ports</div>
Select inbound ports *	<div>SSH (22)</div>

 This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Review + create

< Previous

Next : Management >

Resource group ( <a href="#">change</a> ) <a href="#">samplevirtualmachine</a>	Operating system Windows (Windows Server 2016 Datacenter)
Status Running	Size Standard B2s (2 vcpus, 4 GiB memory)
Location East US 2	Public IP address -
Subscription ( <a href="#">change</a> ) <a href="#">Free Trial</a>	Virtual network/subnet <a href="#">samplevirtualmachine-vnet/default</a>
Subscription ID fd259862-266c-4480-9802-5cf37daf1faa	DNS name -
Tags ( <a href="#">change</a> ) <a href="#">Click here to add tags</a>	
✕ Essentials	

- Properties
- Monitoring
- Capabilities
- Recommendations
- Tutorials

 <b>Virtual machine</b>		 <b>Networking</b>	
Computer name	demoVM1	Public IP address	-
Operating system	Windows (Windows Server 2016 Datacenter)	Public IP address (IPv6)	-

 Connect  Start  Restart  Stop  Capture  Delete  Refresh  Share to mobile

Resource group ([change](#))

[TestVM1image](#)

Status

Stopped (deallocated)

Location

East US

Subscription ([change](#))

[Free Trial](#)

Subscription ID

fd259862-266c-4480-9802-5cf37daf1faa

Tags ([change](#))

[Click here to add tags](#)

⌵ Essentials

Operating system

Windows

Size

Standard\_DS1\_v2 (1 vcpu, 3.5 GiB memory)

Public IP address

-

Virtual network/subnet

[TestVM1image-vnet/default](#)

DNS name

-

**Properties**

Monitoring

Capabilities

Recommendations

Tutorials



### Virtual machine

Computer name

(start VM to view)

Operating system

Windows



### Networking

Public IP address

-

Public IP address (IPv6)

-

# Add inbound NAT rule

demoloadbalancer

IP Version ⓘ

IPv4

Service \*

Custom

▼

Protocol

☒ TCP

☐ UDP

Idle timeout (minutes) ⓘ

4

Max: 30

Port \*

50010

✓

Target virtual machine

None

▼

Port mapping ⓘ

☐ Default

☒ Custom

Floating IP (direct server return) ⓘ

☒ Disabled

☐ Enabled

Target port \*

3389

✓

Add