

## 1. Create a VM with availability set using the custom image with chrome Pre installed

The screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal. The 'Basics' tab is selected, and the 'Create new' sidebar is open on the right.

**Create a virtual machine**

Instance details

- Virtual machine name: vm3
- Region: (US) West US 2
- Availability options: Availability set
- Availability set: No existing availability sets in current resource group and location. [Create new](#)
- Image: Windows Server 2016 Datacenter - Gen1 [Browse all public and private images](#)
- Azure Spot instance: ☐ Yes ☒ No
- Size: Standard\_DS1\_v2 - 1 vcpu, 3.5 GiB memory (₹5,645.28/month) [Select size](#)

Administrator account

[Review + create](#) < Previous Next > [Disks](#)

**Create new**

Group two or more VMs in an availability set to ensure that at least one is available during planned or unplanned maintenance events. [Learn more](#)

Name: availableset1

Fault domains: 2

Update domains: 5

Use managed disks: ☐ No (Classic) ☒ Yes (Aligned)

[OK](#)

The screenshot shows the 'Review + create' step of the 'Create a virtual machine' wizard. A green banner indicates 'Validation passed'.

**Create a virtual machine**

✓ Validation passed

**Basics**

Subscription	Free Trial
Resource group	(new) vm3
Virtual machine name	vm3
Region	West US 2
Availability options	Availability set
Availability set	(new) availableset1
Image	Windows Server 2016 Datacenter - Gen1
Size	Standard DS1 v2 (1 vcpu, 3.5 GiB memory)
Username	prasanna
Public inbound ports	RDP
Already have a Windows license?	No
Azure Spot	No

[Create](#) < Previous Next > [Download a template for automation](#)

Azure/Assignment-3.pdf x Create a virtual machine - h x Assessments - Google Drive x satzisa/html5-speedtest - x Understanding CIDR Notat x + -

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

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

Home > Virtual machines >

## Create a virtual machine

Validation passed

**Disks**

OS disk type	Standard HDD
Use managed disks	Yes
Use ephemeral OS disk	No

**Networking**

Virtual network	(new) vm3-vnet
Subnet	(new) default (10.2.3.0/24)
Public IP	(new) vm3-ip
Accelerated networking	Off
Place this virtual machine behind an existing load balancing solution?	No

**Management**

Create < Previous Next > Download a template for automation

Type here to search

12:54 26-08-2020

Azure/Assignment-3.pdf x Create a virtual machine - h x Assessments - Google Drive x satzisa/html5-speedtest - x Understanding CIDR Notat x + -

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

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

Home > Virtual machines >

## Create a virtual machine

Validation passed

**Management**

Boot diagnostics	On
OS guest diagnostics	Off
Azure Security Center	Basic (free)
Diagnostics storage account	(new) vm3diag440
System assigned managed identity	Off
Auto-shutdown	Off
Backup	Disabled

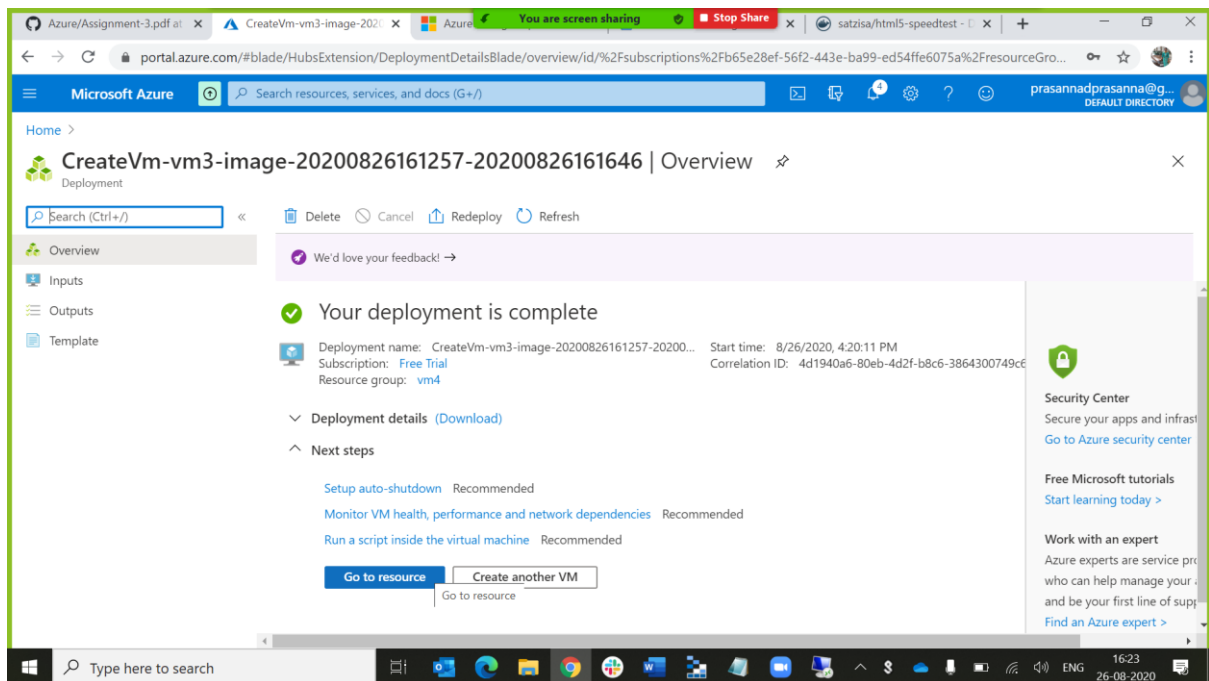
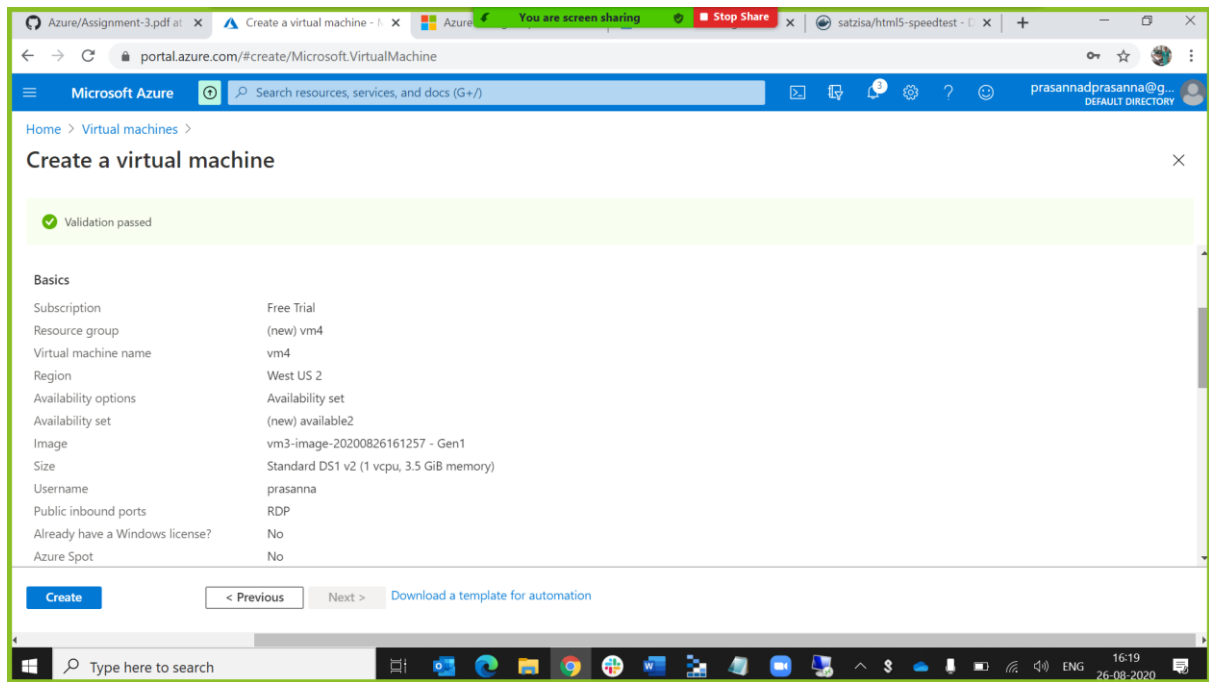
**Advanced**

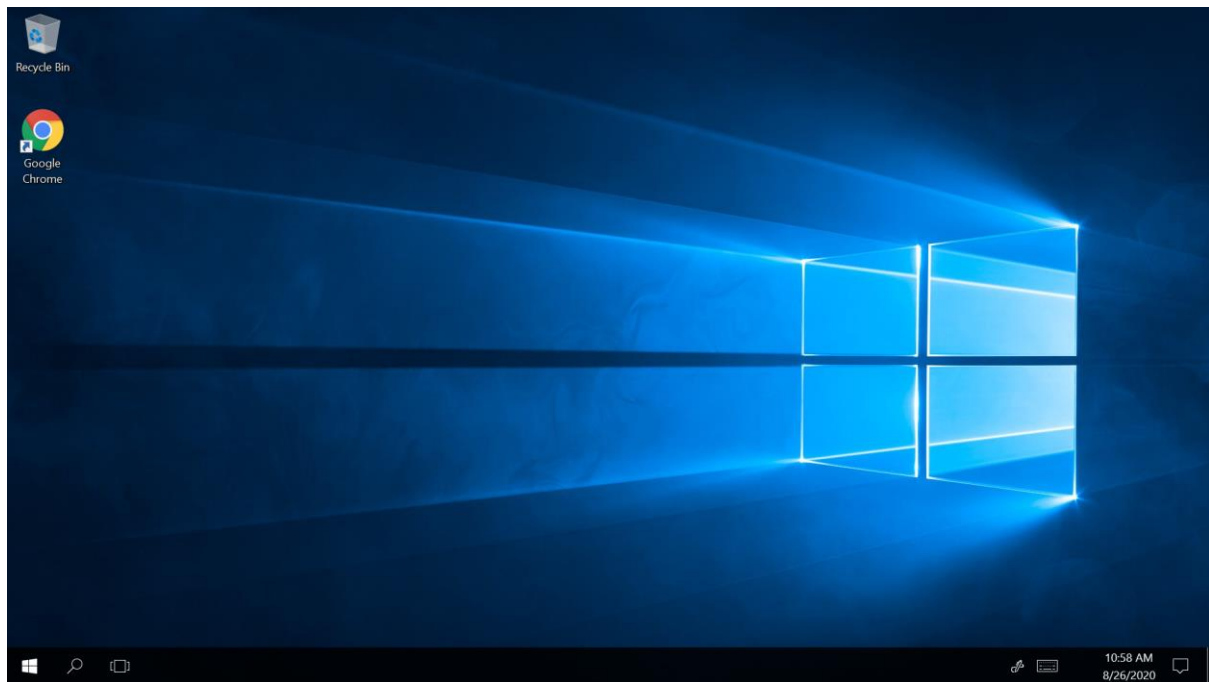
Extensions	None
Cloud init	No
Proximity placement group	None

Create < Previous Next > Download a template for automation

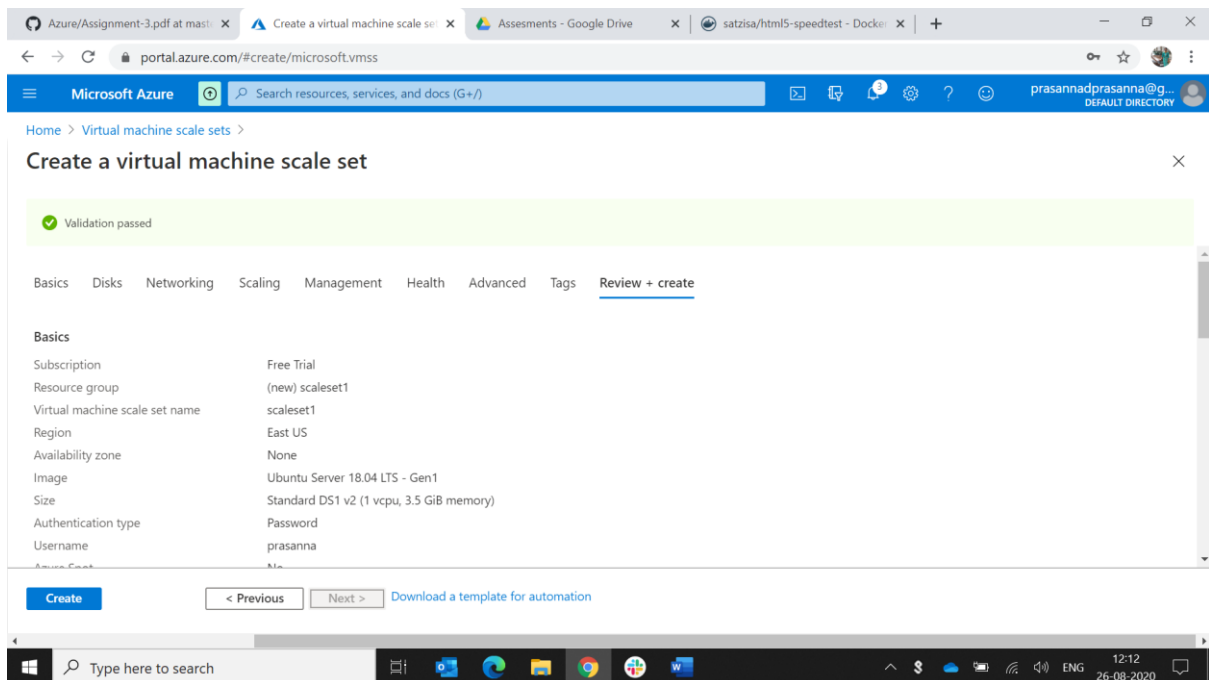
Type here to search

12:54 26-08-2020





## 2. Create a Virtual machine scale set with DS1-v2 standard



Azure/Assignment-3.pdf at masi x Create a virtual machine scale set x Assessments - Google Drive x satzisa/html5-speedtest - Docker x +

portal.azure.com/#create/microsoft.vms

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

Home > Virtual machine scale sets >

## Create a virtual machine scale set

Validation passed

Azure Spot	No
------------	----

**Instance**

Initial instance count	2
------------------------	---

**Disks**

OS disk type	Standard HDD
Use managed disks	Yes
Use ephemeral OS disk	No

**Networking**

Virtual network	(New) scaleset1-vnet (recommended)
Network interfaces	scaleset1-vnet-nic01

Create < Previous Next > Download a template for automation

Type here to search

12:12 26-08-2020

Azure/Assignment-3.pdf at masi x Create a virtual machine scale set x Assessments - Google Drive x satzisa/html5-speedtest - Docker x +

portal.azure.com/#create/microsoft.vms

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

Home > Virtual machine scale sets >

## Create a virtual machine scale set

Validation passed

Network interfaces	scaleset1-vnet-nic01
Load balancing	No

**Management**

Upgrade mode	Manual
Boot diagnostics	On
Azure Security Center	Free
Diagnostics storage account	scaleset1diag579
System assigned managed identity	Off
Automatic OS upgrades	Off

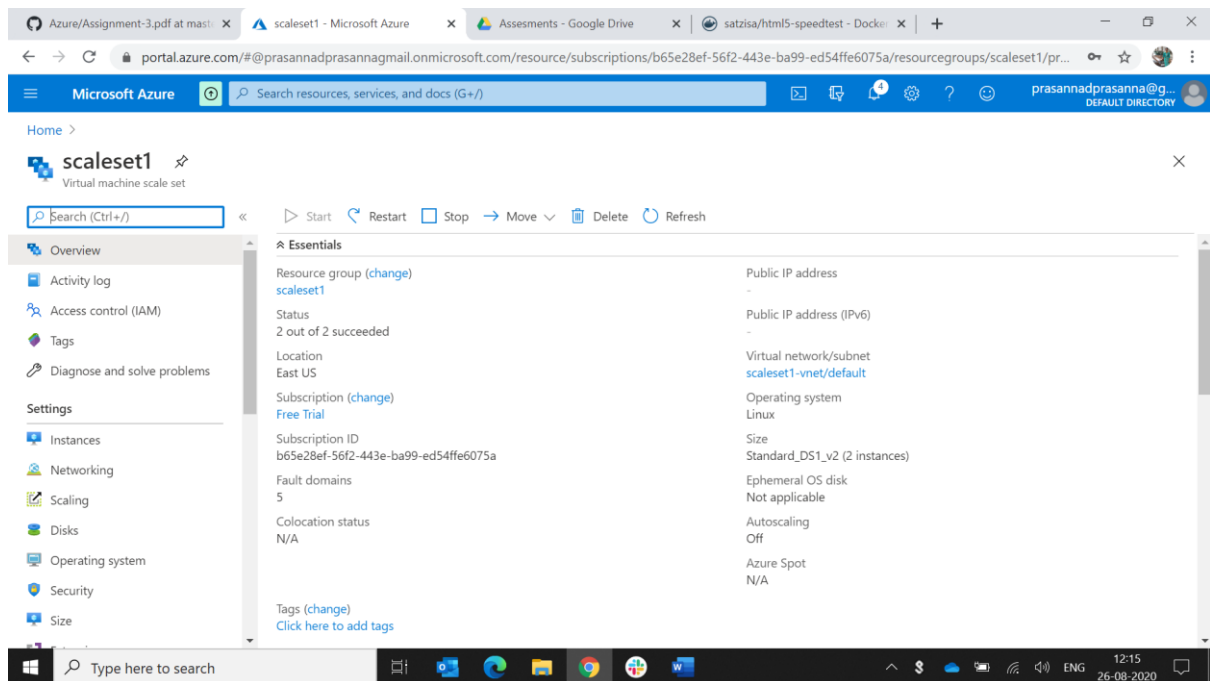
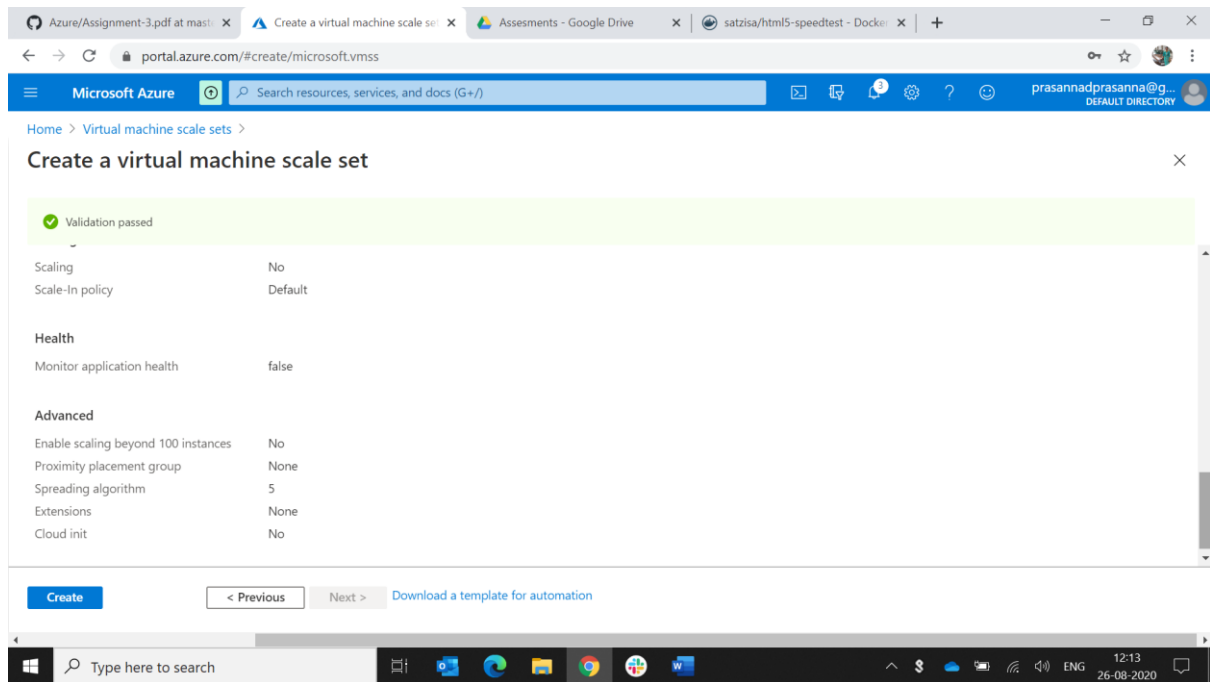
**Scaling**

Scaling	No
Scale-In policy	Default

Create < Previous Next > Download a template for automation

Type here to search

12:12 26-08-2020



3. Create a blob storage account with GRS standard and enable the blob soft delete with 15 days retention period also it should be able to connect with Azure storage explorer

Azure/Assignment-3.pdf at masi x Create storage account - Micros x Assessments - Google Drive x satzisa/html5-speedtest - Docker x +

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

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

Home > Storage accounts >

## Create storage account

Instance details

The default deployment model is Resource Manager, which supports the latest Azure features. You may choose to deploy using the classic deployment model instead. [Choose classic deployment model](#)

Storage account name \*

Location \*

Performance ☒ Standard ☐ Premium

Account kind

Replication

Access tier (default) ☐ Cool ☒ Hot

[Review + create](#) < Previous Next: Networking >

Type here to search

15:39 26-08-2020

## Enable the soft delete file shares

Azure/Assignment-3.pdf at masi x Create storage account - Micros x Assessments - Google Drive x satzisa/html5-speedtest - Docker x +

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

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

Home > Storage accounts >

## Create storage account

Soft delete enables you to recover blobs that were previously marked for deletion, including blobs that were overwritten. [Learn more](#)

☐ Turn on soft delete for containers

**Sign up is currently required to utilize the Container soft delete feature on a per-subscription basis. [Learn more about container soft delete](#)**

Soft delete enables you to recover containers that were previously marked for deletion. [Learn more](#)

☒ Turn on soft delete for file shares

Soft delete enables you to recover file shares that were previously marked for deletion. [Learn more](#)

Keep deleted file shares for (in days)

Tracking

☐ Turn on versioning

Use versioning to automatically maintain previous versions of your blobs for recovery and restoration. [Learn more](#)

☐ Turn on blob change feed

Keep track of create, modification, and delete changes to blobs in your account. [Learn more](#)

[Review + create](#) < Previous Next: Advanced >

Type here to search

15:42 26-08-2020

Azure/Assignment-3.pdf at masi x Create storage account - Micros x Assessments - Google Drive x satzisa/html5-speedtest - Docker x +

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

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

Home > Storage accounts >

## Create storage account

Validation passed

Basics Networking Data protection Advanced Tags **Review + create**

**Basics**

Subscription	Free Trial
Resource group	(New) storage1
Location	East US
Storage account name	teststorageblob01
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Geo-redundant storage (GRS)
Performance	Standard
Access tier (default)	Hot

Create < Previous Next > Download a template for automation

Type here to search

15:43 26-08-2020

Azure/Assignment-3.pdf at masi x Create storage account - Micros x Assessments - Google Drive x satzisa/html5-speedtest - Docker x +

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

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

Home > Storage accounts >

## Create storage account

Validation passed

Networking

Connectivity method	Public endpoint (all networks)
Default routing tier	Microsoft network routing (default)

**Data protection**

Blob soft delete	Disabled
Container soft delete	Disabled
File share soft delete	Enabled
File share retainment period in days	15 days
Blob change feed	Disabled
Versioning	Disabled

**Advanced**

Create < Previous Next > Download a template for automation

Type here to search

15:44 26-08-2020



Microsoft Azure portal showing the 'Create storage account' page. The page displays configuration options for a new storage account, including retention periods, change feeds, and advanced settings like secure transfer and encryption. A 'Create' button is visible at the bottom.

Validation passed

Configuration	Value
File share retention period in days	15 days
Blob change feed	Disabled
Versioning	Disabled

Advanced

Configuration	Value
Secure transfer required	Enabled
Infrastructure encryption	Disabled
Allow Blob public access	Enabled
Minimum TLS version	Version 1.0
Large file shares	Disabled
Hierarchical namespace	Disabled
NFS v3	Disabled

Buttons: Create, < Previous, Next >, Download a template for automation

Microsoft Azure portal showing the 'teststorageblob01' storage account page. The page displays account details such as status, location, subscription, and tags. An 'Azure Storage Explorer' dialog box is open, prompting the user to download the application.

teststorageblob01

Storage account

Search (Ctrl+/)

Overview

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

Settings

- Access keys
- Geo-replication

Azure Storage Explorer

Open Azure Storage Explorer

You can download Azure Storage Explorer if you do not have it yet

OK

Property	Value
Status	Primary: Available, Secondary: Available
Location	East US, West US
Subscription	b65e28ef-56f2-443e-ba99-ed54ffe6075a
Replication	Geo-redundant storage (GRS)
Account kind	StorageV2 (general purpose v2)

Tags (change)

Click here to add tags

Downloading the azure storage explorer

Microsoft Azure Storage Explorer

File Edit View Help

Release Notes: 1.14.2 container1

Search for resources

Upload Download Open New Folder Select All Copy Paste Clone with New Name Delete Undo Manage History More

Active blobs (default) container1

Search by prefix (case-sensitive)

Name	Access Tier	Access Tier Last Modified	Last Modified	Blob Type	Content Type	Size	Status	Remaining Days	Delete
AZURE.txt	Hot (inferred)		8/26/2020, 3:48:32 PM	Block Blob	text/plain	13 B	Active		

Showing 1 to 1 of 1 cached items

Actions Properties

URL: https://teststorageblob01.blob.core.windows.net/container1/AZURE.txt

Custom Domain: false

Type: Blob Container

HNS Enabled: false

Lease State: available

Lease Status: unlocked

Public Read Access: blob

Last Modified: Wed, 26 Aug 2020 10:17:51 GMT

Activities

Clear completed Clear successful

Starting transfer of 'container1/AZURE.txt' to 'C:\Users\ldasari5\AppData\Local\Temp\15984376568990' (using SAS)

Type here to search

15:57 26-08-2020

Microsoft Azure Storage Explorer

File Edit View Help

Release Notes: 1.14.2 container1

Search for resources

Upload Download

Active blobs (default) container1

Search by prefix (case-sensitive)

Name	Access Tier	Access Tier Last Modified	Last Modified	Blob Type	Content Type	Size	Status	Remaining Days	Delete
AZURE.txt	Hot (inferred)		8/26/2020, 3:48:32 PM	Block Blob	text/plain	13 B	Active		

Showing 1 to 1 of 1 cached items

Actions Properties

URL: https://teststorageblob01.blob.core.windows.net/container1/AZURE.txt

Custom Domain: false

Type: Blob Container

HNS Enabled: false

Lease State: available

Lease Status: unlocked

Public Read Access: blob

Last Modified: Wed, 26 Aug 2020 10:17:51 GMT

Activities

Clear completed

Transfer (used SAS)

Ln 1, Col 1 100% Windows (CRLF) UTF-8

Open Folder

hiii everyone

Type here to search

15:58 26-08-2020

#### 4. Configure the Vnet and create 3 subnets in the Vnet

The screenshot shows the Microsoft Azure portal interface. The left sidebar displays the 'Virtual networks' section with a list of virtual networks: scaleset1-vnet, vm1-vnet, vnet1, and vnet2. The main pane shows the 'vnet2 | Subnets' configuration page. A search bar is at the top, followed by '+ Subnet', '+ Gateway subnet', and a 'Refresh' button. Below this is a table of subnets:

Name	IPv4	IPv6 (many availa...)	Delegated to	Security g
default	10.1.0.0/24 (251 availa...	-	-	-
subnet1	10.1.1.0/24 (251 availa...	-	-	-
subnet2	10.1.2.0/24 (251 availa...	-	-	-
subnet3	10.1.3.0/24 (251 availa...	-	-	-

The bottom of the screen shows the Windows taskbar with the time 12:34 and date 26-08-2020.

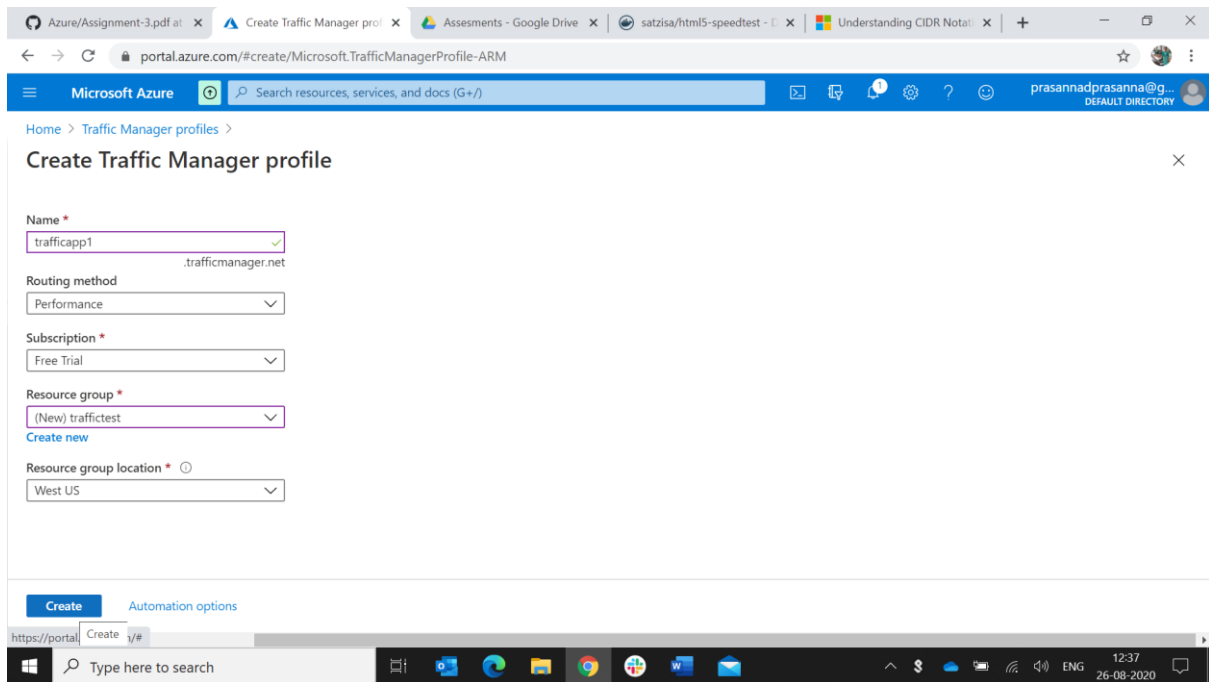
#### 5. Create a traffic manager with performance routing method

The screenshot shows the 'Create Traffic Manager profile' form in the Microsoft Azure portal. The form includes the following fields:

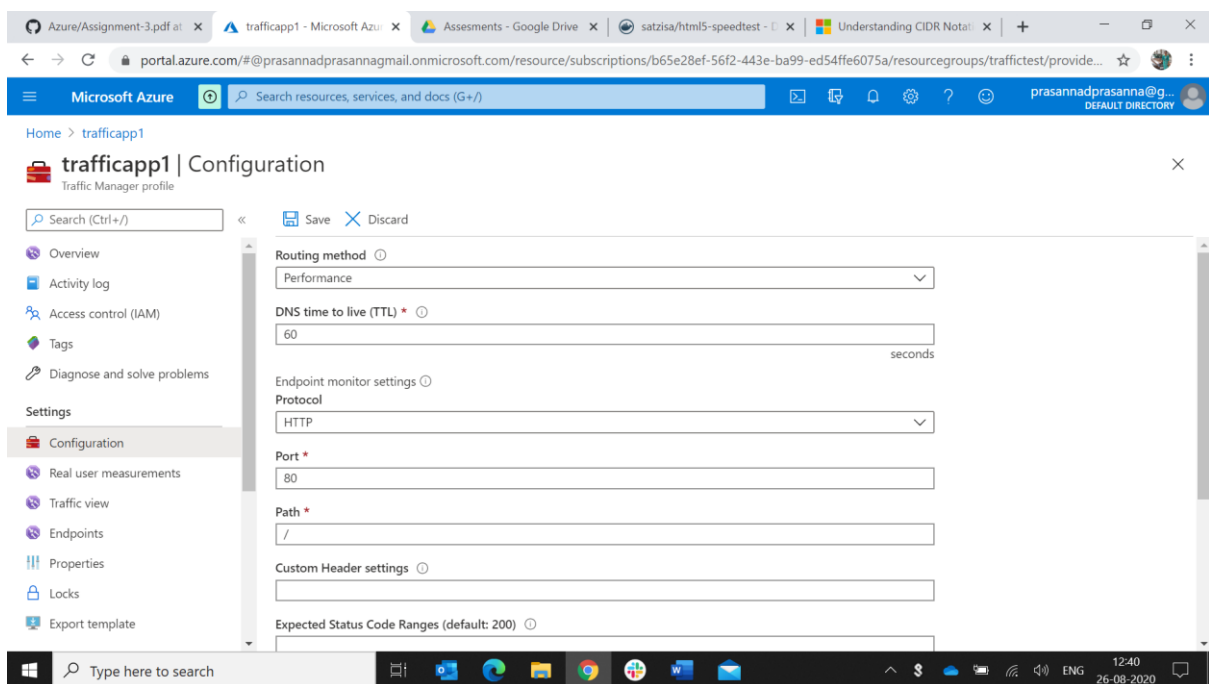
- Name \***: trafficapp1
- Routing method**: Performance
- Subscription \***: Free Trial
- Resource group \***: (New) traffictest
- Resource group location \***: West US

At the bottom of the form, there is a 'Create' button and a link to 'Automation options'. The Windows taskbar at the bottom shows the time 12:37 and date 26-08-2020.

It is created.....go to resource



In overview go to the configuration



Azure/Assignment-3.pdf at x trafficapp1 - Microsoft Azure x Assessments - Google Drive x satzisa/html5-speedtest - x Understanding CIDR Notat x + -

portal.azure.com/#@prasannadprasannagmail.onmicrosoft.com/resource/subscriptions/b65e28ef-56f2-443e-ba99-ed54ffe6075a/resourcegroups/traffictest/provide...

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

Home > trafficapp1

### trafficapp1 | Configuration

Traffic Manager profile

Search (Ctrl+/) Save Discard

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Configuration

Real user measurements

Traffic view

Endpoints

Properties

Locks

Export template

80

Path \*

/

Custom Header settings

Expected Status Code Ranges (default: 200)

Fast endpoint failover settings

Probing interval

10

Tolerated number of failures \*

3

Probe timeout \*

seconds

Type here to search

12:40 26-08-2020

Then click on save

Go to the endpoints on overview

Azure/Assignment-3.pdf at x Add endpoint - Microsoft Azure x Assessments - Google Drive x satzisa/html5-speedtest - x Understanding CIDR Notat x + -

portal.azure.com/#@prasannadprasannagmail.onmicrosoft.com/resource/subscriptions/b65e28ef-56f2-443e-ba99-ed54ffe6075a/resourcegroups/traffictest/provide...

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

Home > trafficapp1

### trafficapp1 | Endpoints

Traffic Manager profile

Search (Ctrl+/) Add Refresh

Search endpoints

Name	Status	Mo
No results.		

#### Add endpoint

trafficapp1

Type \*

Azure endpoint

Name \*

endpointtraffic1

Target resource type

App Service

Target resource \*

testappdx (West US)

Custom Header settings

Add as disabled

Add

Type here to search

12:42 26-08-2020

Microsoft Azure

Search resources, services, and docs (G+)

Home > trafficapp1

## trafficapp1 | Endpoints

Traffic Manager profile

Search (Ctrl+/)

+ Add Refresh

Search endpoints

Name ↑↓	Status ↑↓	Monitor status ↑↓	Type ↑↓	Location ↑↓
endpointtraffic1	Enabled	Checking endpoint	Azure endpoint	West US

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Configuration

Real user measurements

Traffic view

Endpoints

Properties

Locks

Export template