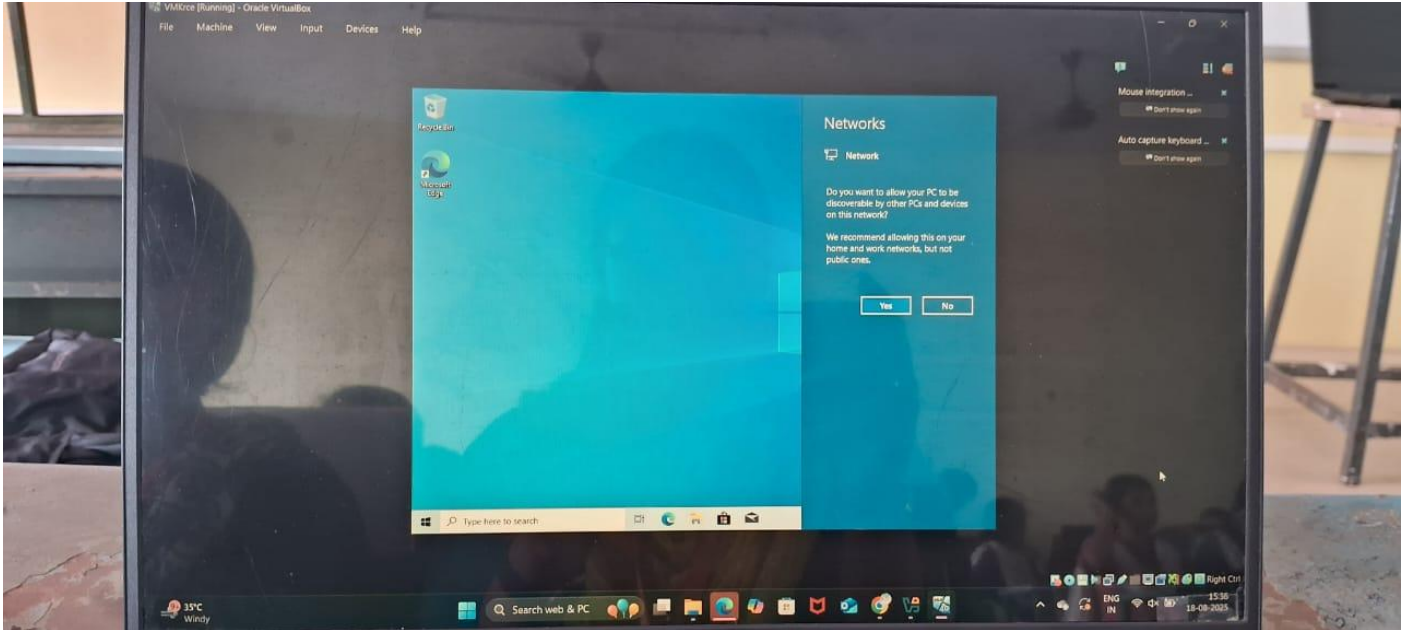
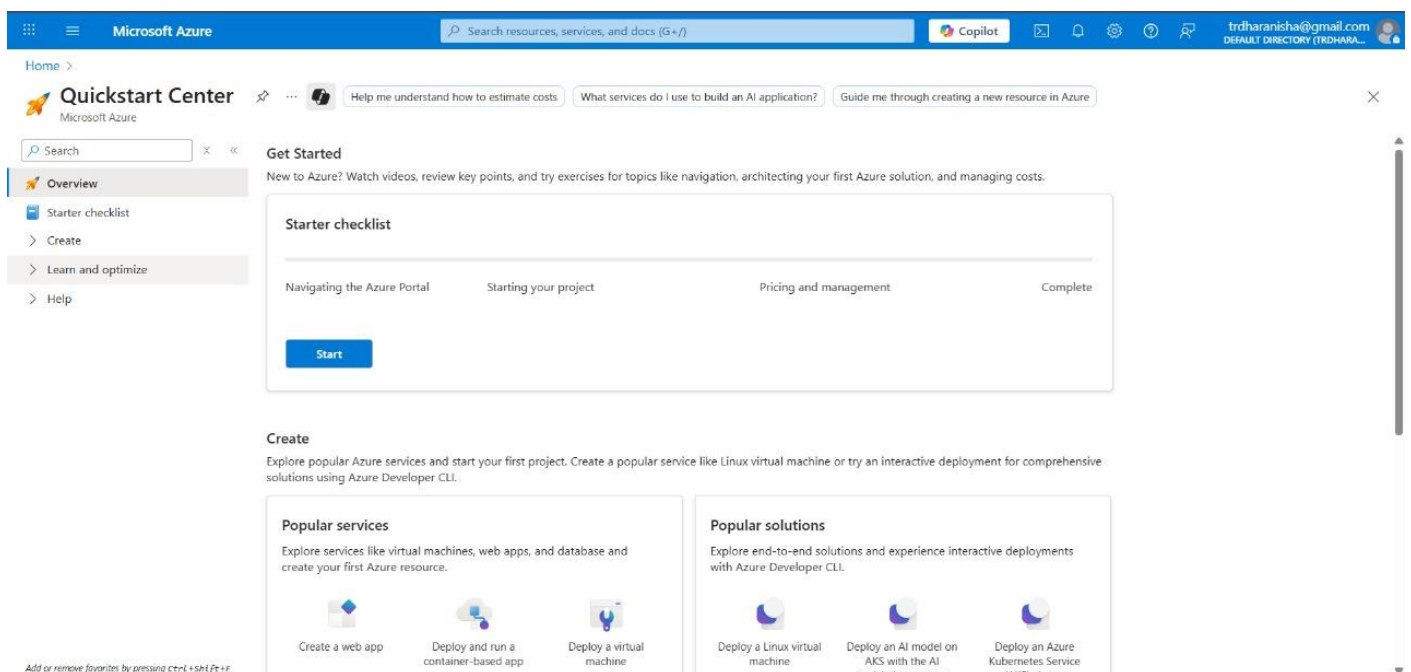


# HANDS ON OF MICROSOFT AZURE FUNDAMENTALS AZ-900

## CREATED VIRTUAL MACHINE ON WINDOWS:



## ACCOUNT CREATED ON MICROSOFT AZURE:



# CREATED BUDGET:

Microsoft Azure

Upgrade

Search resources, services, and docs (G+I)

Copilot

trdharanisha@gmail.com

Home > Cost Management: T R DHARANISHA

Cost Management: T R DHARANISHA | Budgets

Show my Credit Balances

What's my current month's cost by service type?

What are my top 5 services with highest cost

Search

+ Add Refresh Feedback Help

Scope: T R DHARANISHA Search by name All periods

Name	Scope	Reset period	Creation date	Expiration date	Budget	Forecasted	Evaluated spend	Progress
buddy	fcf53bef-d091-5114-...	Monthly	8/1/2025	9/1/2025	\$17,364.00		\$0.00	0.00%

Overview

Change scope

Access control

Diagnose and solve problems

Reporting + analytics

Monitoring

Cost alerts

Alert rules

Budgets

Optimization

Settings

Billing

Help

Add or remove favorites by pressing Ctrl+Shift+F

# CREATED RESOURCE GROUPS:

Microsoft Azure

Upgrade

Search resources, services, and docs (G+I)

Copilot

trdharanisha@gmail.com

Home >

Recent

Query resources in this region

Suggest services related to this list

Compare metrics across these resources

Manage view Refresh Export to CSV Clear Assign tags

Group by none

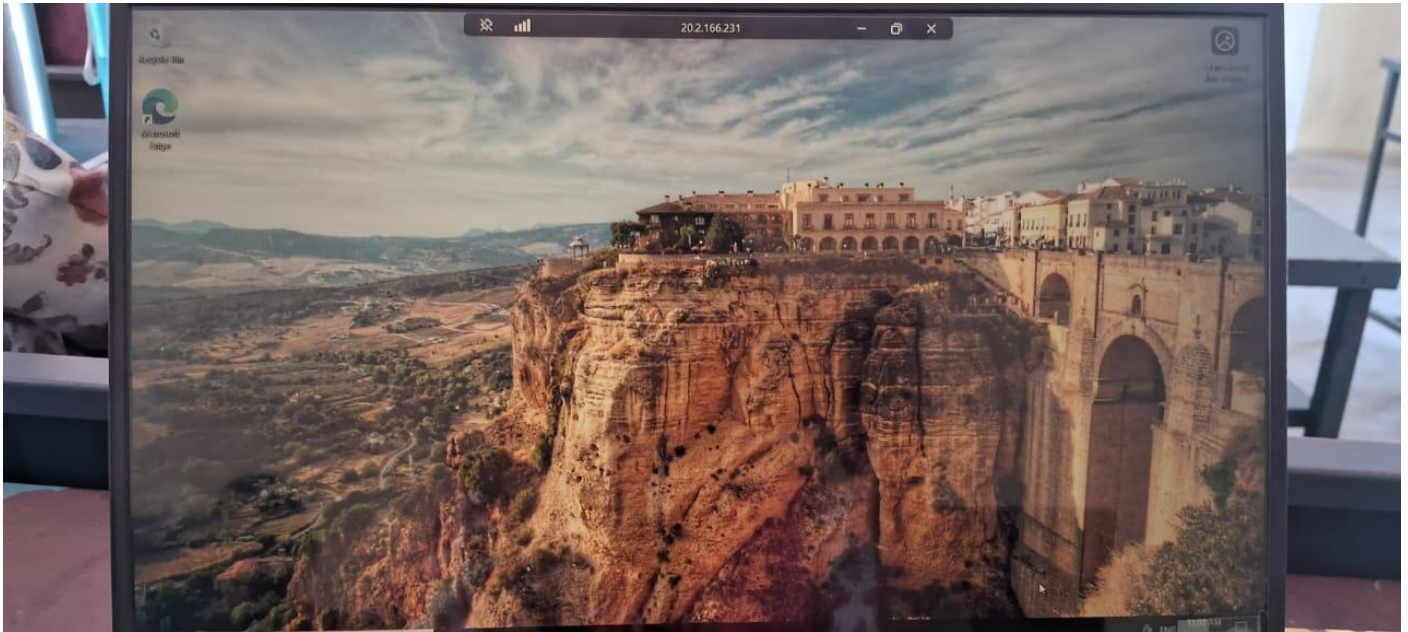
Filter for any field... Subscription equals all Resource Group equals all Type equals all Location equals all Add filter

Name	Type	Location	Resource Group	Subscription	Last accessed
dhara	Resource group	West India	dhara	Azure subscription 1	1 minute ago

Showing 1 - 1 of 1. Display count: auto

Give feedback

## VIRTUAL MACHINE CREATED:



## CREATED UBUNTU VM (LINUX):

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

Home > DHARANISHA | Connect

Virtual machine

Admin username: Dhara  
Port (change): 22 [Check access](#)  
Just-in-time policy: Unsupported by plan

Recommended: SSH using Azure CLI  
Quickly connect in browser. Supports Microsoft Entra ID authentication. Private key not required.

Most common: Native SSH  
No additional software needed. Private key required for connection. Best for those with existing SSH keys.

SSH using Azure CLI  
Connect from the Azure portal  
login to the virtual machine via CloudShell. [Learn more](#)

- ✓ Port 22 access  
Port 22 is accessible on this virtual machine for all configured IPs. [Learn more](#)
- Change the port for connecting to this virtual machine on the Connect page of the virtual machine.
- ✓ Public IP address: 20.189.96.4  
A public IP address is required to connect via this connection method.
- ☒ I understand just-in-time policy on the virtual machine may be re-configured to allow any source IP to request just-in-time access to port 22.

[Connect](#) [Close](#) [Troubleshooting](#) [Give feedback](#)

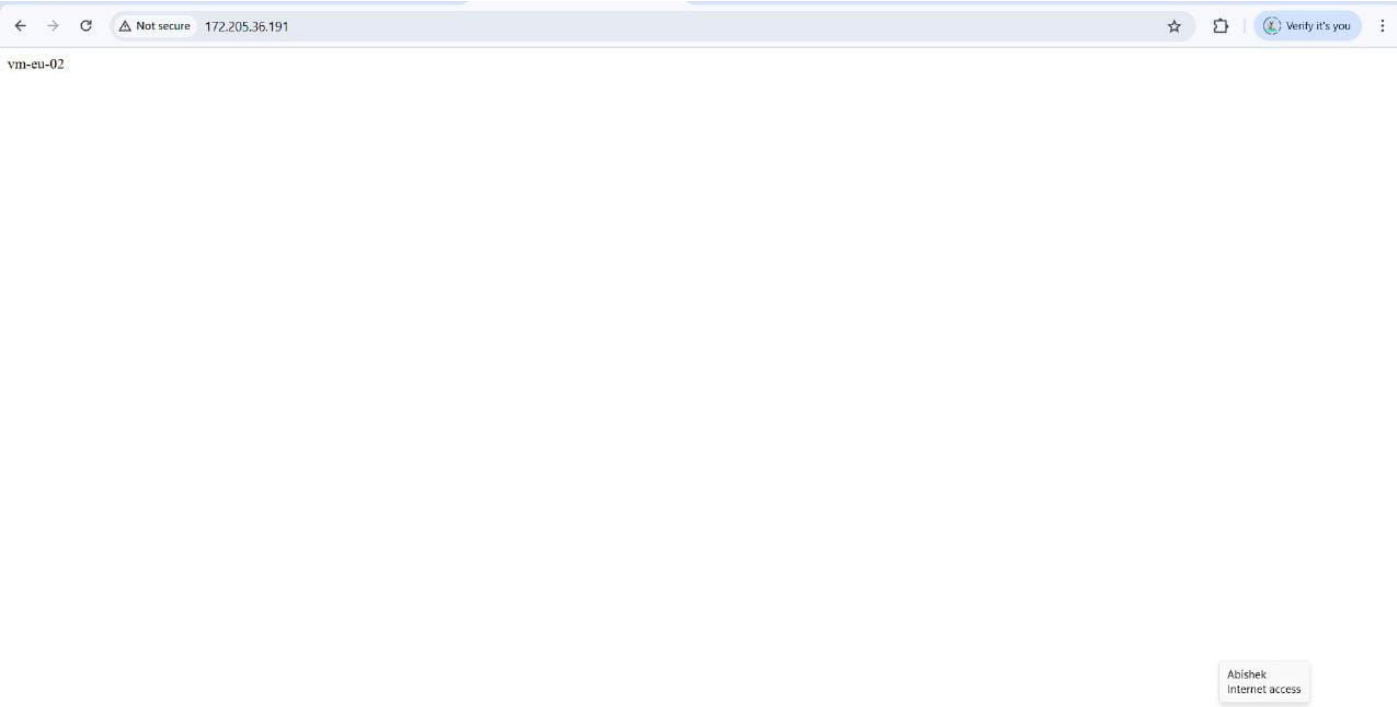
Switch to PowerShell | Restart | Manage files | New session | Editor | Web preview | Settings | Help

```
Type "az" to use Azure CLI
Type "help" to learn about Cloud Shell

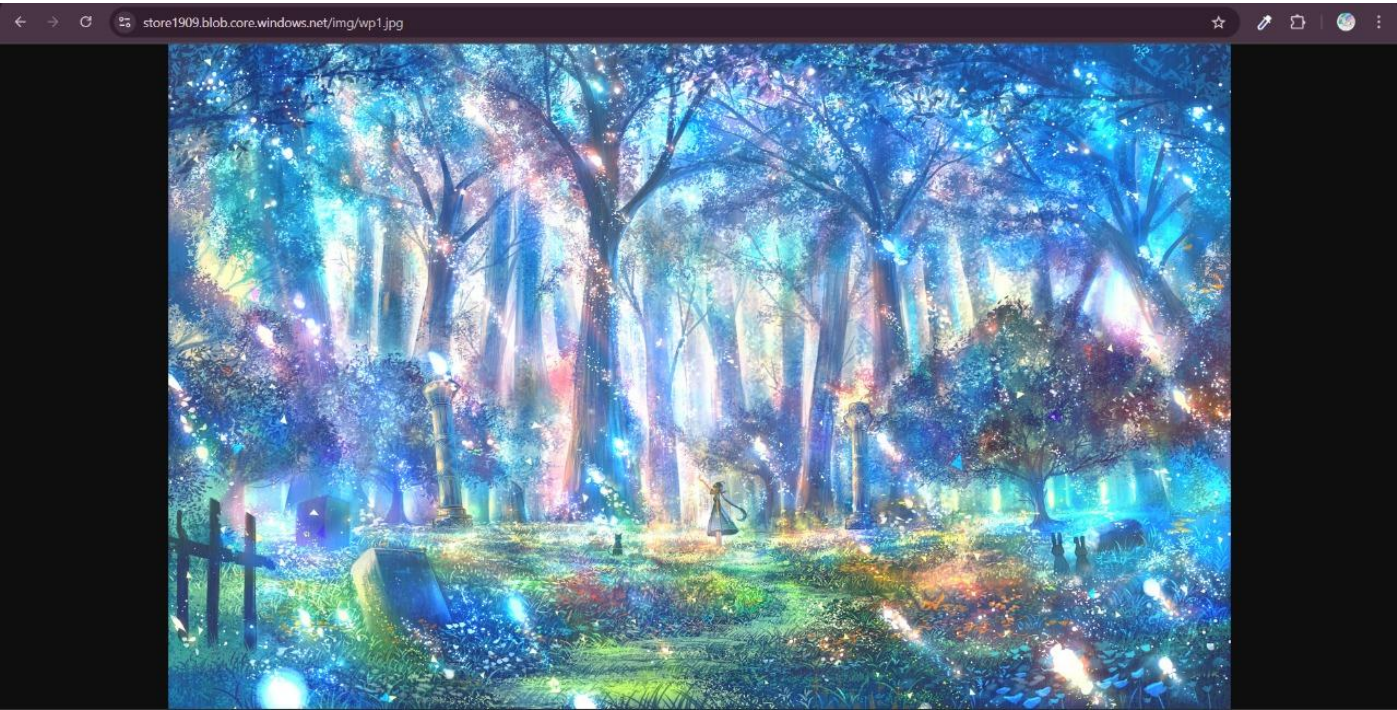
Your Cloud Shell session will be ephemeral so no files or system changes will persist beyond your current session.
t [ ~ ]$ mkdir d1
t [ ~ ]$ cd d1
t [ ~/d1 ]$ mkdir d2
t [ ~/d1 ]$ cd d2
t [ ~/d1/d2 ]$ touch file.txt
t [ ~/d1/d2 ]$ echo "new text">file.txt
t [ ~/d1/d2 ]$ cat file.txt
new text
t [ ~/d1/d2 ]$
```



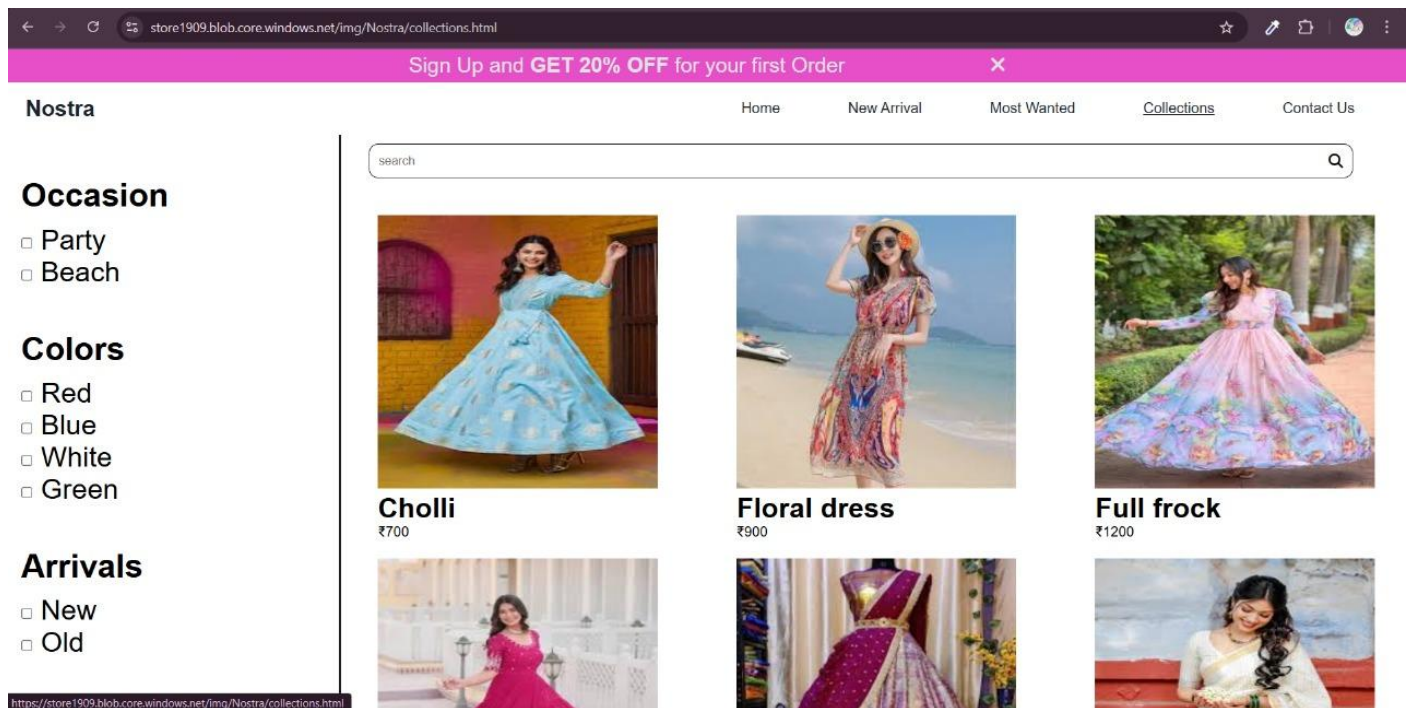
LOAD BALANCER CREATED:



BLOB CONTAINER CREATED:



## WEBSITE CREATED ON BLOB CONTAINER:



## FILE SHARE CREATED:

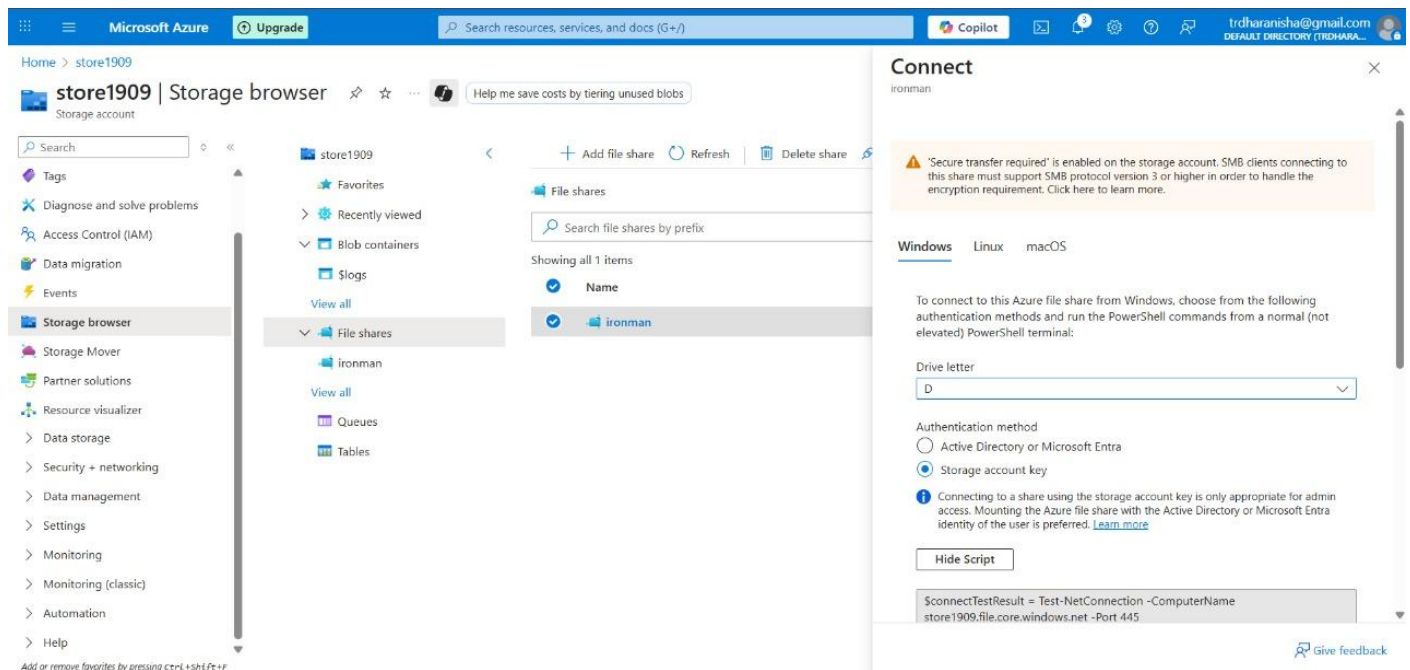


TABLE CREATED:

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

Copilot

trdharanisha@gmail.com

DEFAULT DIRECTORY (TRDHARA...

Home > store1909

store1909 | Storage browser

Storage account

Search

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Partner solutions

Resource visualizer

Data storage

Security + networking

Data management

Settings

Monitoring

Monitoring (classic)

store1909

Favorites

Recently viewed

Blob containers

File shares

Queues

Tables

spiderman

View all

Add entity

Refresh

Delete

Edit columns

Tables > spiderman

Authentication method: Access key (Switch to Microsoft Entra user account)

Add filter

Advanced filters

Showing all 1 items

PartitionKey	RowKey	Timestamp	section
beam	benten	2025-08-22T06:16:50.7729...	victorya

QUEUE CREATED:

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

Copilot

trdharanisha@gmail.com

DEFAULT DIRECTORY (TRDHARA...

Home > store1909

store1909 | Storage browser

Storage account

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Data storage

Security + networking

Data management

Settings

Monitoring

Monitoring (classic)

store1909

Favorites

Recently viewed

Blob containers

File shares

Queues

dangerschool

Tables

View all

Add message

Dequeue message

Clear queue

Refresh

Edit columns

Queues > dangerschool

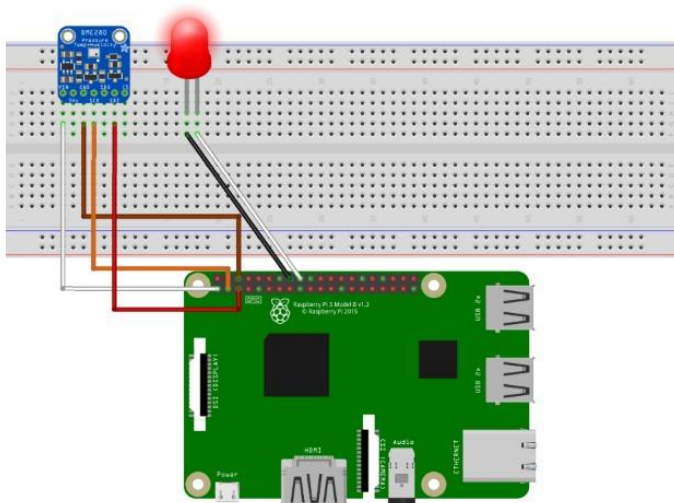
Authentication method: Access key (Switch to Microsoft Entra user account)

Showing all 1 items

Message text	Id	Insertion time	Expiration time	Dequeue count
the days are on the way towards danger school	2b3b4cd2-92d5-4cc7-b12...	8/22/2025, 11:48:58 AM	8/29/2025, 11:48:58 AM	0



## CREATED IOT HUB:



```
1-
2- oft Sample Code - Copyright (c) 2017 - Licensed MIT
3-
4- ce').Client;
5- ice').Message;
6- vice-mqtt').Mqtt;
7- );
8-
9-
10-
11- C_ADDRESS() // defaults to 0x77
12-
13-
14-
15- man.azure.devices.net;DeviceId=harrypotter;SharedAccessKey=Ja8hoInkfwTapiL81QhV547knaCF0K13AHV07hukn
16-
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100-
```

Stop Reset

> Message sent to Azure IoT Hub

> Sending message: {"messageId":63,"deviceId":"Raspberry Pi Web Client","temperature":24.773912193723547,"humidity":24.773912193723547}

> Message sent to Azure IoT Hub

> Sending message: {"messageId":64,"deviceId":"Raspberry Pi Web Client","temperature":20.825924093558018,"humidity":20.825924093558018}

> Message sent to Azure IoT Hub

>

## CREATED VIRTUAL NETWORK:

```
-rw-r--r-- 1 root root 2459 Aug 25 10:06 privates.pem
azureuser@public:~$ sudo chmod 400 privates.pem
azureuser@public:~$ sudo ssh -i privates.pem azureuser@10.0.1.4
The authenticity of host '10.0.1.4 (10.0.1.4)' can't be established.
ED25519 key fingerprint is SHA256:fRd+fYxiIHYz56UYhgJd/f+kottEDHTrg98bCg7CZ1A.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.1.4' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.11.0-1018-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

System information as of Mon Aug 25 10:08:54 UTC 2025

System load:  0.15          Processes:      112
Usage of /:   5.6% of 28.0GB Users logged in:  0
Memory usage: 27%          IPv4 address for eth0: 10.0.1.4
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

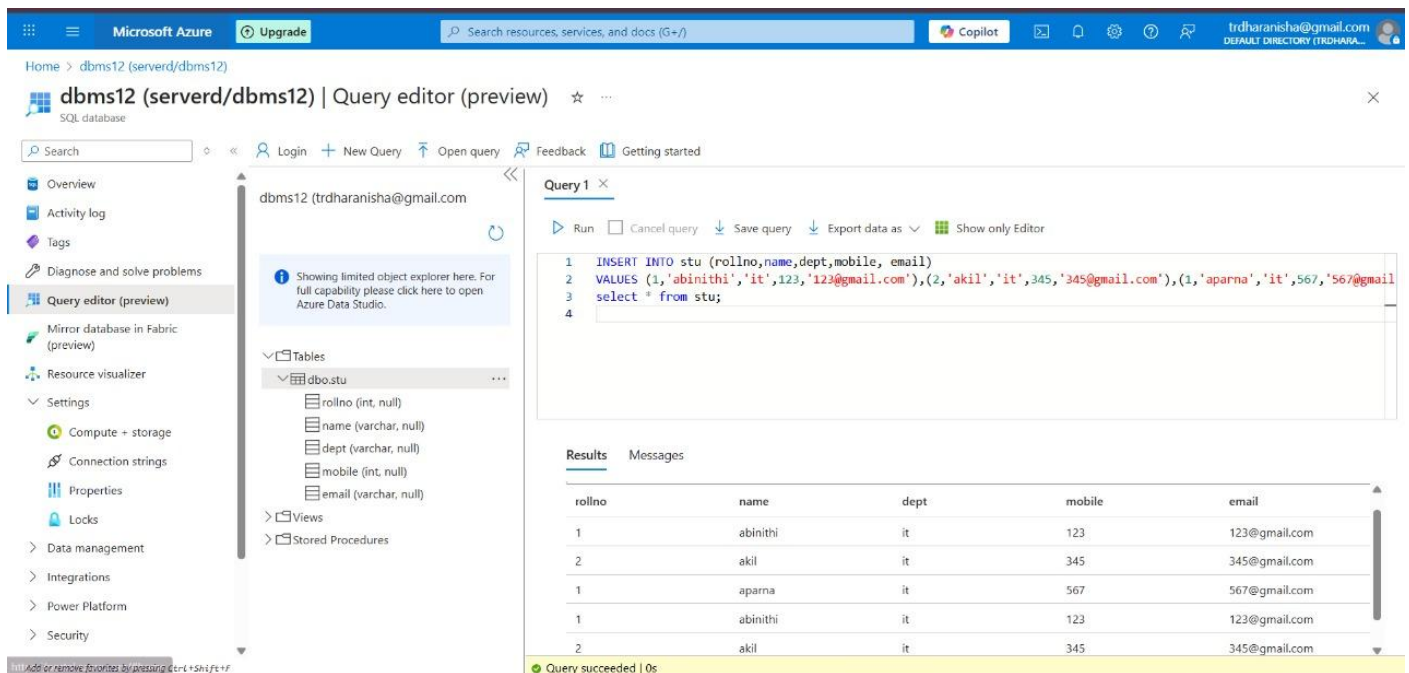
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@private:~$ |
```

## CREATED SQL DATABASE:



dbms12 (server/dbms12) | Query editor (preview)

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables

- dbo.stu
  - rollno (int, null)
  - name (varchar, null)
  - dept (varchar, null)
  - mobile (int, null)
  - email (varchar, null)

Views

Stored Procedures

Query 1

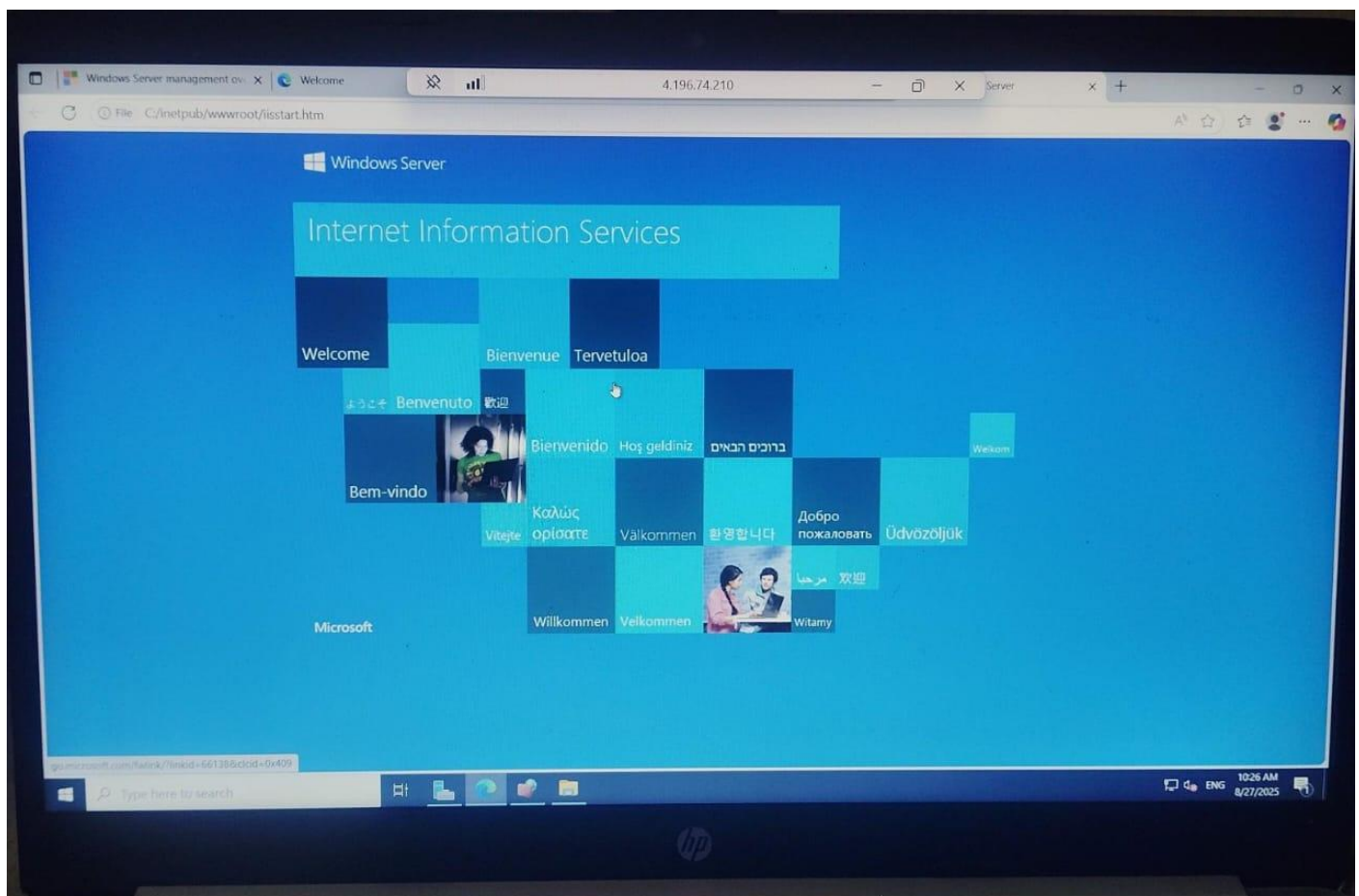
```
1 INSERT INTO stu (rollno,name,dept,mobile, email)
2 VALUES (1,'abinithi','it',123,'123@gmail.com'),(2,'akil','it',345,'345@gmail.com'),(3,'aparna','it',567,'567@gmail.com')
3 select * from stu;
4
```

Results Messages

rollno	name	dept	mobile	email
1	abinithi	it	123	123@gmail.com
2	akil	it	345	345@gmail.com
1	aparna	it	567	567@gmail.com
1	abinithi	it	123	123@gmail.com
2	akil	it	345	345@gmail.com

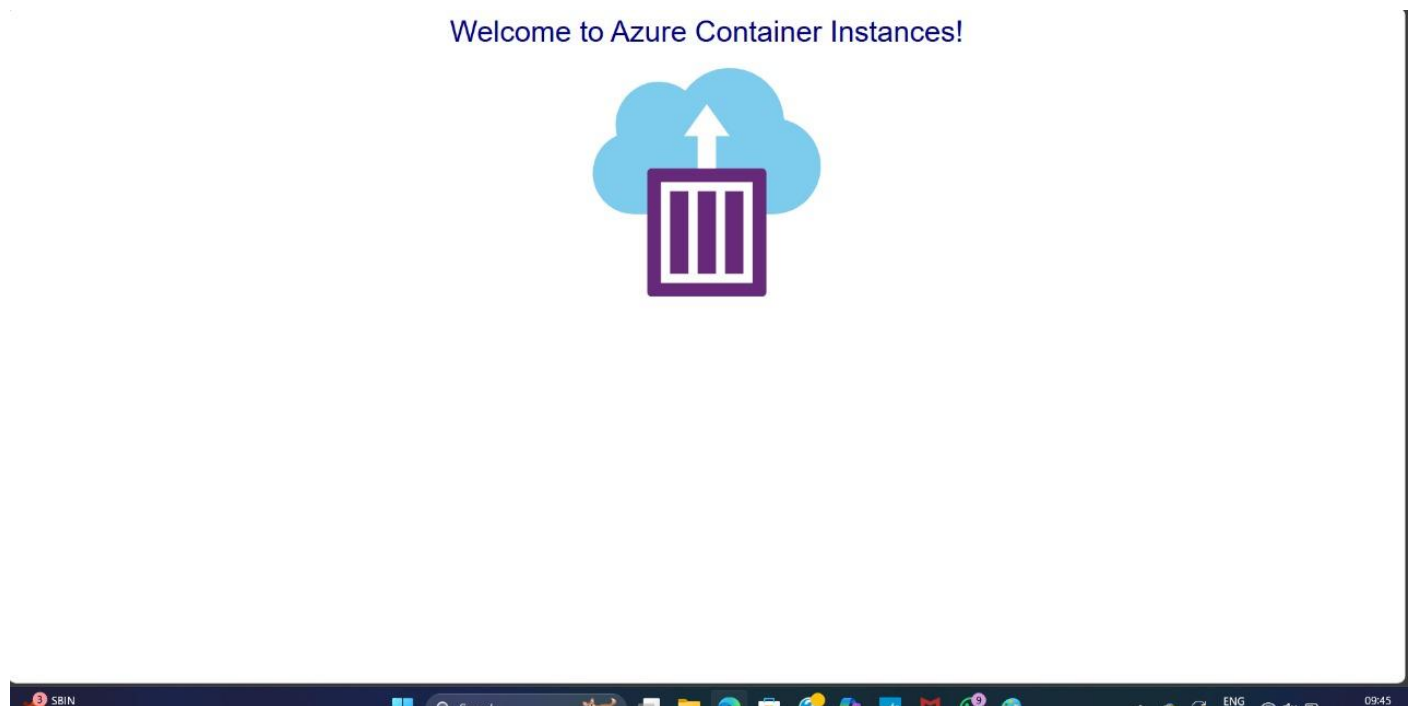
Query succeeded | 0s

## VM WITH IIS CREATED:





## CREATED CONTAINER INSTANCES:



## STATIC WEB PAGE WITH GITHUB REPOSITORY:

