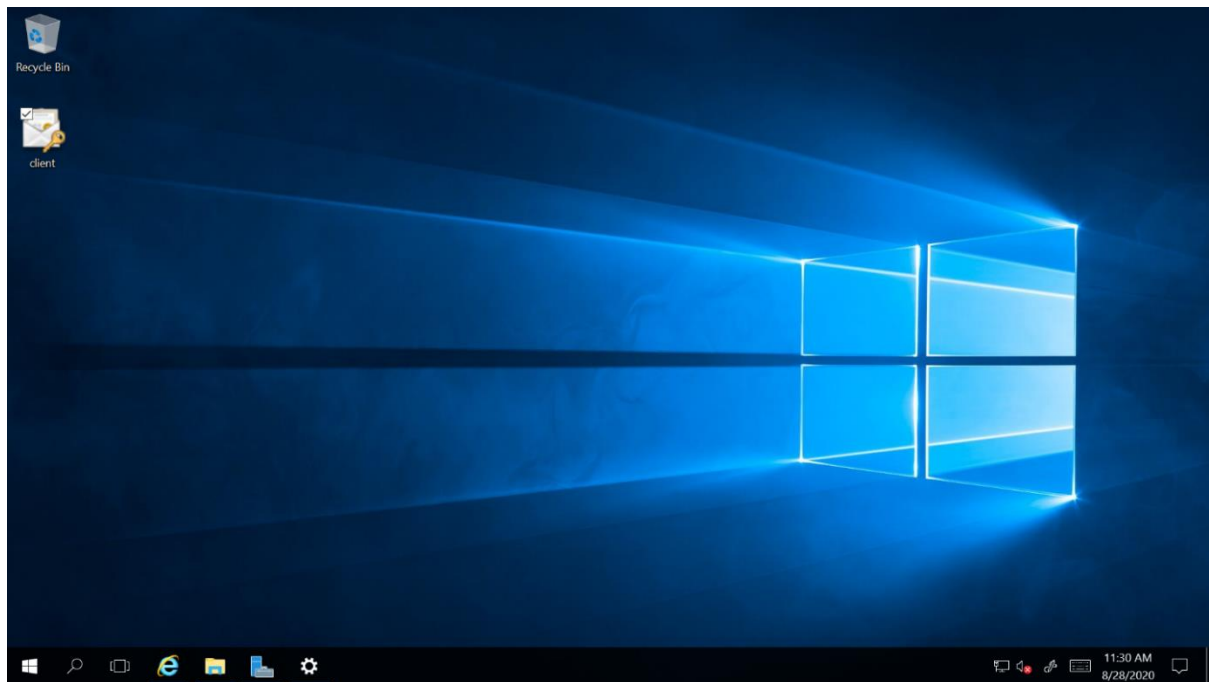
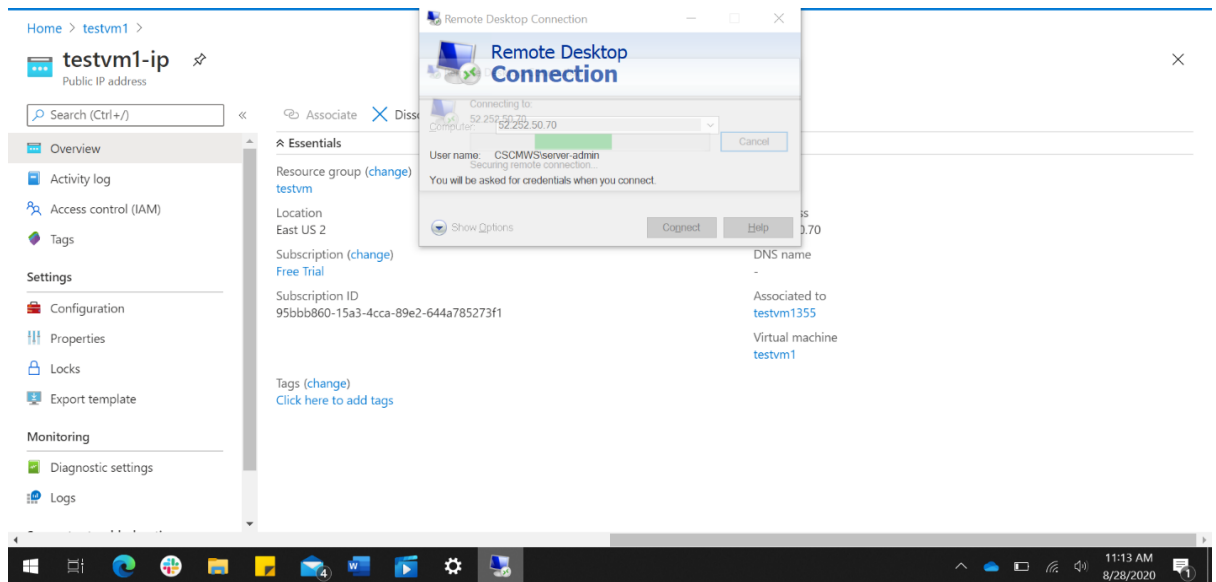


1.Create a P-T-S VPN and attach a VM to it

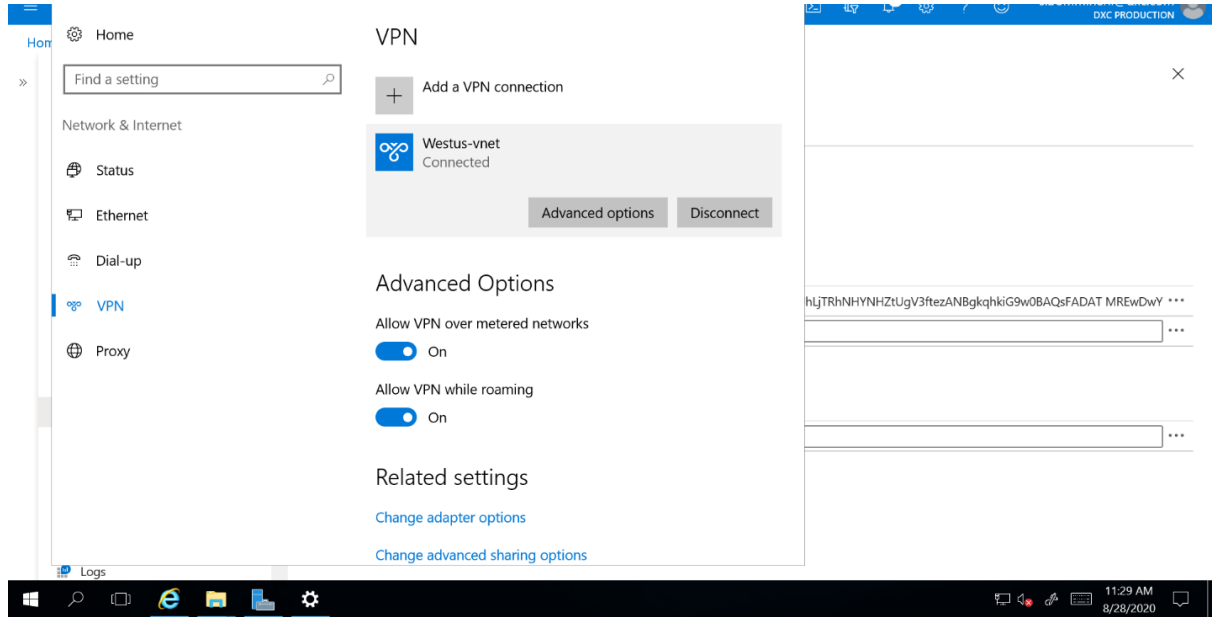
To create a point to site VPN connection we need to create a Virtual network Gateway.

- I have created Vnet and Virtual machine and I have created a VPN, ROOT and CLIENT certificates. I have connected to that VM and I gave CLIENT certificate to that VM.



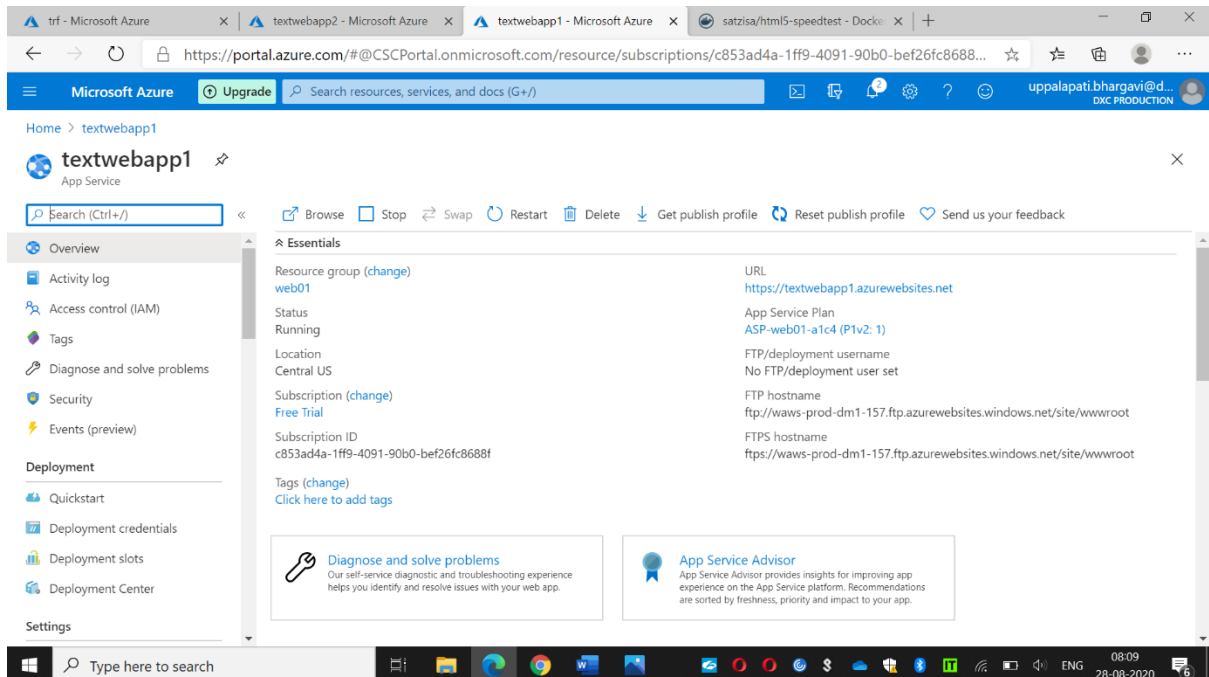
- I have downloaded VPN client in VM and connected to the VPN.

- In the local host we connect the vpn client.



2.create a two web application in west us and central Us then attach to the traffic manager with Priority routing method

- We have to create Two web apps one is textwebapp1 and another one is textwebapp2.



Here, textwebapp1 is located in central us location and textwebapp2 is located in westus location.

Home > Microsoft.Web-WebApp-Portal-3a06da43-8224 > textwebapp2

textwebapp2

App Service

Search (Ctrl+/)

[Browse](#)
[Stop](#)
[Swap](#)
[Restart](#)
[Delete](#)
[Get publish profile](#)
[Reset publish profile](#)
[Send us your feedback](#)

Essentials

Resource group (change)	web02	URL	https://textwebapp2.azurewebsites.net
Status	Running	App Service Plan	ASP-web02-a476 (P1v2: 1)
Location	West US	FTP/deployment username	No FTP/deployment user set
Subscription (change)	Free Trial	FTP hostname	ftp://waws-prod-bay-139.ftp.azurewebsites.windows.net/site/wwwroot
Subscription ID	c853ad4a-1ff9-4091-90b0-bef26fc8688f	FTPS hostname	ftps://waws-prod-bay-139.ftp.azurewebsites.windows.net/site/wwwroot
Tags (change)	Click here to add tags		

Diagnose and solve problems
Our self-service diagnostic and troubleshooting experience helps you identify and resolve issues with your web app.

App Service Advisor
App Service Advisor provides insights for improving app experience on the App Service platform. Recommendations are sorted by freshness, priority and impact to your app.

Settings

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Security
- Events (preview)
- Deployment
 - Quickstart
 - Deployment credentials
 - Deployment slots
 - Deployment Center

- To do the **priority routing** method we need a traffic manager profile.
- So, create a traffic manager profile.
- And then two webapps are attached to traffic manager with priority routing method.

Home > trf

trf | Endpoints

Traffic Manager profile

Search (Ctrl+/)

[Add](#)
[Refresh](#)

Search endpoints

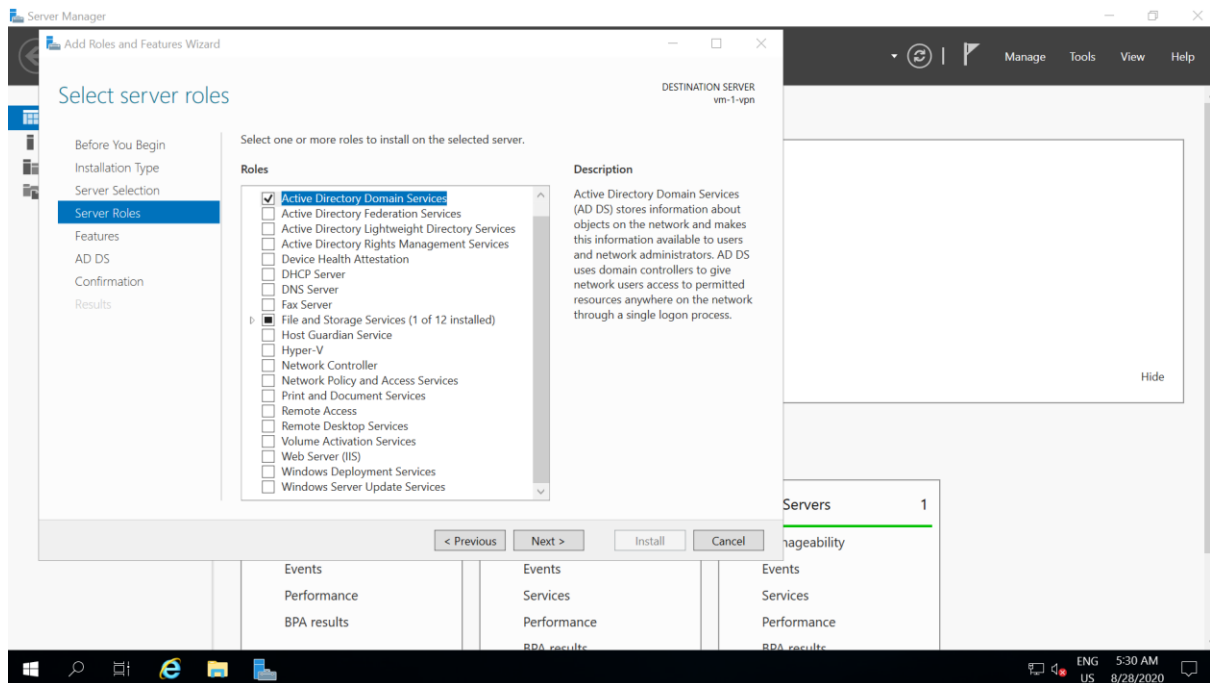
Name ↑↓	Status ↑↓	Monitor status ↑↓	Type ↑↓	Priority ↑↓	
app1	Enabled	Checking endpoint	Azure endpoint	1	...
app2	Enabled	Checking endpoint	Azure endpoint	2	...

Settings

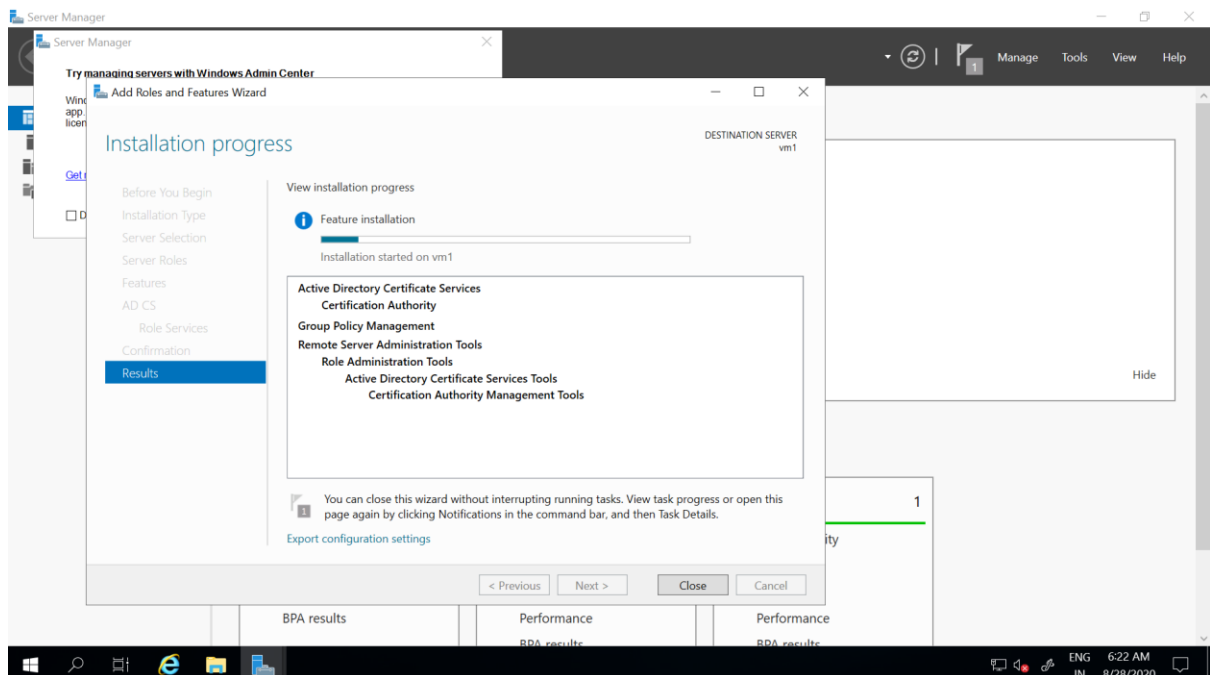
- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Settings
 - Configuration
 - Real user measurements
 - Traffic view
 - Endpoints
 - Properties
 - Locks
 - Export template

3.create a windows server with AD installed and integrate with Azure AD

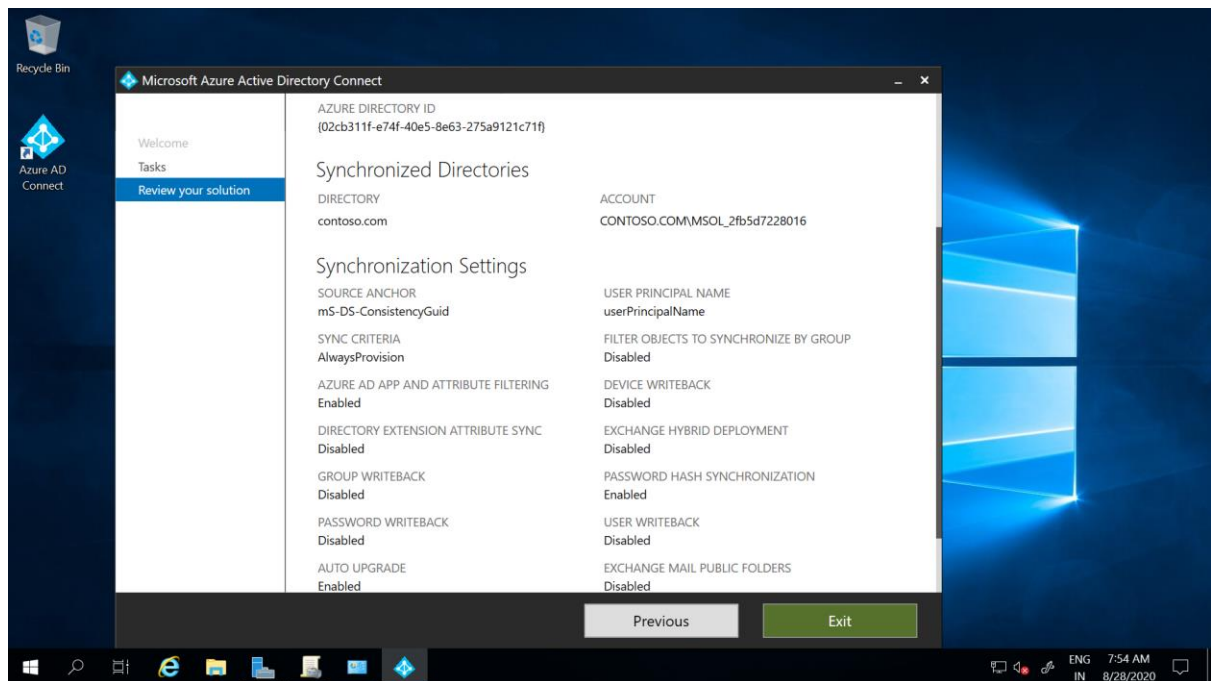
- An Active Directory (AD) Role is Assigned to a Server and it access to the on premises networks



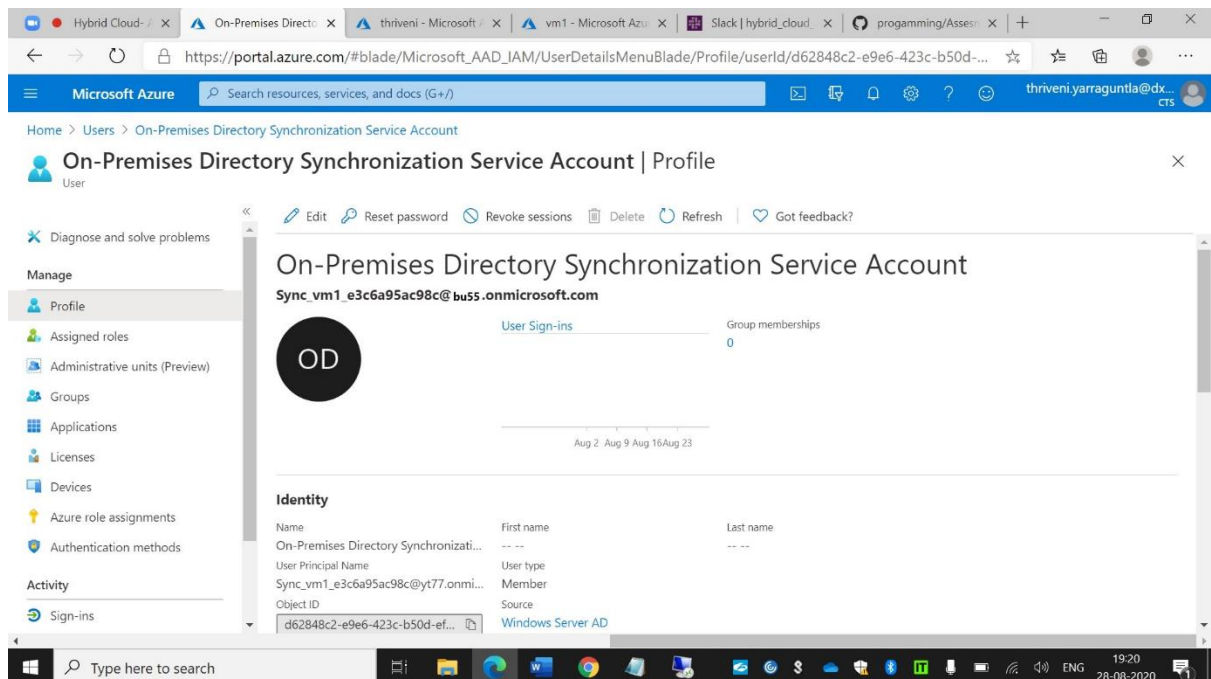
- I am Installing the Active Directory services in that Server



- Shown below the Azure AD Connect

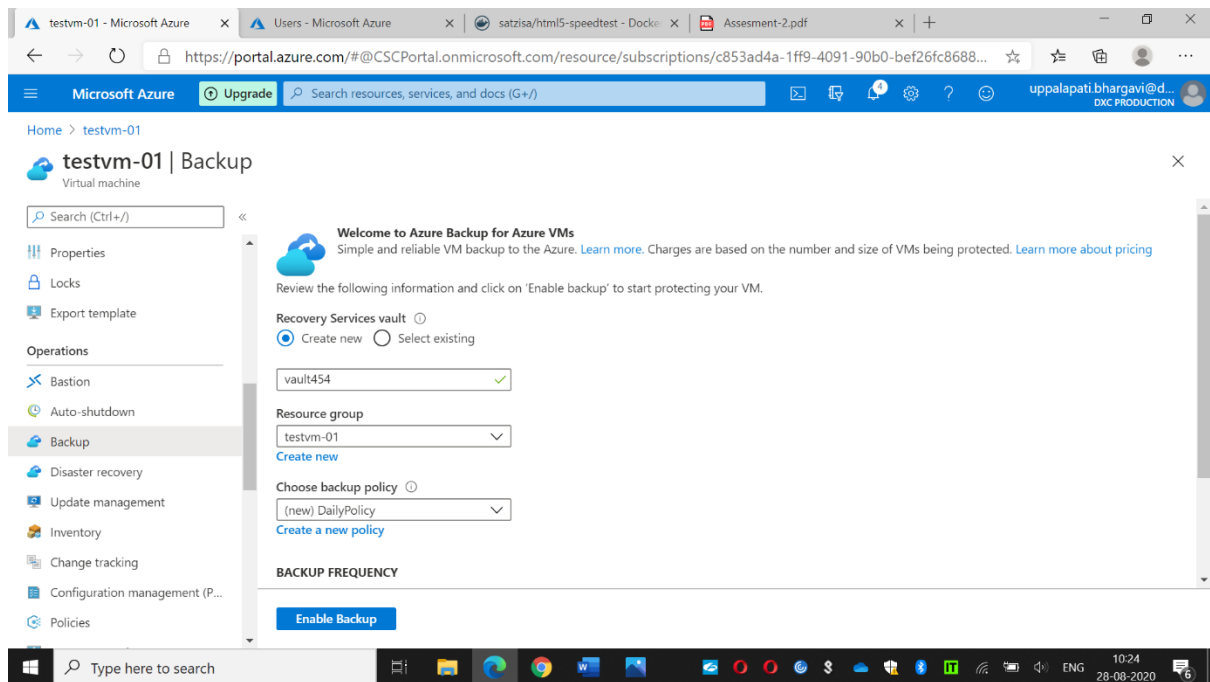


- On premises Active Directory is synced to Azure Active Directory

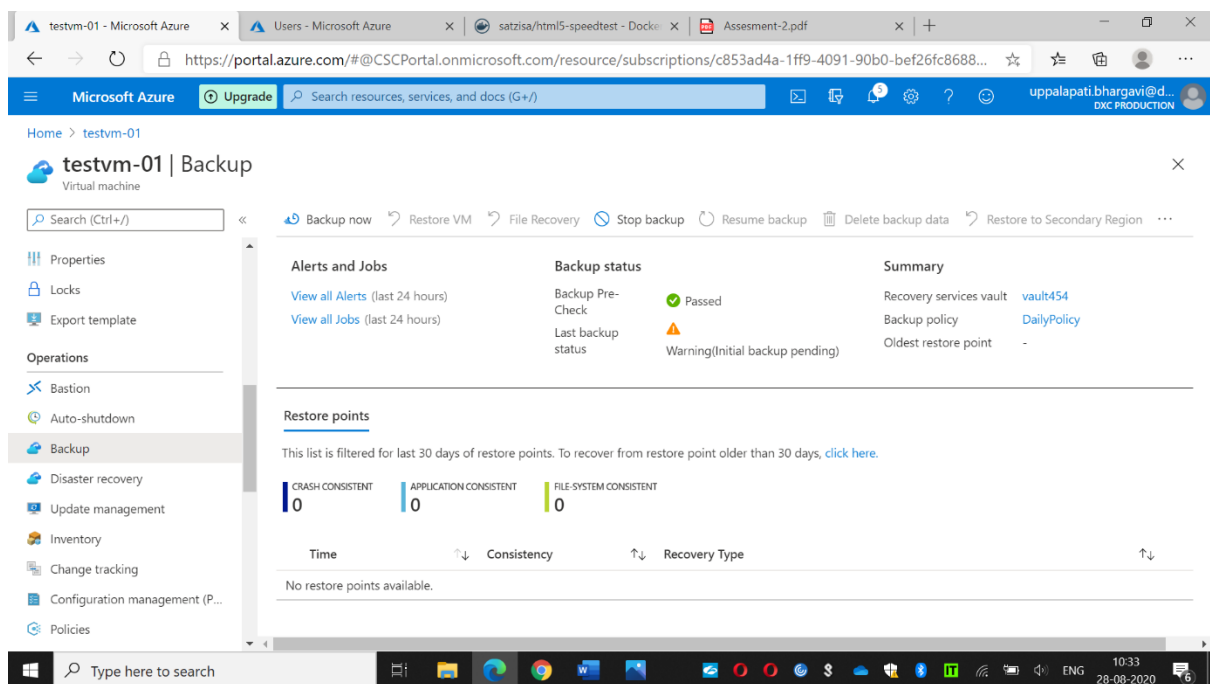


4.configure a backup to the VM you installed AD

- To configure a backup to the vm



- This is a Backup configured in vault



5.configure alerts for the VM:

- In a Virtual machine we configure the alerts.

Create alert rule - Microsoft Azure

https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688...

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

Home > testvm-01 >

Create alert rule

Rules management

Select action group

Alert rule details

Provide details on your alert rule so that you can identify and manage it later.

Alert rule name *

Description

Save alert rule to resource group *

Severity *

Enable alert rule upon creation ☒

Create alert rule

- In a virtual machine we created an alert rule.
- Here the Alert is created for **inbound Traffic flows** for the vm

Create alert rule - Microsoft Azure

https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688...

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

Home > testvm-01 >

Create alert rule

Rules management

Create an alert rule to identify and address issues when important conditions are found in your monitoring data. [Learn more](#)

When defining the alert rule, check that your inputs do not contain any sensitive content.

Scope

Select the target resource you wish to monitor.

Resource

testvm-01

Edit resource

Hierarchy

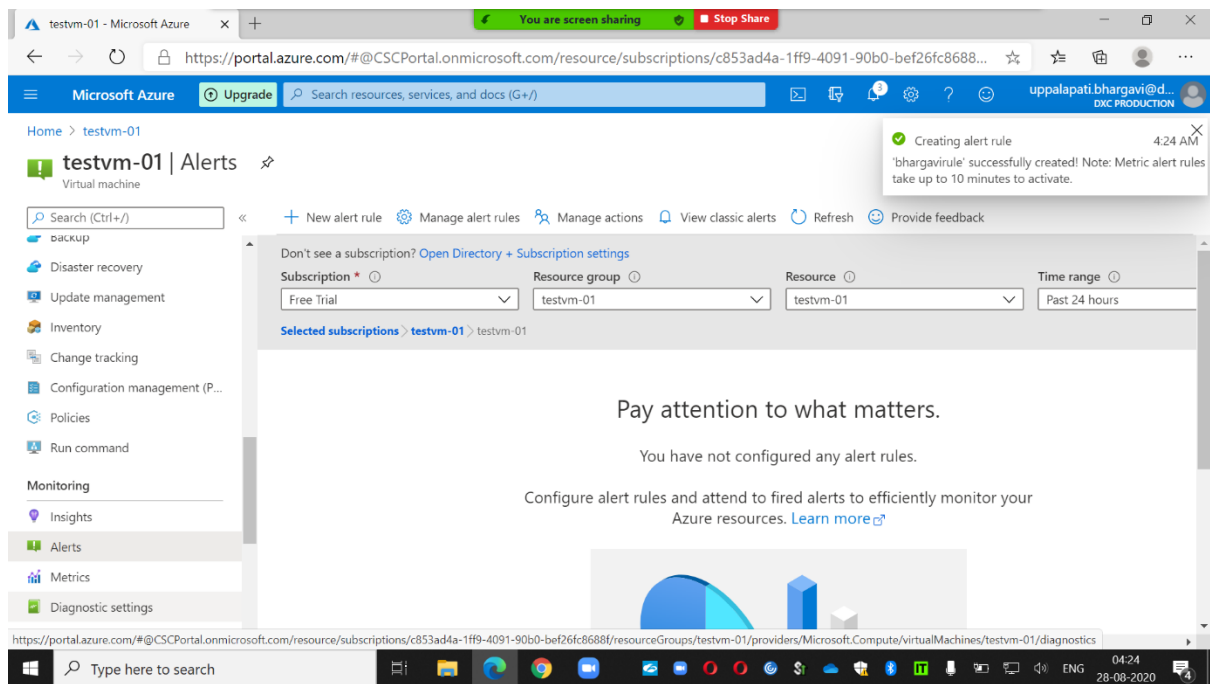
Free Trial > testvm-01

Condition

Configure when the alert rule should trigger by selecting a signal and defining its logic.

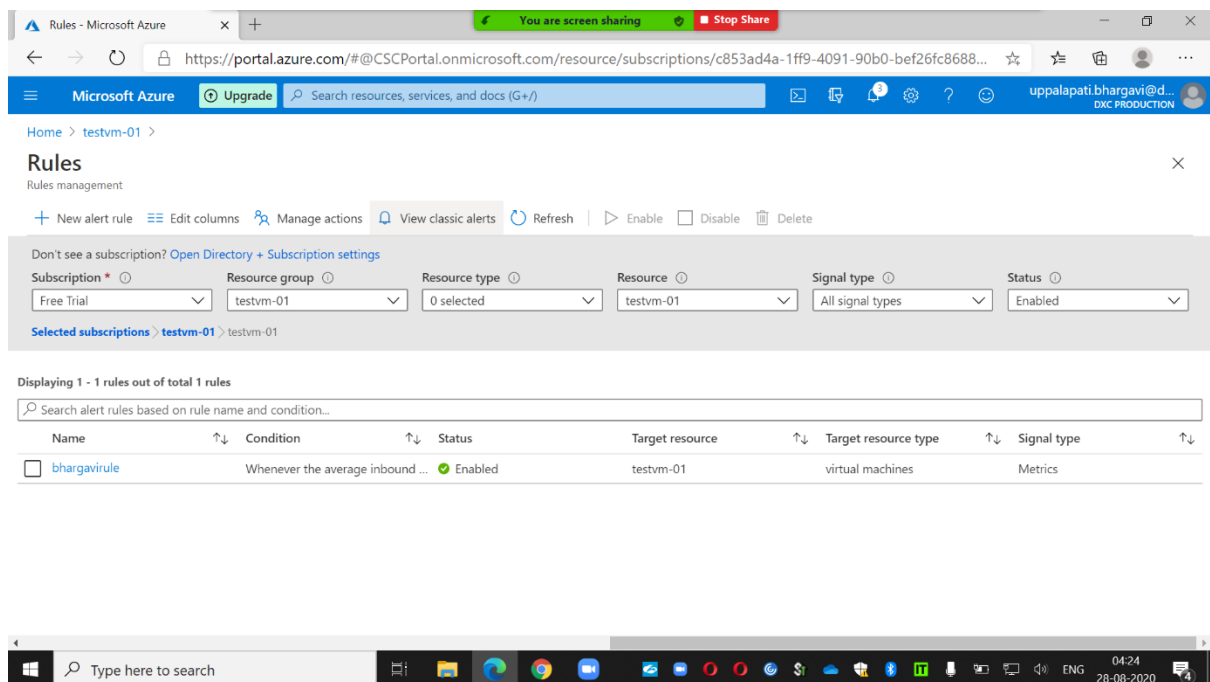
Condition name	Time series monitored	Estimated monthly cost (USD)
Whenever the average inbound flows is greater than 1 count	1	\$ 0.10

Create alert rule



Here shown that , successfully created the alert rule in the vm.

And we can show that alert rule.



6. Apply any security policy to the subscription

- To apply the security policy we need to access the **security center** in azure .
- it specifies the subscription and A custom Initiative is to be added to that one.

To Creating a initiative definition:

Initiative definition - Microsoft Azure | Home - Microsoft Azure | satzisa/html5-speedtest - Docker | +

https://portal.azure.com/#blade/Microsoft_Azure_Security/SecurityMenuBlade/1

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

Home > Security Center > Security policy > Add custom initiatives >

Initiative definition

New Initiative definition

Name *

Description

Category ☐ Create new ☒ Use existing

Initiative parameters

Parameter name	Display name	Type	Allowed values
----------------	--------------	------	----------------

Save Cancel

AVAILABLE DEFINITIONS

Type: All types Search: Filter by name ...

Policy Definitions (457)

- Audit virtual machines without disaster recovery configured**
Built-in
Audit virtual machines which do not have disaster recovery configured. To learn more about disaster recovery, visit <https://aka.ms/asr-doc>.
- Azure Backup should be enabled for Virtual Machines**
Built-in
This policy helps audit if Azure Backup service is enabled for all Virtual machines. Azure Backup is a cost-effective, one-click backup solution simplifies data recovery and is easier to enable than other cloud backup services.
- Show audit results from Windows VMs on which the remote host connection status

Windows Taskbar: Type here to search | 08:32 28-08-2020

➤ To Add a custom Initiative:

Initiative definition - Microsoft Azure | Home - Microsoft Azure | satzisa/html5-speedtest - Docker | +

https://portal.azure.com/#blade/Microsoft_Azure_Security/SecurityMenuBlade/1

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

Home > Security Center > Security policy > Add custom initiatives >

Initiative definition

New Initiative definition

Name *

Description

Category ☐ Create new ☒ Use existing

Initiative parameters

Parameter name	Display name	Type	Allowed values
----------------	--------------	------	----------------

Save Cancel

AVAILABLE DEFINITIONS

Type: All types Search: Filter by name ...

Policy Definitions (457)

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This policy helps audit if Azure Backup service is enabled for all Virtual machines. Azure Backup is a cost-effective, one-click backup solution simplifies data recovery and is easier to enable than other cloud backup services.
- Show audit results from Windows VMs on which the remote host connection status

Windows Taskbar: Type here to search | 08:32 28-08-2020

Microsoft Azure portal interface showing the 'Add custom initiatives' page. The page includes a search bar, a 'Create new' button, and instructions on how to add a new custom policy initiative. A table lists existing initiatives, including 'recovery' with a status of 'Not assigned'.

Name	Description	Status
recovery	Backing up	Not assigned

➤ Security policy is Attached to the Subscription:

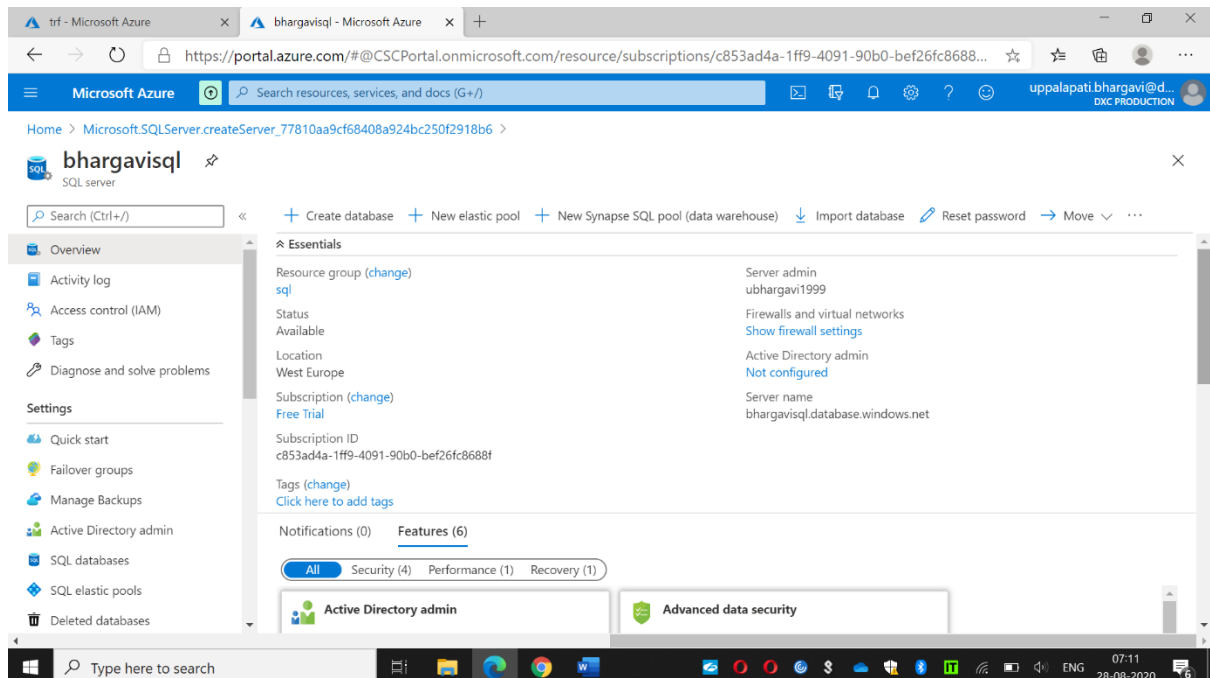
Microsoft Azure portal interface showing the 'Security policy' page. The page displays a notification about new content for the Azure CIS standard. Below this, there are sections for 'SOC TSP' and 'Your custom initiatives'. The 'Your custom initiatives' section shows a table with one entry, 'recovery', and a 'Delete' button.

Name	Description
recovery	Backing up

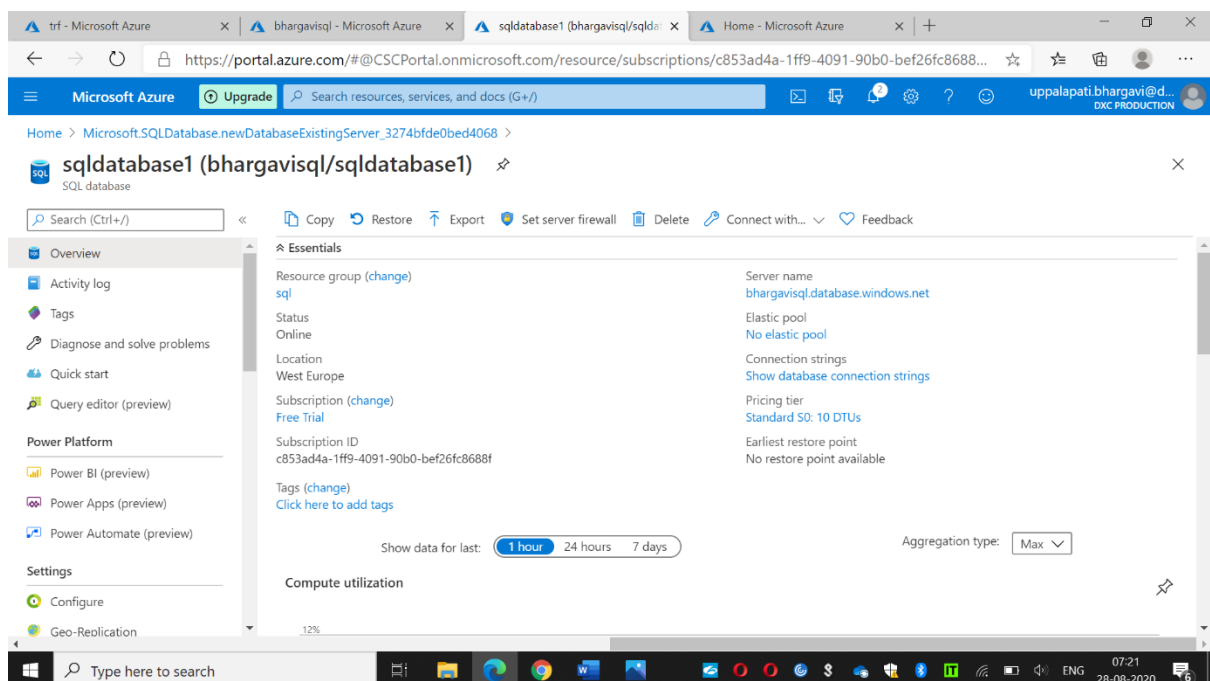
7.create a SQL server with database installed in the elastic pool

SQL Server Database

- In order to create a SQL database before that we need to create a SQL Server up and running.



- Once the SQL Server is created we can create SQL Database in the server



trf - Microsoft Azure x bhargavisql - Microsoft Azure x sqldatabase1 (bhargavisql/sqld... x Home - Microsoft Azure x +

https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688...

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

Home > Microsoft.SqlServer.createServer_77810aa9cf68408a924bc250f2918b6 > bhargavisql

bhargavisql | SQL databases

SQL server

Search (Ctrl+/) Search to filter databases...

Database	Status	Pricing tier
sqldatabase1	Online	Standard SQ: 10 DTUs

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

Settings
Quick start
Failover groups
Manage Backups
Active Directory admin
SQL databases
SQL elastic pools
Deleted databases

Type here to search

07:21
28-08-2020

Once the data base is created after that we have to create elastic pool

trf - Microsoft Azure x bhargavisql - Microsoft Azure x sqldatabase1 (bhargavisql/sqld... x pool1 (bhargavisql/pool1) - Micro x +

https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688...

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

Home >

pool1 (bhargavisql/pool1)

SQL elastic pool

Search (Ctrl+/) Configure Delete + Create job Manage jobs + Create database Feedback

Overview

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

Settings
Quick start
Configure
Locks
Export template

Monitoring
Database Resource Utilization
Alerts

Essentials

Resource group (change)
sql

Status
Ready

Location
West Europe

Subscription (change)
Free Trial

Subscription ID
c853ad4a-1ff9-4091-90b0-bef26fc8688f

Tags (change)
Click here to add tags

Server name
bhargavisql.database.windows.net

Resource configuration & pricing
Standard: 100 eDTUs

Elastic databases
0 databases

Elastic database settings
0-100 eDTUs

Show data for last: 1 hour 24 hours 7 days

Aggregation type: Max

Resource utilization (pool1)

100%

Type here to search

07:28
28-08-2020

The screenshot displays the Microsoft Azure portal interface. The top navigation bar shows the 'Microsoft Azure' logo and a search bar. The breadcrumb trail indicates the path: Home > Microsoft SQL Server > createServer_77810aa9cf68408a924bc250f2918b6 > bhargavisql. The main content area shows the 'bhargavisql | SQL elastic pools' page. On the left, a sidebar lists navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Quick start, Failover groups, Manage Backups, Active Directory admin, SQL databases, SQL elastic pools (selected), and Deleted databases. The main panel displays a table with the following columns: Name, Pricing tier, Per DB Settings, # of DBs, Storage [%], and Unit. The table contains one entry: 'pool1' with a pricing tier of 'Standard: 100 eDTUs', 'Per DB Settings' of '0-100 eDTUs', '# of DBs' of '0', and 'Unit' of 'eDTU'. The bottom of the image shows the Windows taskbar with the search bar and several application icons.

trf - Microsoft Azure x bhargavisql - Microsoft Azure x sql database1 (bhargavisql/sql database1) - Microsoft Azure x pool1 (bhargavisql/pool1) - Microsoft Azure x

← → ↺ 🔒 https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688... ☆ ⚙️ 👤 ...

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

📧 uppalapati.bhargavi@d... DMC PRODUCTION

Home > Microsoft SQL Server > createServer_77810aa9cf68408a924bc250f2918b6 > bhargavisql

bhargavisql | SQL elastic pools SQL server

🔍 Search (Ctrl+/) <<

📄 Overview

📄 Activity log

🔑 Access control (IAM)

🏷️ Tags

🔧 Diagnose and solve problems

Settings

📄 Quick start

🔄 Failover groups

📁 Manage Backups

👤 Active Directory admin

🗄️ SQL databases

🔍 SQL elastic pools

🗑️ Deleted databases

	Name	↑↓ Pricing tier	↑↓ Per DB Settings	↑↓ # of DBs	↑↓ Storage [%]	↑↓ Unit	↑↓
🔍	pool1	Standard: 100 eDTUs	0-100 eDTUs	0		eDTU	

🔍 Type here to search

📅 07-28 28-08-2020