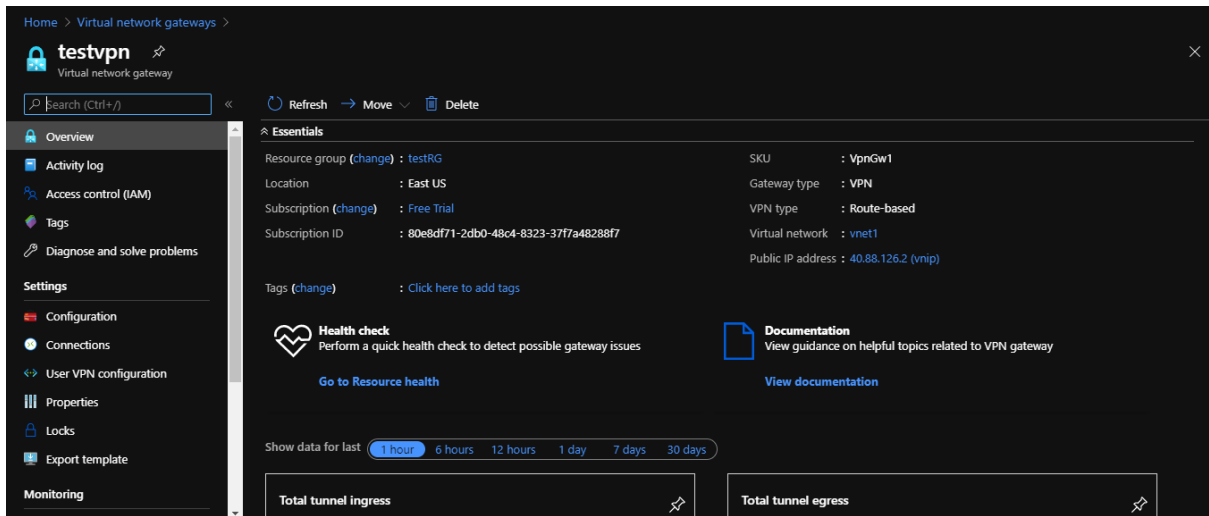
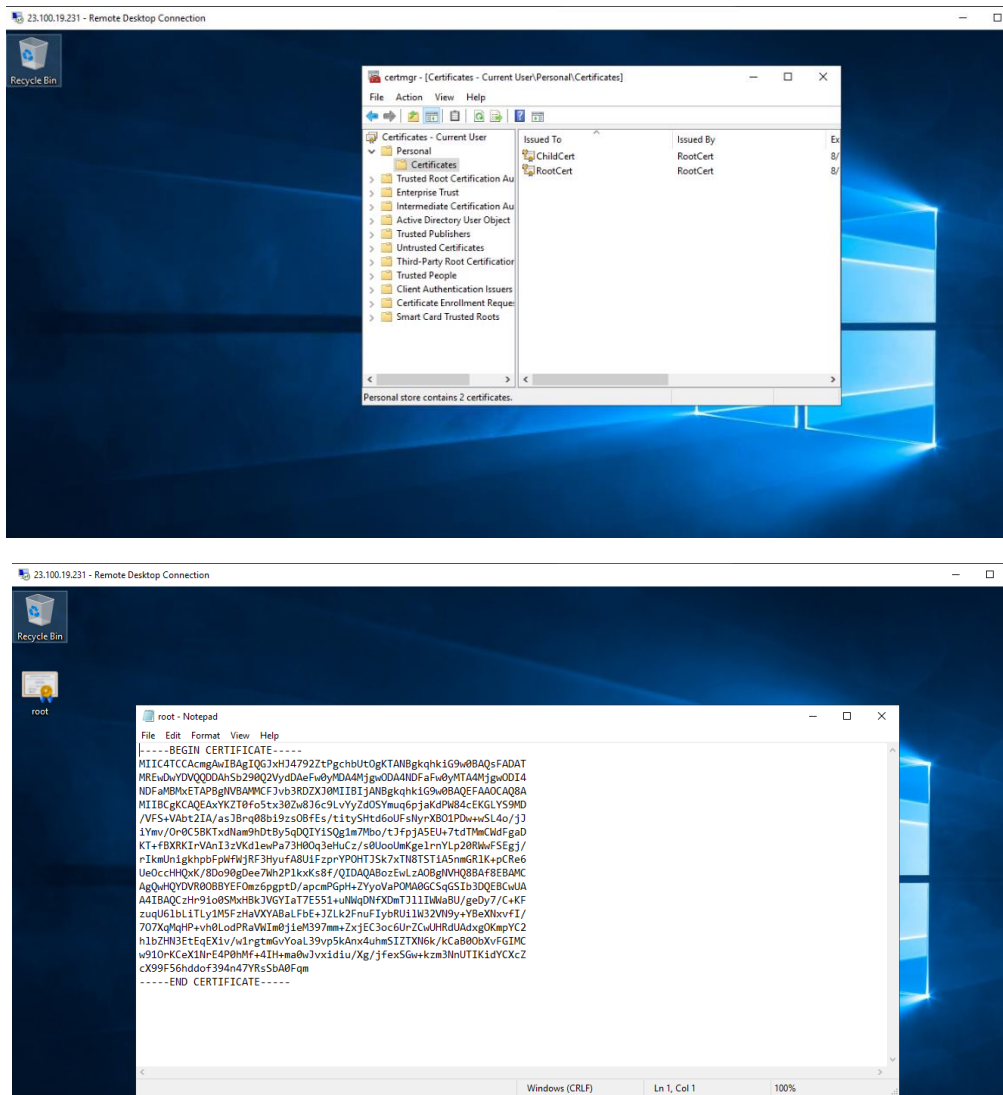


ASSESMET-2

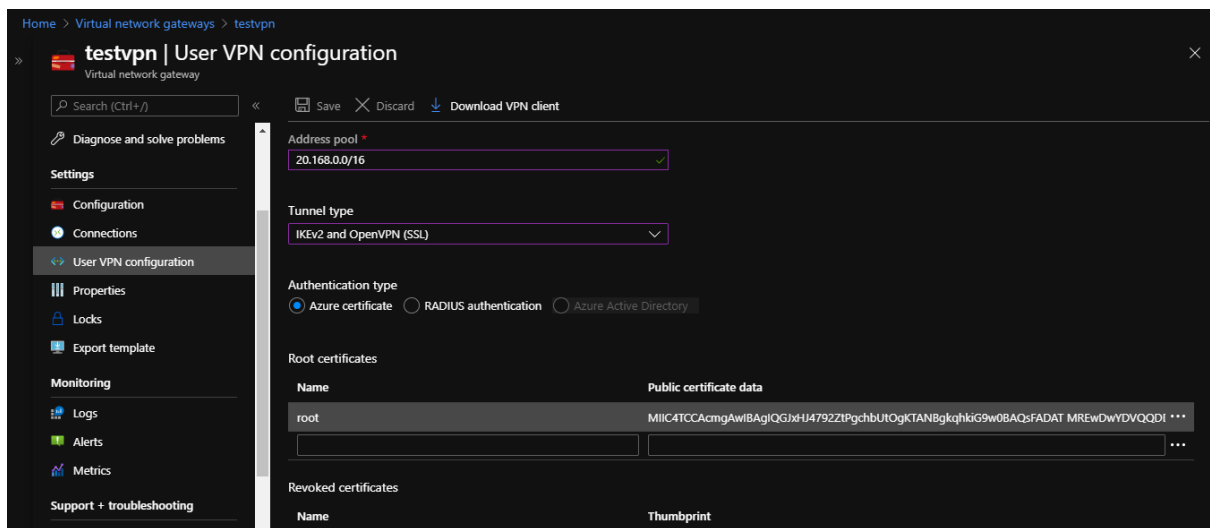
1. Create a P-T-S VPN and attach a VM to it



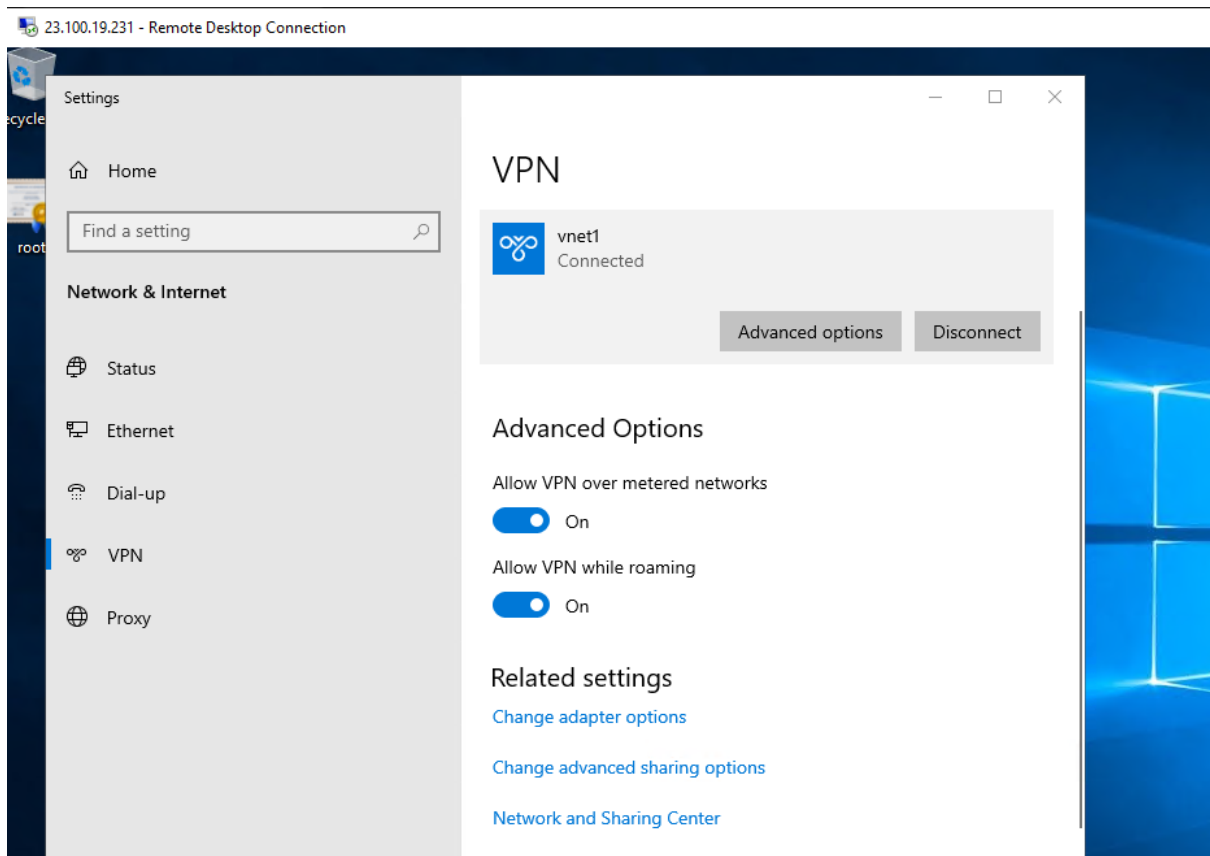
Here first I create a VPN named **testvpn** using virtual network vnet1. Then I go to user VPN configuration to configure point to site vpn. After that I create client and root certificates using power shell in one of the vm which I created in another vnet.



In the above snip I export the root certificate and copy the certificate data.

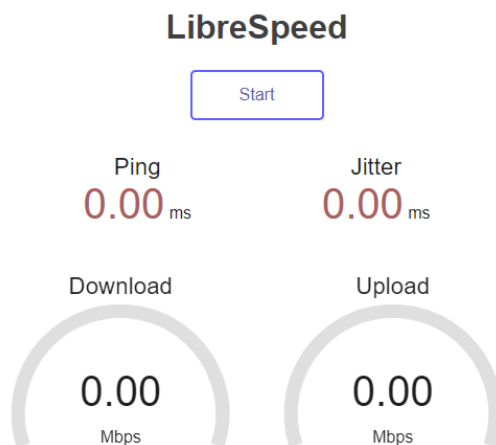
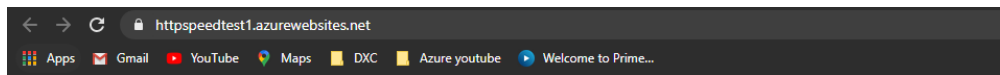
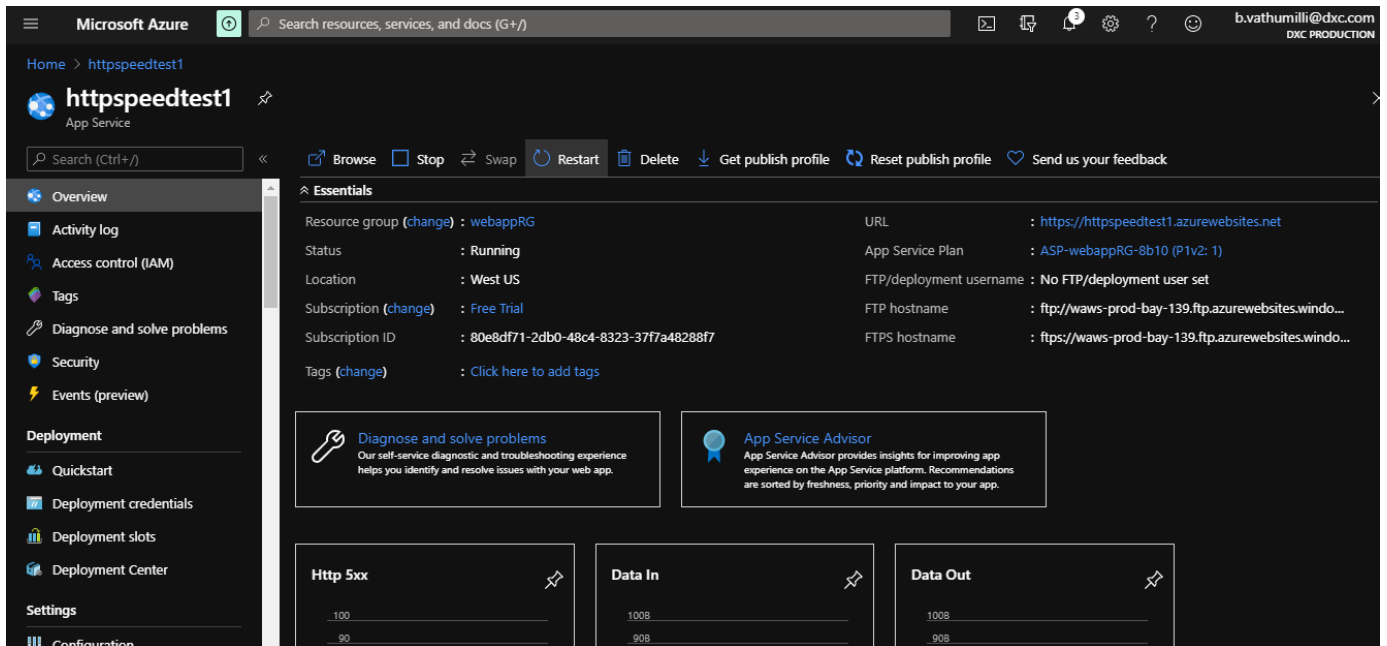


Here I gave my root certificate details and then I save it.

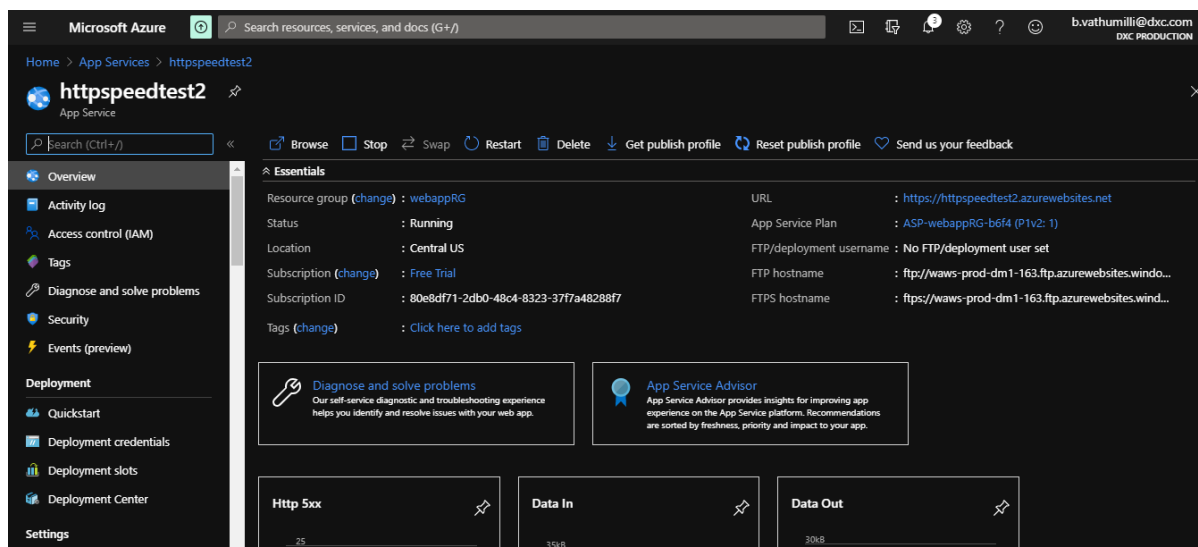


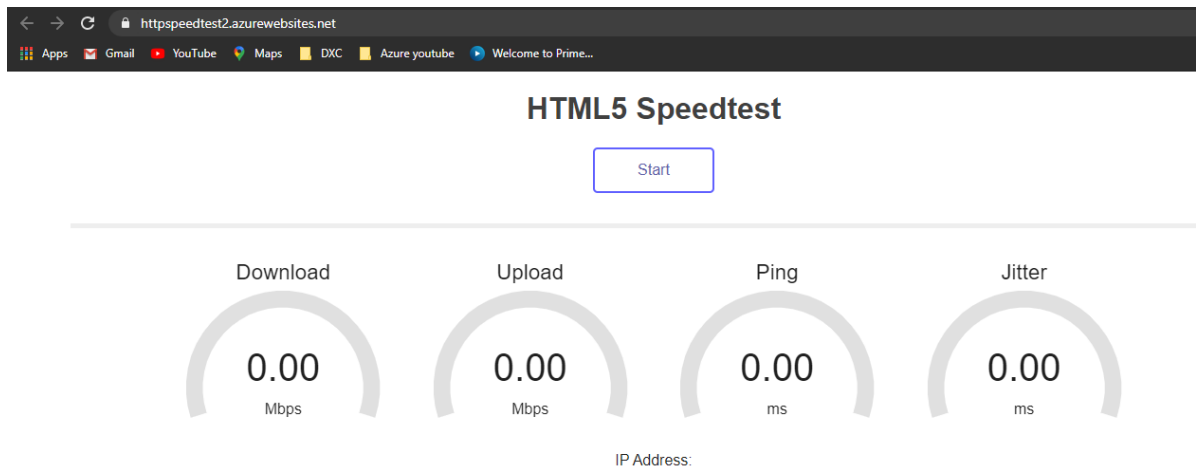
After that I install the vpn client in vm and try to connect it worked perfectly.

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

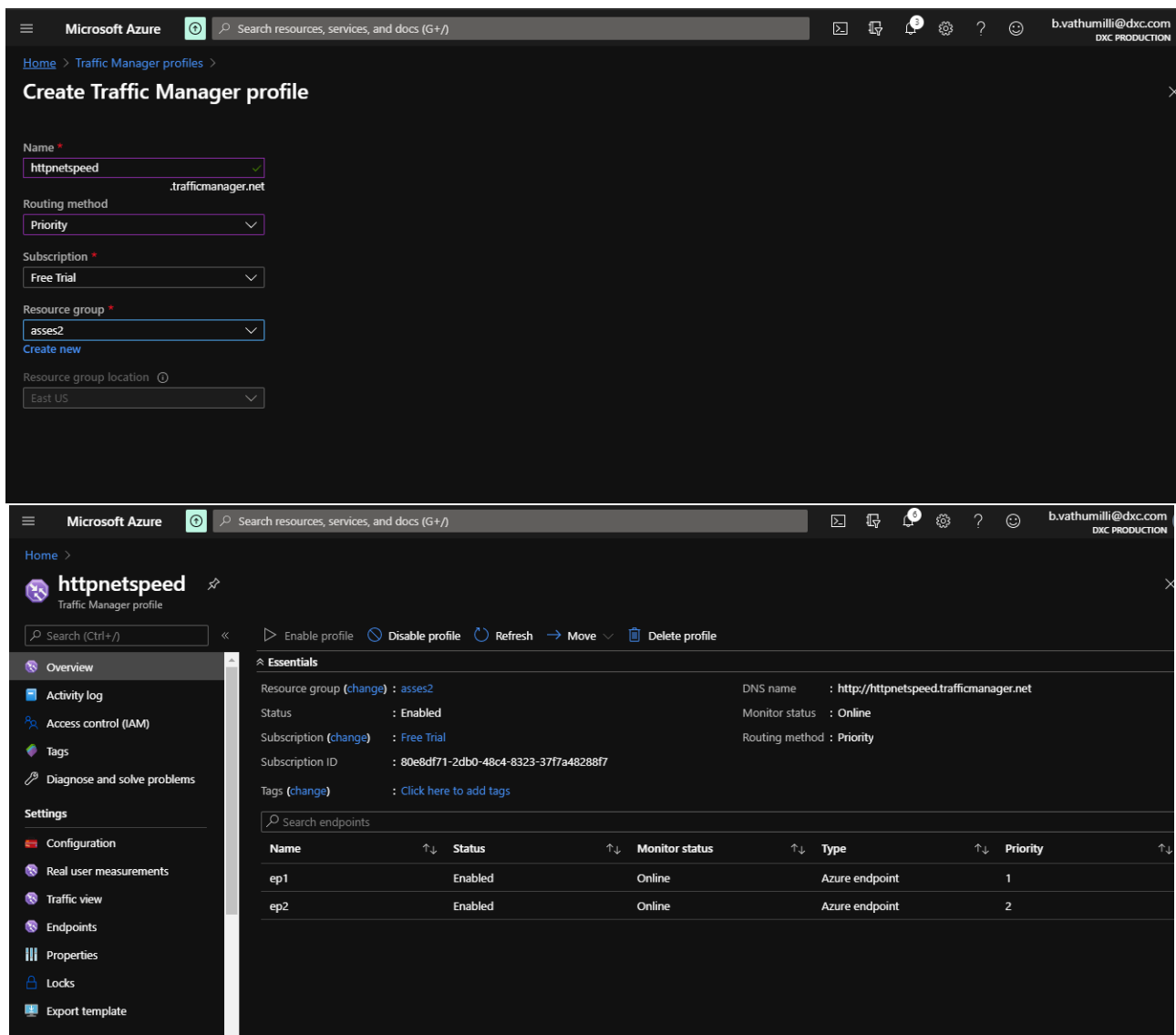


First I create a webapp named **httpspeedtest1** in westUS location using docker container.

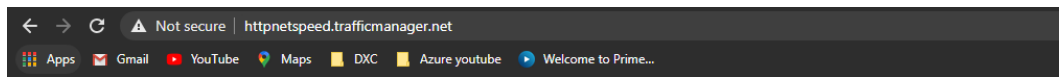




Next I create another webapp named **httpspeedtest2** in central us location using docker container.



After that I create a traffic manager profile named **httpnspspeed** and I attach my two webapps using priority routing method.



LibreSpeed

Start

Ping
0.00 ms

Jitter
0.00 ms

Download

0.00

Mbps

Upload

0.00

Mbps



HTML5 Speedtest

Start

Download

0.00

Mbps

Upload

0.00

Mbps

Ping

0.00

ms

Jitter

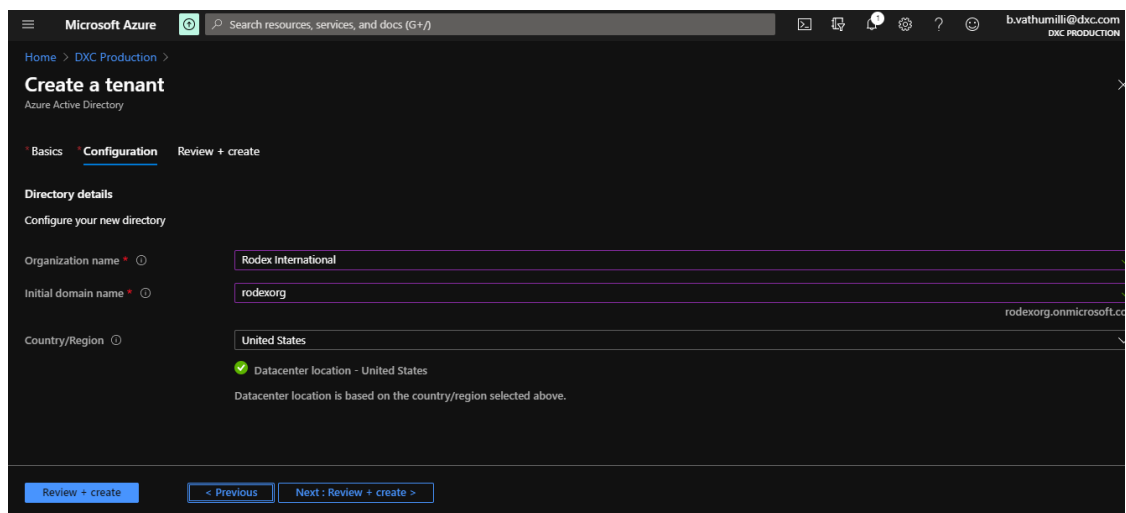
0.00

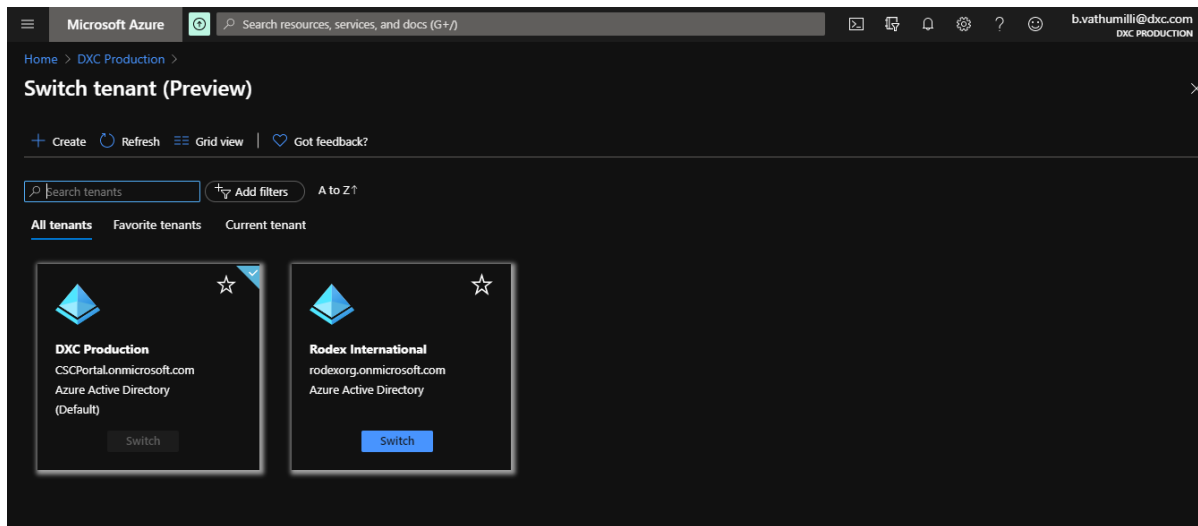
ms

IP Address:

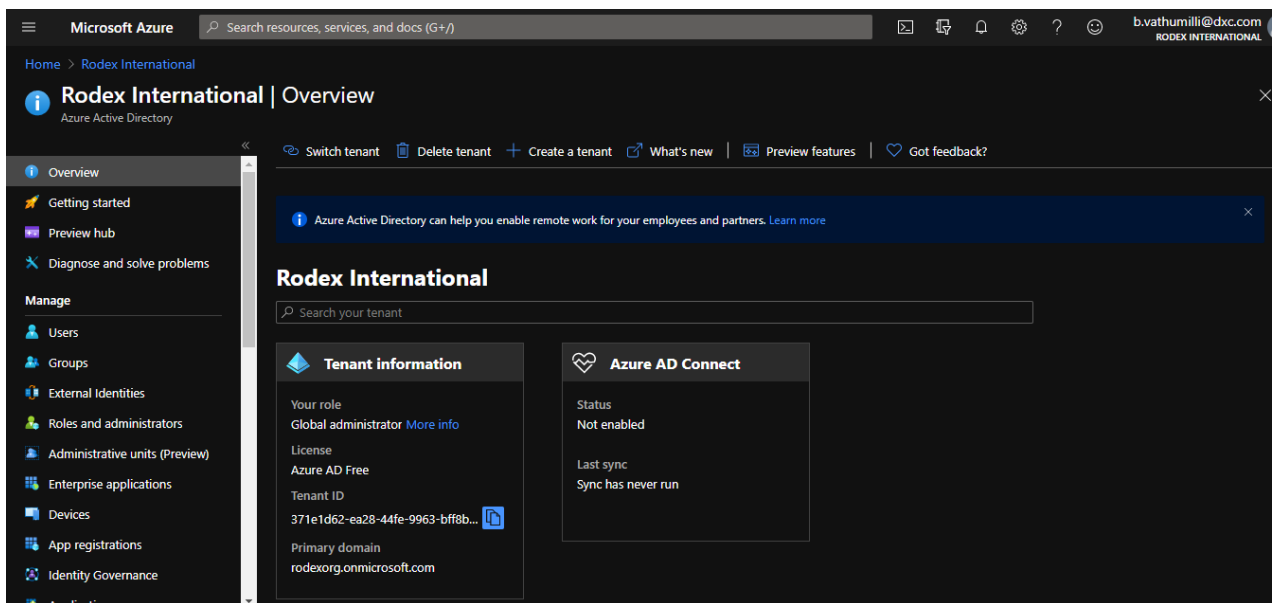
Here I just check whether the traffic manager working fine or not by accessing traffic manager url.

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

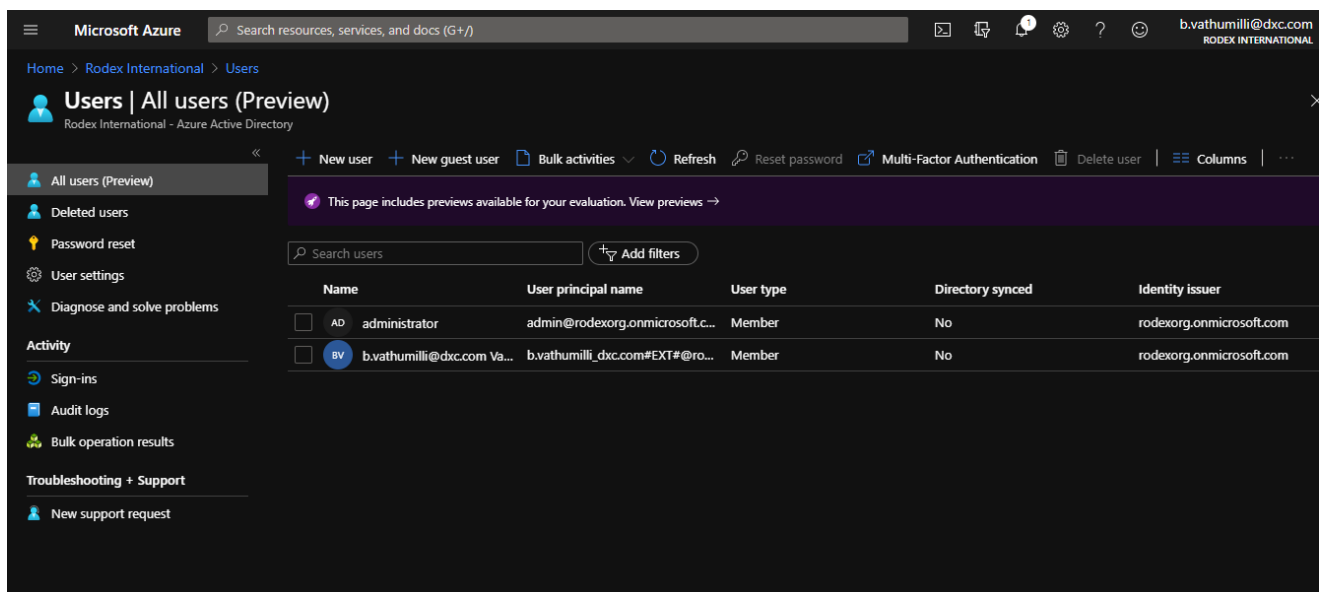


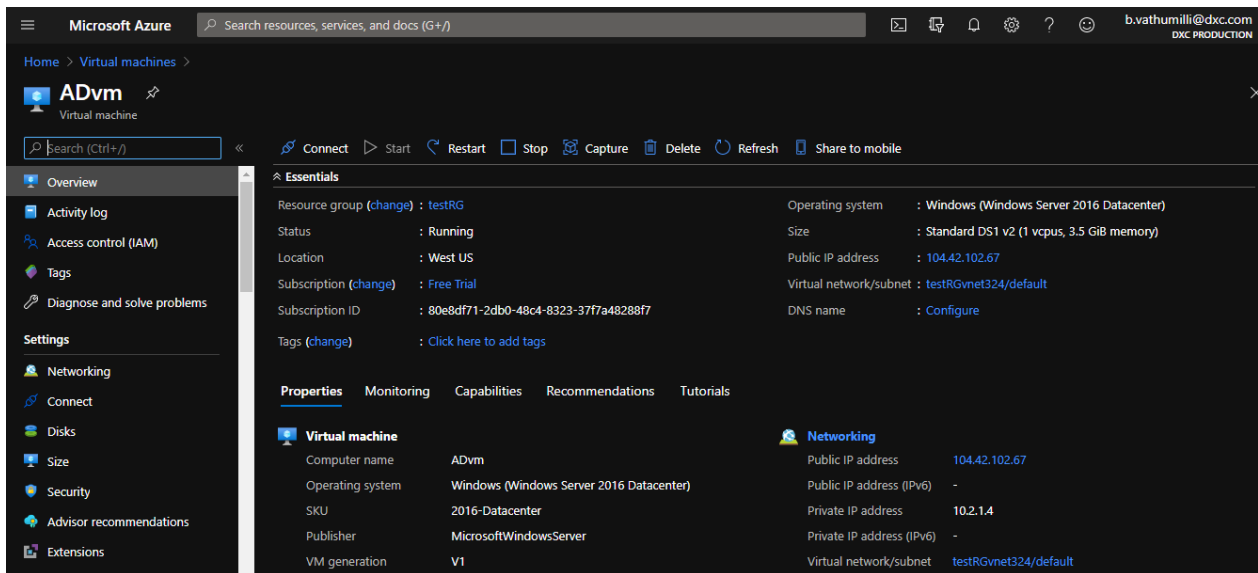


Here first I create a new tenant named **Rodex International** and I switch to that tenant from my DXC tenant.

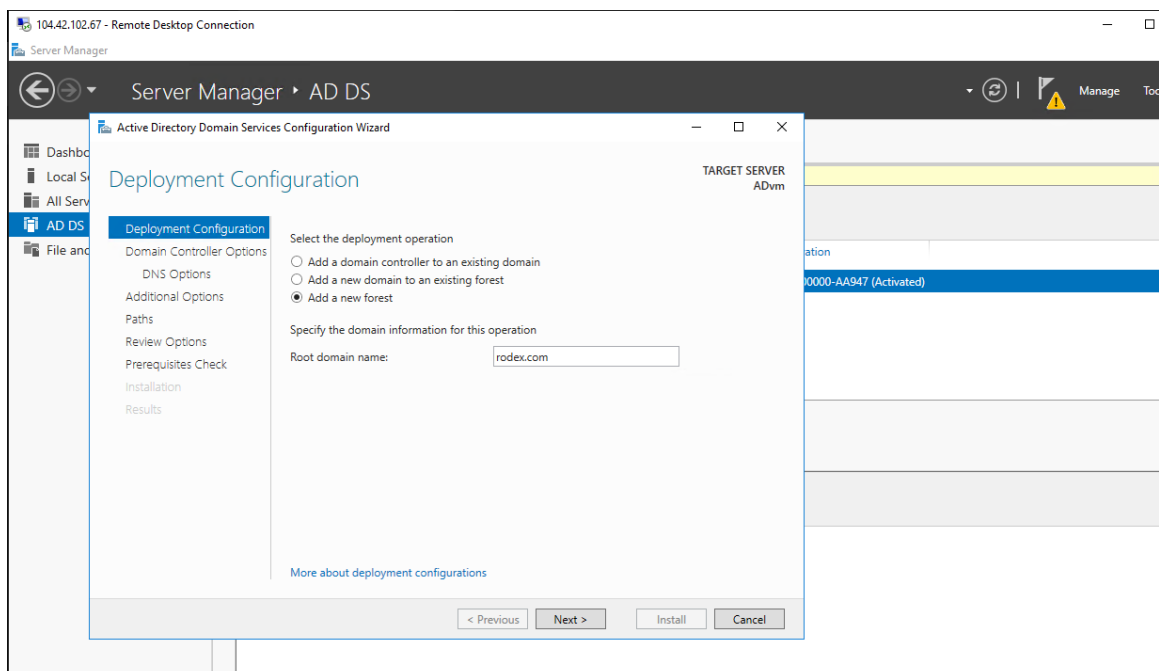
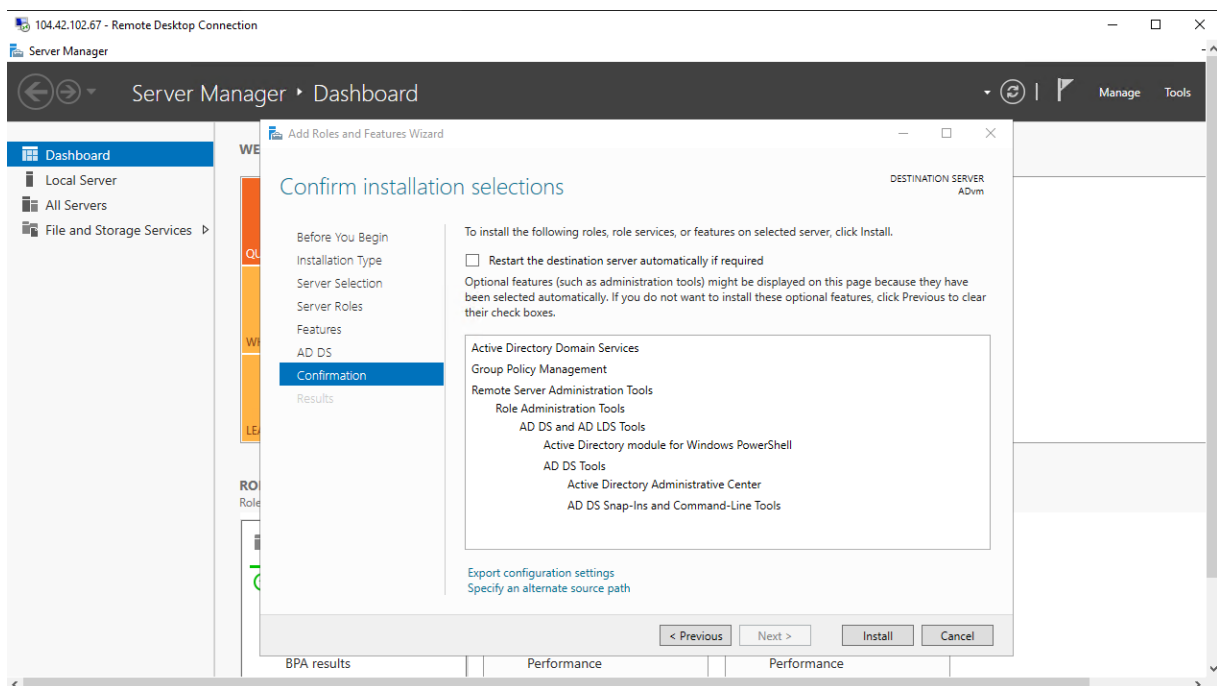


In this tenant I Integrate my vm windows Active directory server to Azure AD using Azure ad connect application for that I create a user named **administrator** with administrator control in my tenant.

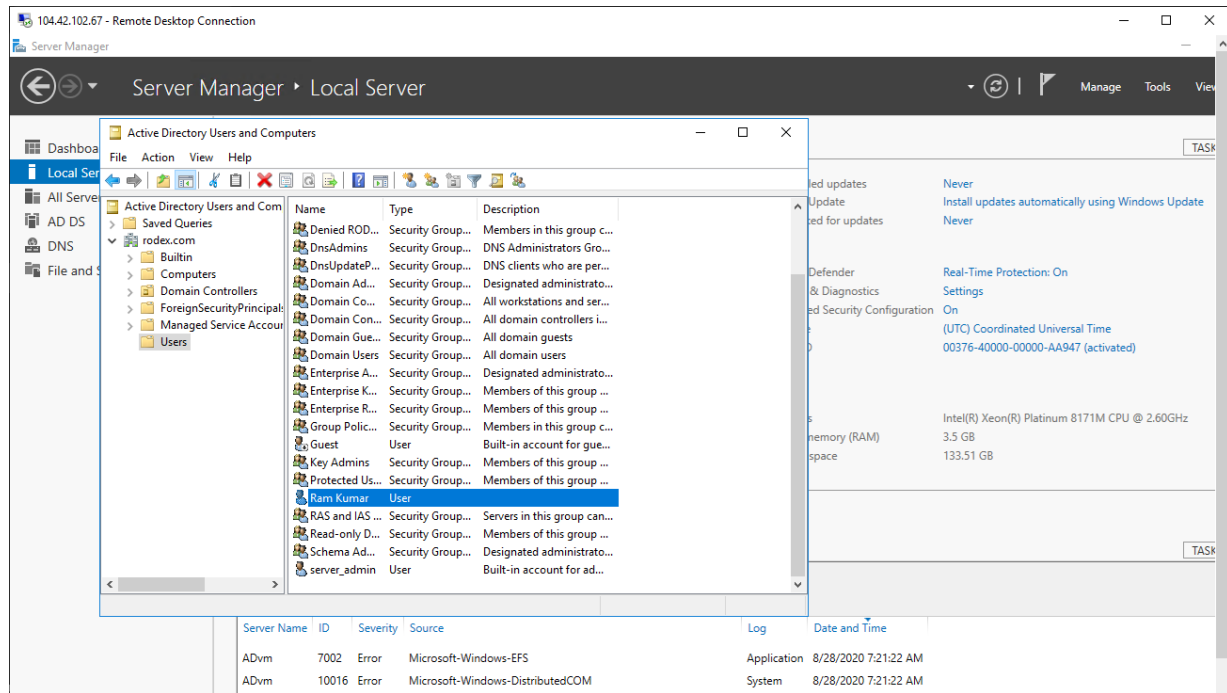




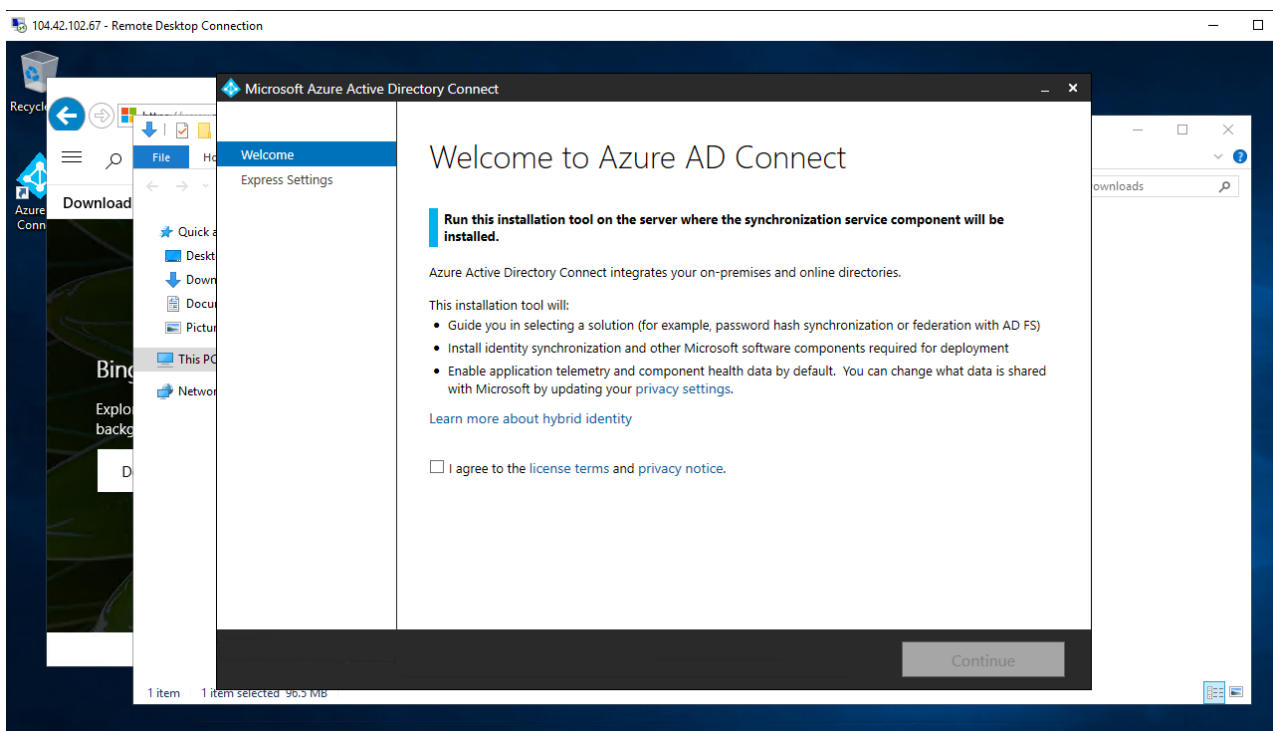
In this windows vm named **ADvm** I configure my windows AD server.

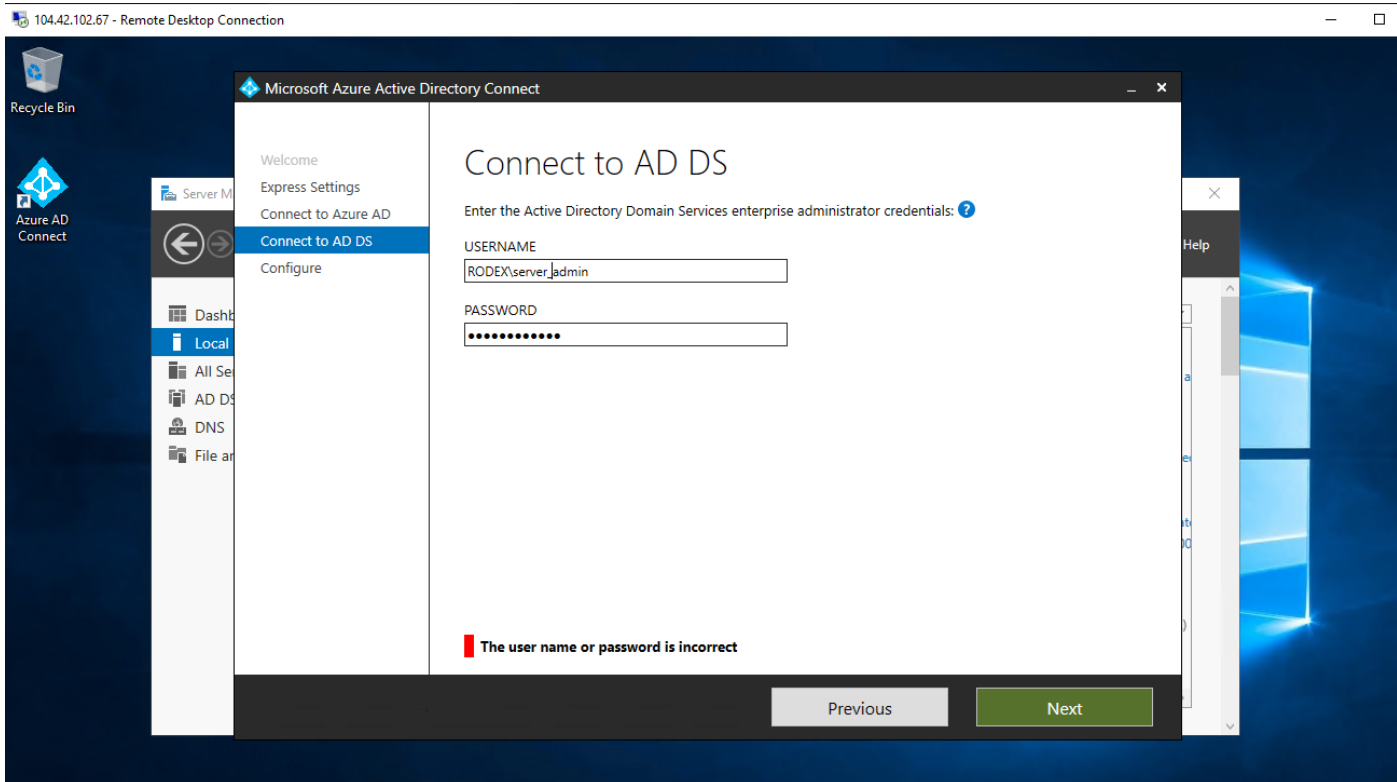
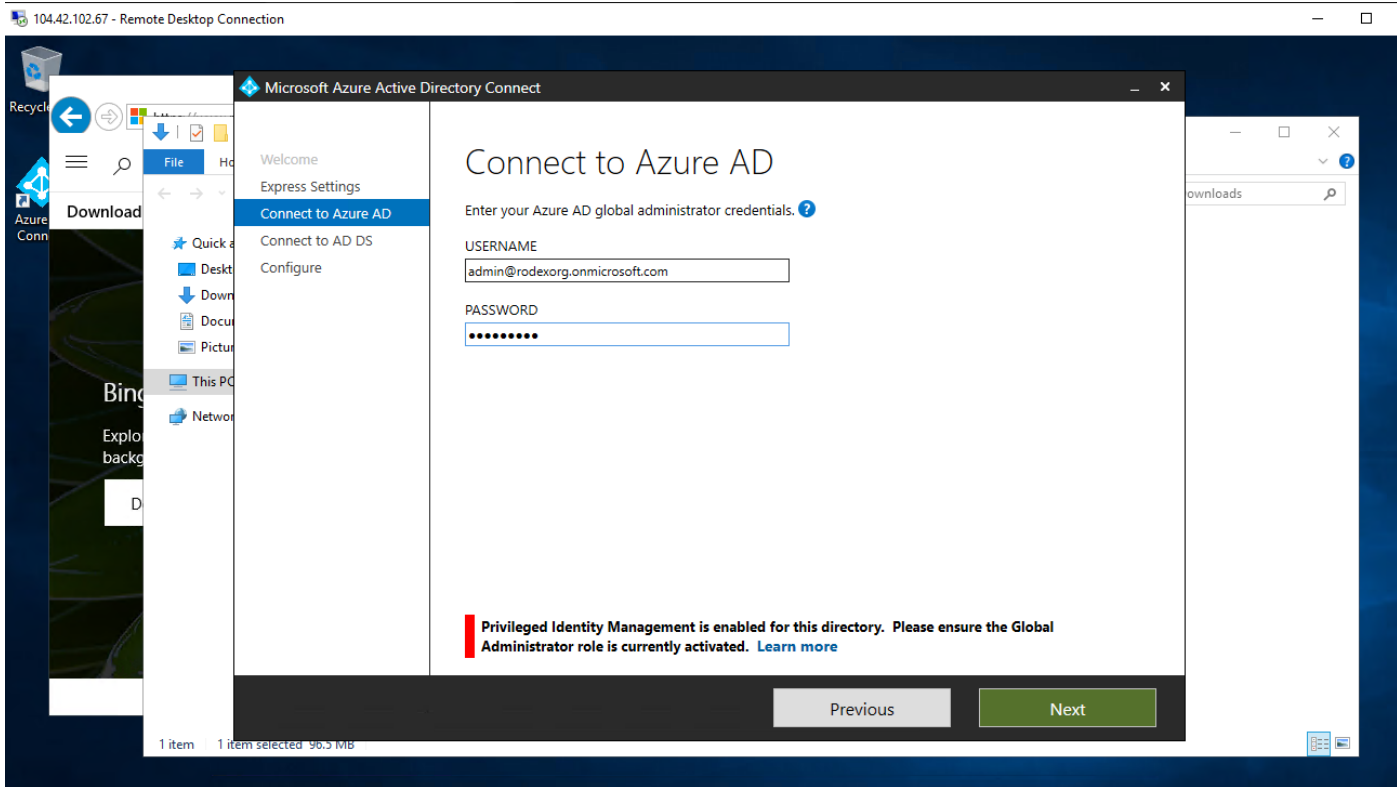


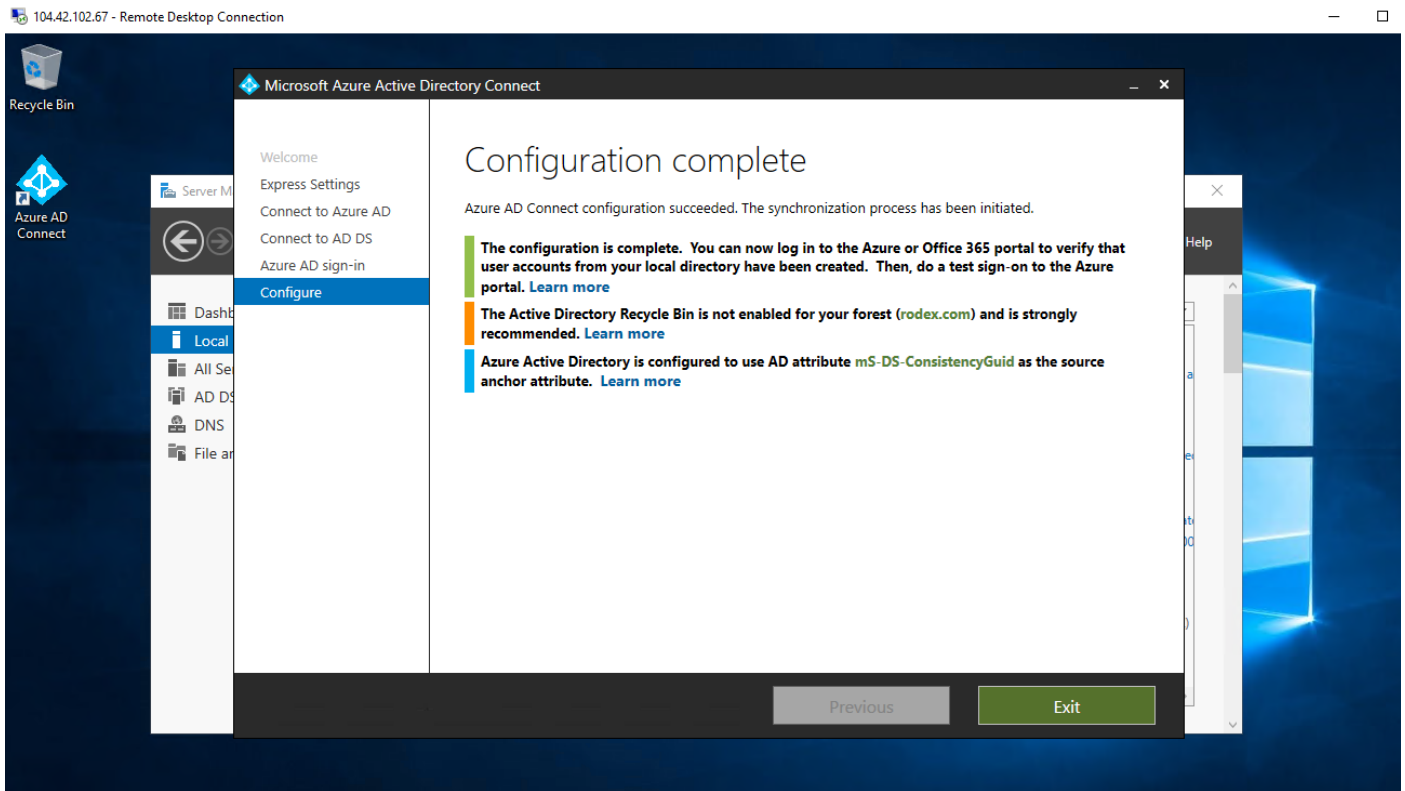
The above snips shows that I configure windows AD with domain name **rodex.com**



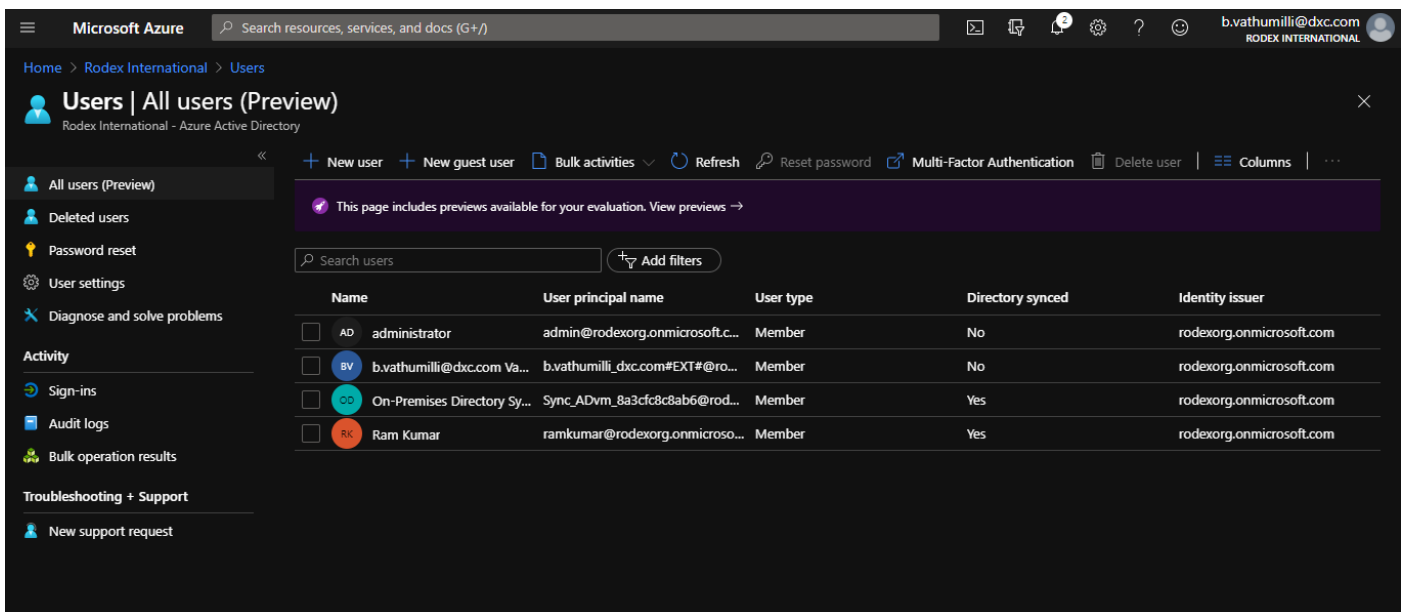
For Identification purpose I create a user named Ram Kumar in my AD users.







After that I configure azure AD connect in my VM



After Integration it shows that the users in the windows AD are visible in the tenant users.

4. configure a backup to the VM you installed AD

The Vm I used to create Windows AD is **ADvm**. Here I take the backup of that vm. For that I create a recovery service vault named **backupvault** and I configure backup in it.

The screenshot shows the 'Backup' configuration page for a recovery services vault named 'backupvault'. The breadcrumb trail is 'Home > Microsoft.RecoveryServicesV2 > backupvault > Backup Goal >'. The page title is 'Backup' with the subtitle 'backupvault'. Under the 'Policy' section, a dropdown menu shows '(new) backuppolicy' with a link to 'Create a new policy'. The 'BACKUP FREQUENCY' is set to 'Daily at 10:30 PM India Standard Time'. The 'Instant Restore' section indicates 'Retain instant recovery snapshot(s) for 2 day(s)'. The 'RETENTION RANGE' section shows 'Retention of daily backup point' as 'Retain backup taken every day at 10:30 PM for 15 Day(s)'. The 'Virtual Machines' section contains a table with columns 'Virtual machine na...', 'Resource Group', and 'OS Disk Only'. One entry is visible: 'ADvm' in 'testRG' with an unchecked checkbox. An 'Enable Backup' button is at the bottom left.

Virtual machine na...	Resource Group	OS Disk Only
ADvm	testRG	<input type="checkbox"/>

Here I add the vm and configure the backup policy with 15 days retention period.

The screenshot shows the 'ADvm' backup item details page in the Azure portal. The breadcrumb trail is 'Home > Recovery Services vaults > backupvault > Backup Items (Azure Virtual Machine) >'. The page title is 'ADvm' with the subtitle 'Backup Item'. Action buttons include 'Backup now', 'Restore VM', 'File Recovery', 'Stop backup', 'Resume backup', 'Delete backup data', 'Restore to Secondary Region', and 'Undelete'. The 'Alerts and Jobs' section has links for 'View all Alerts (last 24 hours)' and 'View all Jobs (last 24 hours)'. The 'Backup status' section shows 'Backup Pre-Check' as 'Passed' and 'Last backup status' as 'Success -'. The 'Summary' section lists 'Recovery services vault' as 'backupvault', 'Backup policy' as 'backuppolicy', and 'Oldest restore point' as '8/28/2020, 5:02:15 PM (16 minute(s) ago)'. The 'Restore points (1)' section includes a filter for the last 30 days and a table of restore points. The table has columns for 'Time', 'Consistency', and 'Recovery Type'. One restore point is listed: '8/28/2020, 5:02:15 PM', 'Application Consistent', 'Snapshot'.

Time	Consistency	Recovery Type
8/28/2020, 5:02:15 PM	Application Consistent	Snapshot

After that I took the Backup of that vm.

5. configure alerts for the VM

Microsoft Azure Upgrade Search resources, services, and docs (G+/I) b.vathumilli@dxcc.com DXCC PRODUCTION

Home > Virtual machines > testvm >

Create alert rule

Rules management

Select the target resource you wish to monitor.

Resource

testvm

Edit resource

Condition

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

Condition name

No condition selected yet

Select condition

Action group

Send notifications or invoke actions when the alert rule triggers, by selecting or creating a new action group.

Create alert rule

Configure signal logic

Percentage CPU (Avg) 1.4308%

Alert logic

Threshold

Static Dynamic

Operator Greater than

Aggregation type Average

Threshold value 5 %

Condition preview

Whenever the average percentage cpu is greater than 5 %

Evaluated based on

Aggregation granularity (Period) 5 minutes

Frequency of evaluation Every 5 Minutes

Done

Here I configure alerts for the vm named **testvm**. I create alert rule for cpu threshold. It give alert to the admin when the cpu threshold is greater than 5%

Microsoft Azure Upgrade Search resources, services, and docs (G+/I) b.vathumilli@dxcc.com DXCC PRODUCTION

Home > Virtual machines > testvm >

Create alert rule

Rules management

Send notifications or invoke actions when the alert rule triggers, by selecting or creating a new action group. [Learn more](#)

Action group name

test

Contains actions

1 Email

Select action group

Alert rule details

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

Alert rule name cpu threshold

Description CPU is running above the threshold limit

Save alert rule to resource group testRG

Severity Sev 3

Create alert rule

In the action group I gave my own mail id.

Microsoft Azure Upgrade Search resources, services, and docs (G+/I) b.vathumilli@dxcc.com DXCC PRODUCTION

Home > Virtual machines > testvm >

Rules

Rules management

+ New alert rule Edit columns Manage actions View classic alerts Refresh Enable Disable Delete

Don't see a subscription? [Open Directory + Subscription settings](#)

Subscription Free Trial

Resource group testRG

Resource type 0 selected

Resource testvm

Signal type All signal types

Status Enabled

Selected subscriptions > testRG > testvm

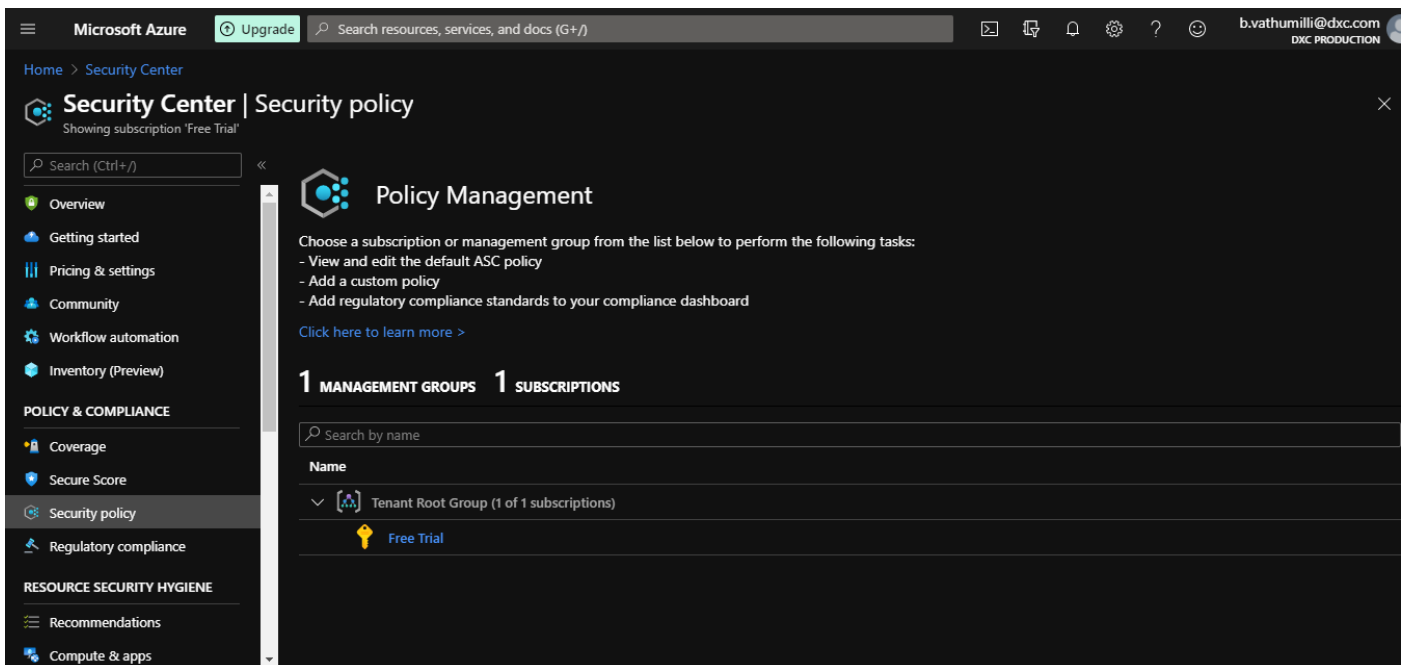
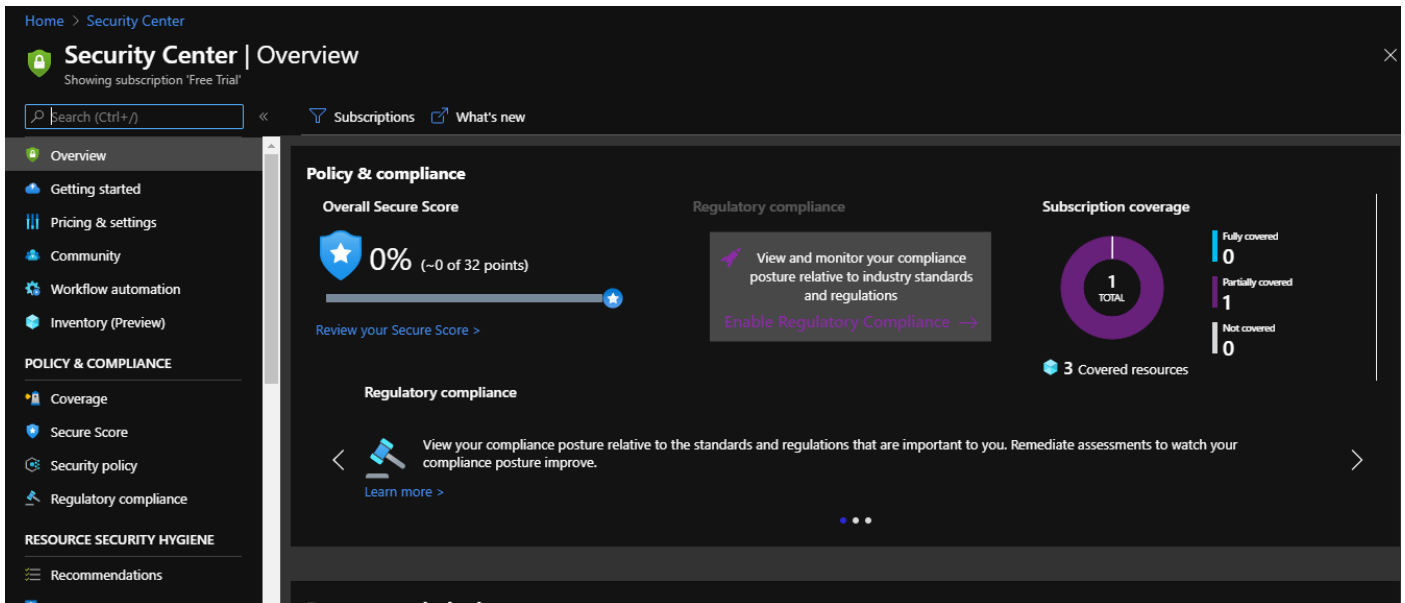
Displaying 1 - 1 rules out of total 1 rules

Search alert rules based on rule name and condition...

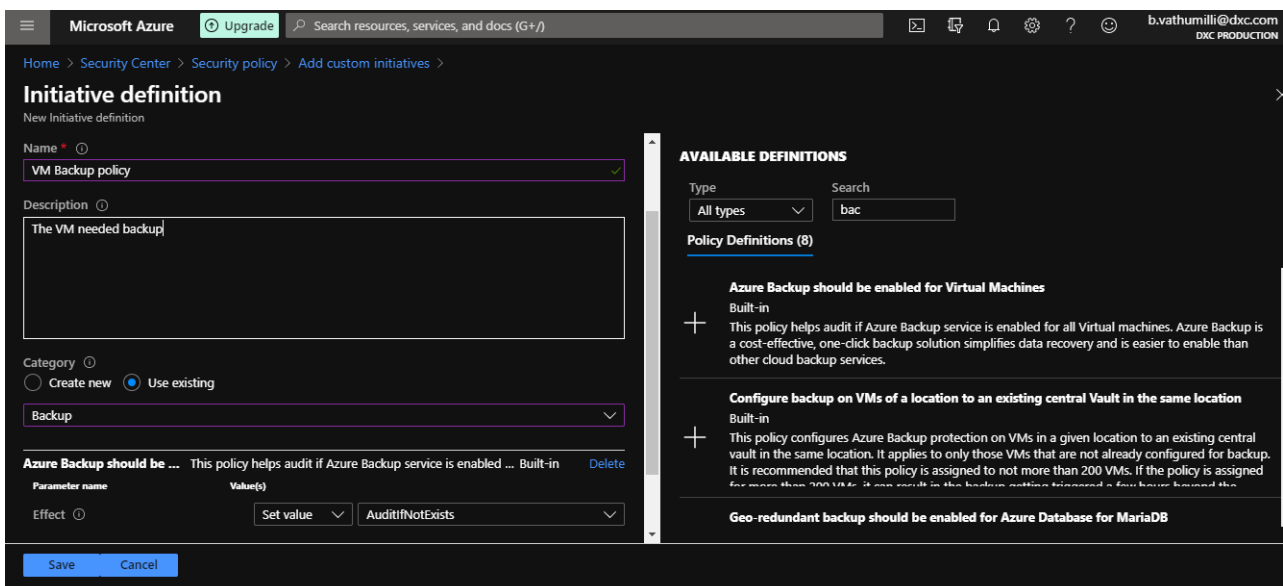
Name	Condition	Status	Target resource	Target resource type	Signal type
cpu threshold	Whenever the average percentage...	Enabled	testvm	virtual machines	Metrics

Finally I enable the alert rule.

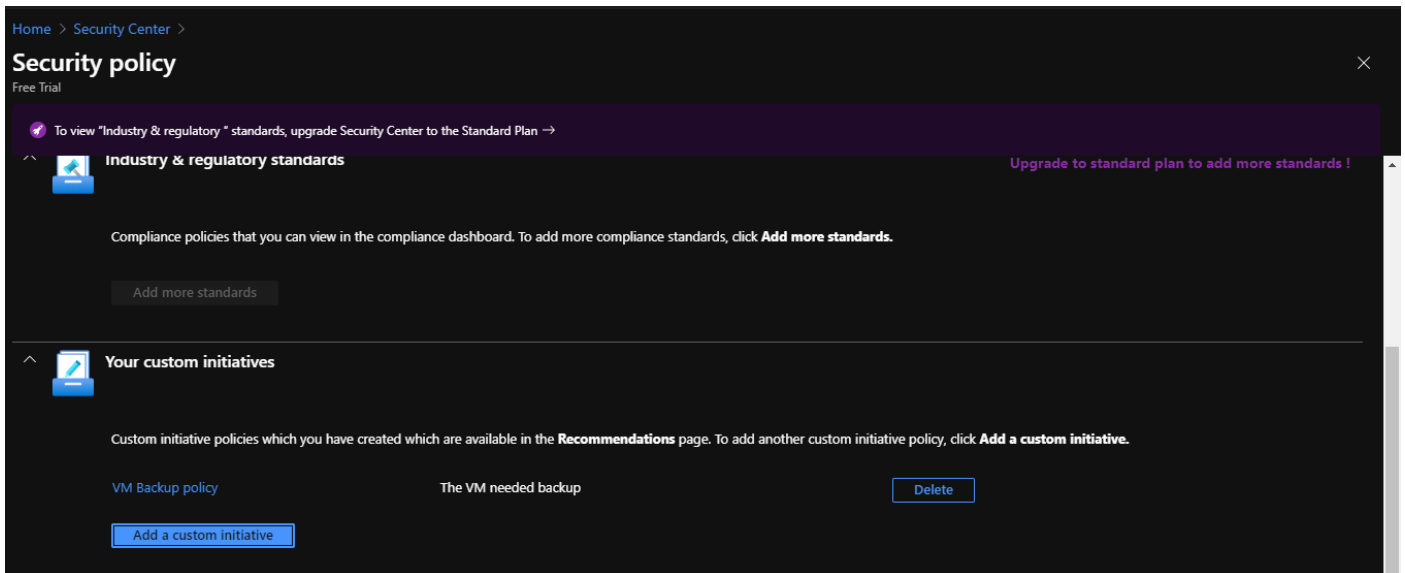
6. Apply any security policy to the subscription



I go to my free trail subscription security center to create a new security policy.

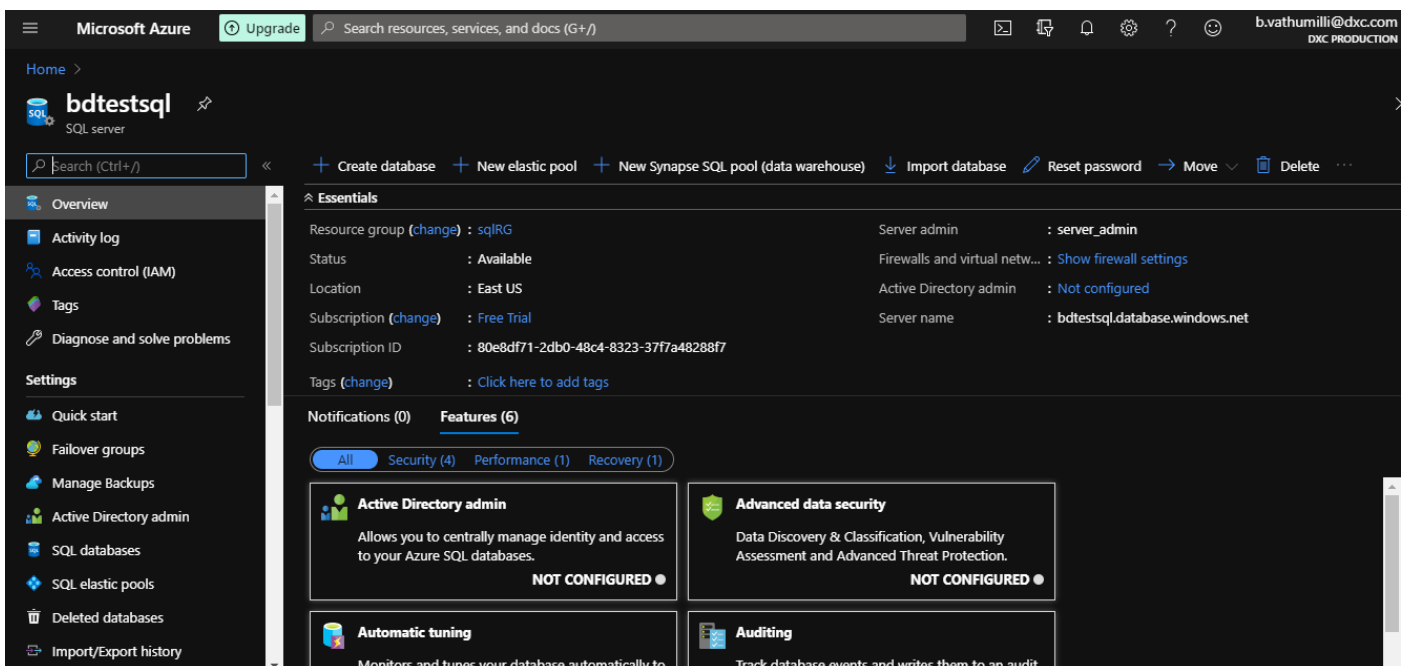


There in the Initiative definition by using available definition I create a **vm backup policy**.



In the above snip policy I created is visible.

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



First I create a SQL server named **bdtestsql** in East US location.

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

Home > bdtestsql >

Create SQL Database

Microsoft

Database details

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

Database name *

Server

Want to use SQL elastic pool? * ☒ Yes ☐ No

Elastic pool *
[Create new](#)

Compute + storage * **Standard**
100 eDTUs, 100 GB, 0 databases
[Configure elastic pool](#)

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

After that I create a SQL database named **testdb** with elastic pool named **testpool**.

Microsoft Azure Upgrade Search resources, services, and docs (G+/) b.vathumilli@dxcc.com DXC PRODUCTION

Home > Microsoft.SqlDatabase.newDatabaseExistingServerNewElasticPool_75 >

testdb (bdtestsql/testdb)

SQL database

Search (Ctrl+/) Copy Restore Export Set server firewall Delete Connect with... Feedback

Overview

- Activity log
- Tags
- Diagnose and solve problems
- Quick start
- Query editor (preview)

Power Platform

- Power BI (preview)
- Power Apps (preview)
- Power Automate (preview)

Settings


- Configure
- Geo-Replication

Essentials

Resource group (change)	: sqlRG	Server name	: bdtestsql.database.windows.net
Status	: Online	Elastic pool	: testpool
Location	: East US	Connection strings	: Show database connection strings
Subscription (change)	: Free Trial	Pricing tier	: Elastic Standard
Subscription ID	: 80e8df71-2db0-48c4-8323-37f7a48288f7	Earliest restore point	: No restore point available
Tags (change)	: Click here to add tags		

Show data for last: ☒ 1 hour ☐ 24 hours ☐ 7 days Aggregation type:

Compute utilization



The above snip shows the database I created with elastic pool.

Microsoft Azure Upgrade Search resources, services, and docs (G+/I) b.vathumilli@dxv.com DXV PRODUCTION

Home > SQL servers > bdttestsql

bdtestsql | SQL elastic pools

SQL server

Search (Ctrl+/)

Settings

- Quick start
- Failover groups
- Manage Backups
- Active Directory admin
- SQL databases
- SQL elastic pools**
- Deleted databases
- Import/Export history
- DTU quota
- Properties
- Locks
- Export template
- Security

Name	Pricing tier	Per DB Settings	# of DBs	Storage [%]	Unit	Av
testpool	Standard: 100 eDTUs	0-100 eDTUs	1	0.00%	eDTU	0.0

Here it shows the elastic pool I created with pricing tier.