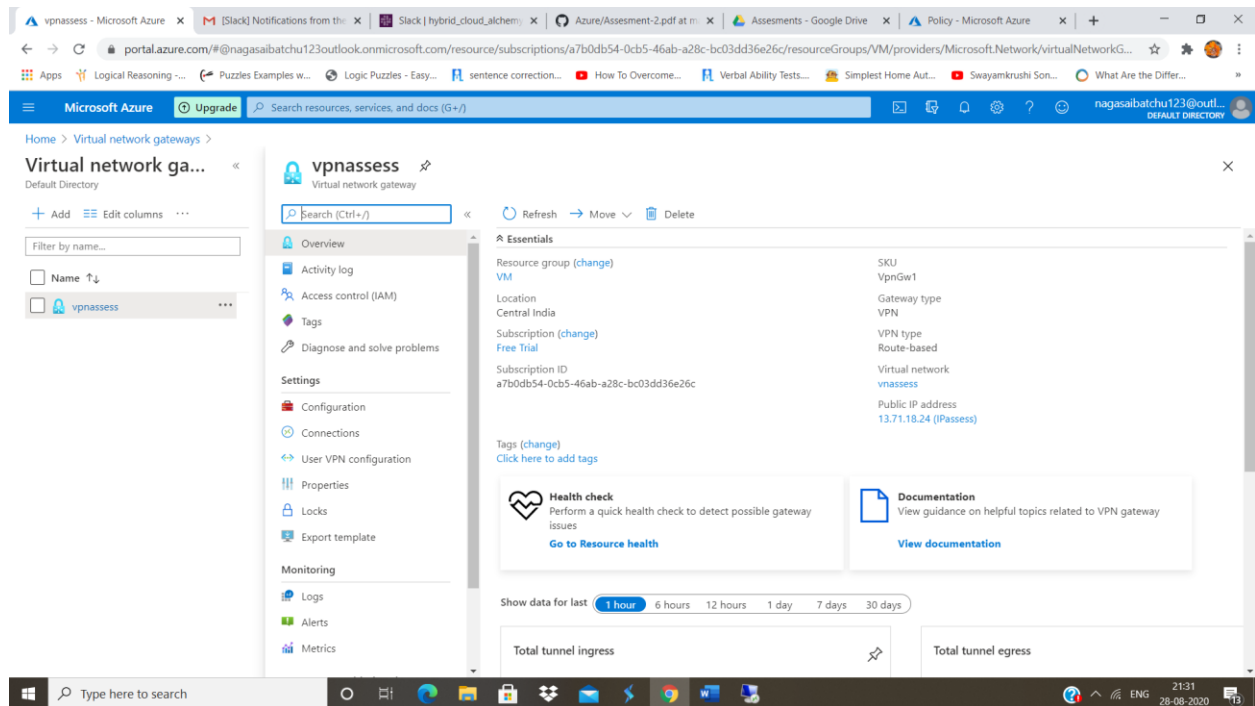
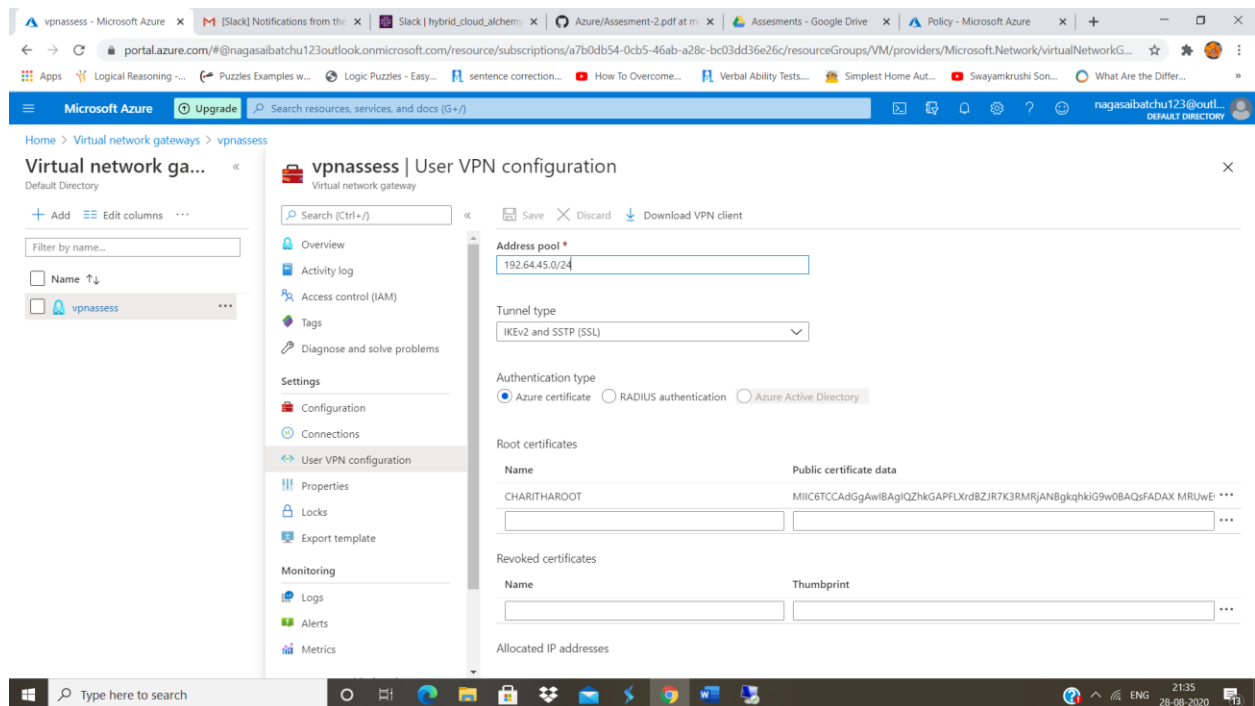


1. Create a P-T-S VPN and attach a VM to it.

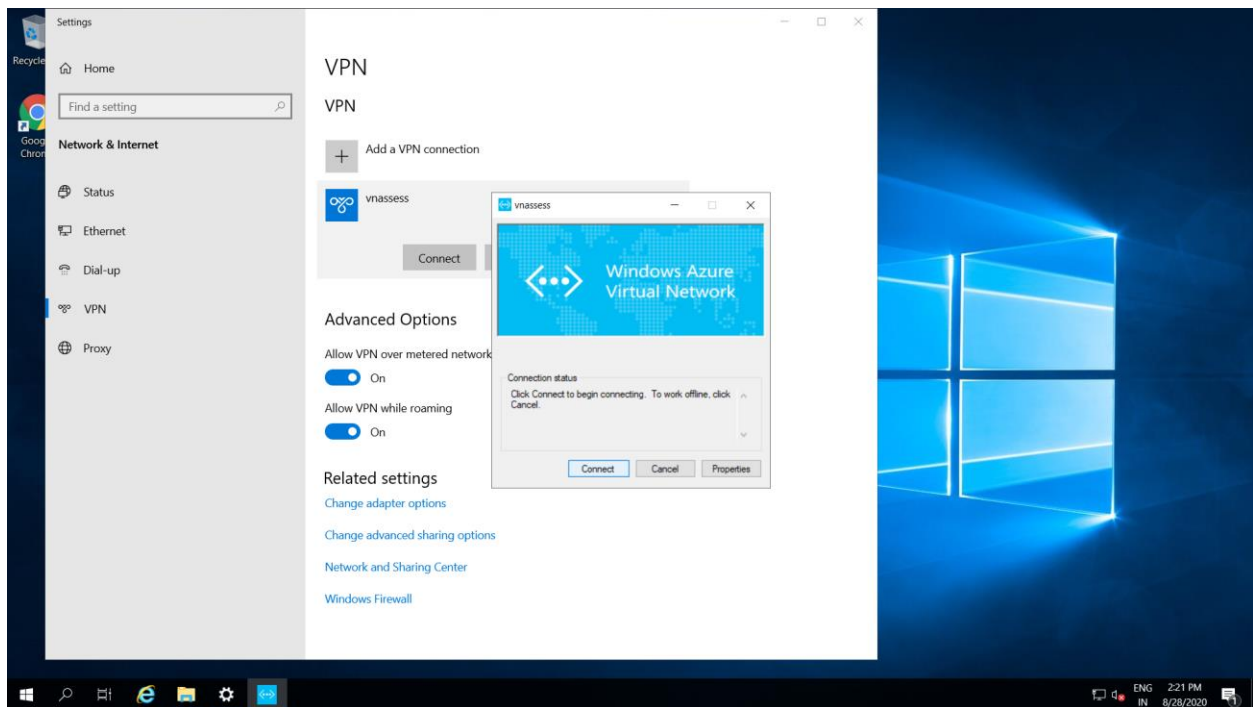
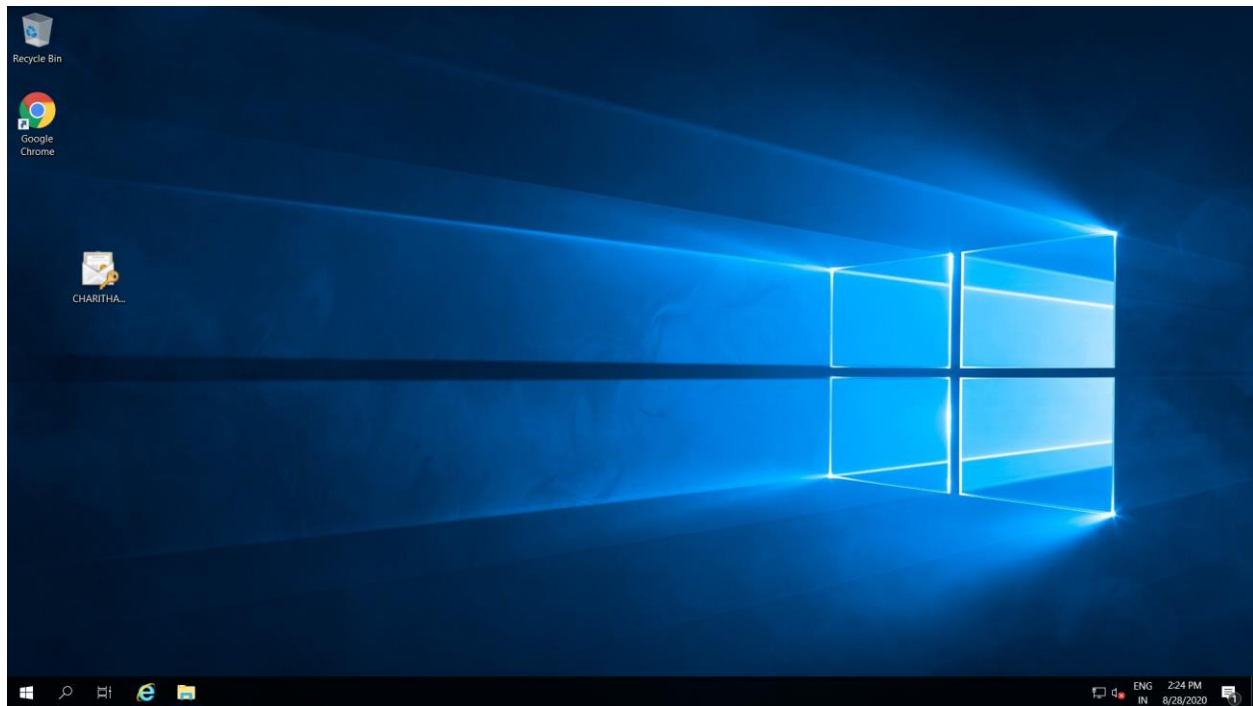
I created vpn with name as vpnassess.

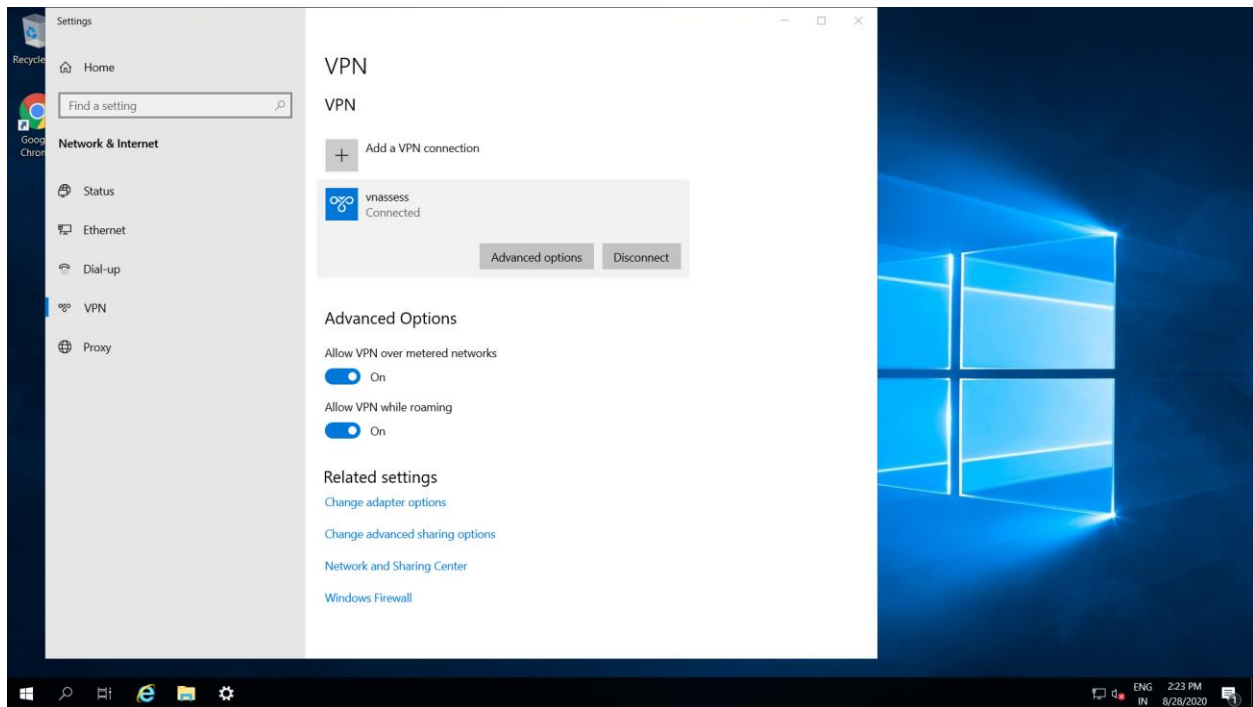


In the user vpn configuration, I configured required details and then I downloaded vpn client.



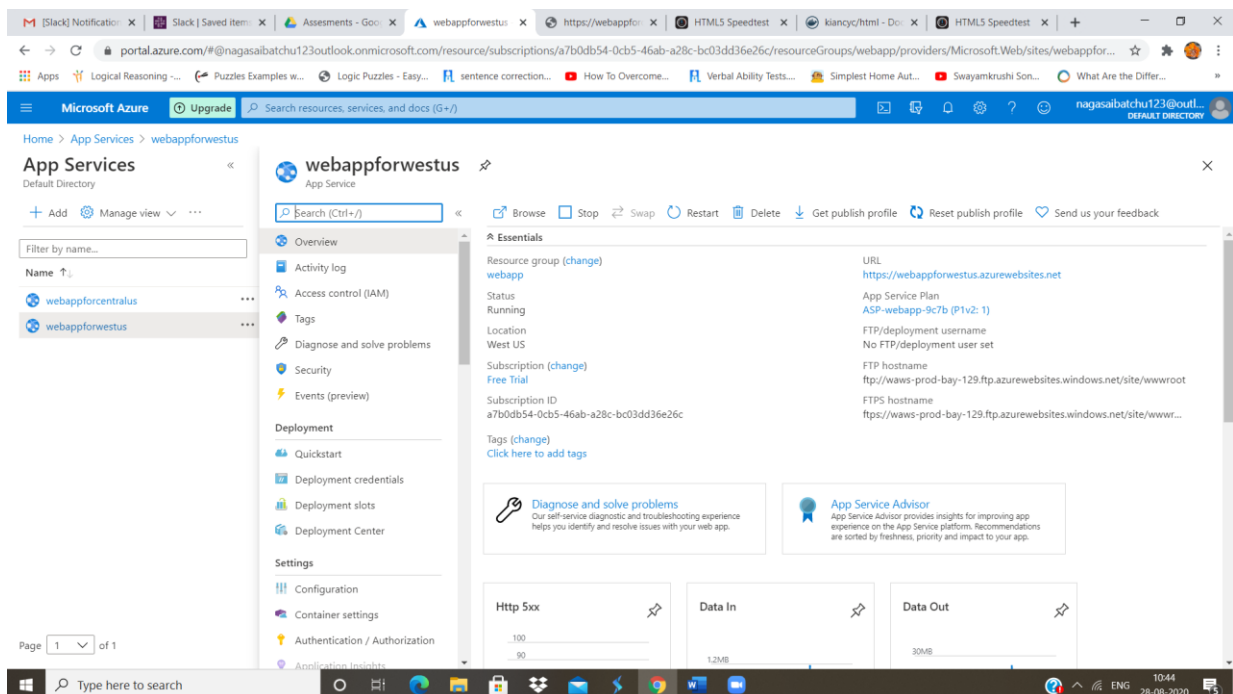
I pasted client certificate inside the virtual machine and connected the virtual machine to the vpn. The images are as follows.





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

I have created webapp in WEST US location. The image is as follows.



I have created another webapp in CENTRAL US location. The image is as follows.

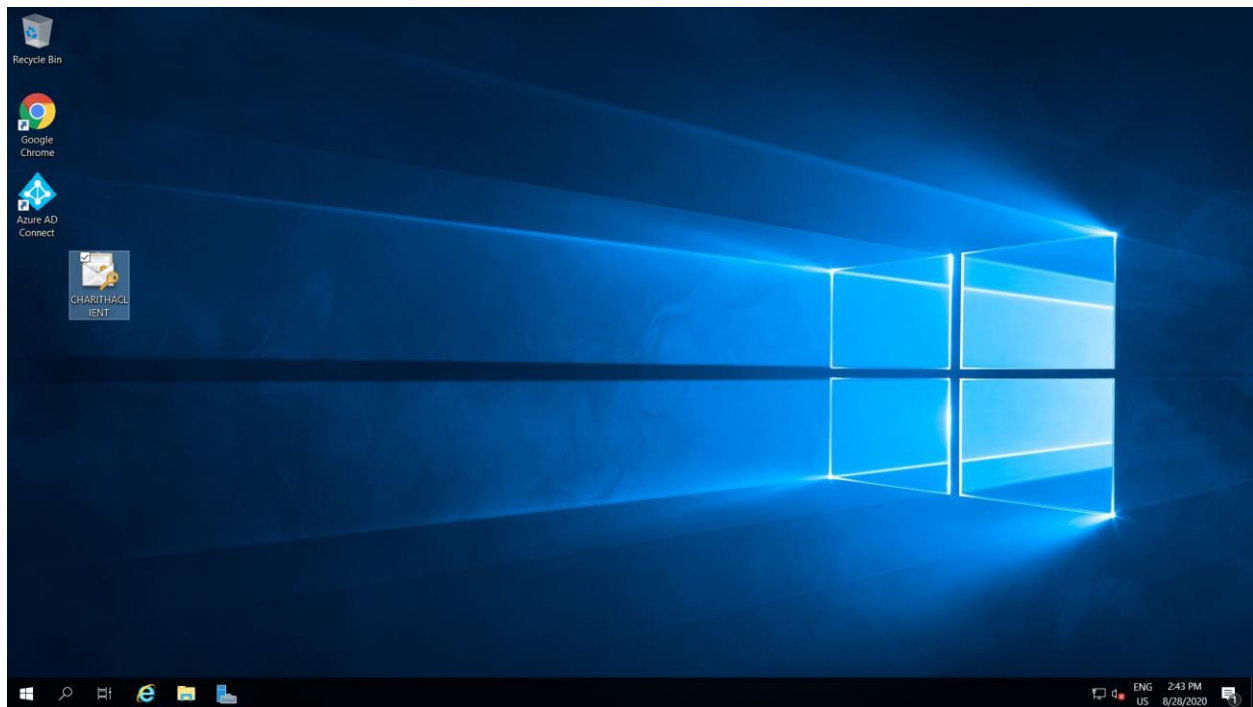
The screenshot displays the Azure portal for the 'webappforcentralus' App Service. The left sidebar shows the navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Security, Events (preview), Deployment, Quickstart, Deployment credentials, Deployment slots, and Deployment Center. The main content area is titled 'Essentials' and includes a search bar, a list of actions (Browse, Stop, Swap, Restart, Delete, Get publish profile, Reset publish profile, Send us your feedback), and a table of endpoints. The table has columns for Name, Status, Monitor status, Type, and Priority. The endpoints listed are 'westus1' (Enabled, Online, Azure endpoint, Priority 1) and 'centralus2' (Enabled, Degraded, Azure endpoint, Priority 2).

I created traffic manager profile with name as traffmang and I configure those two web apps which are in two different locations with priority routing method in traffic manager profile.

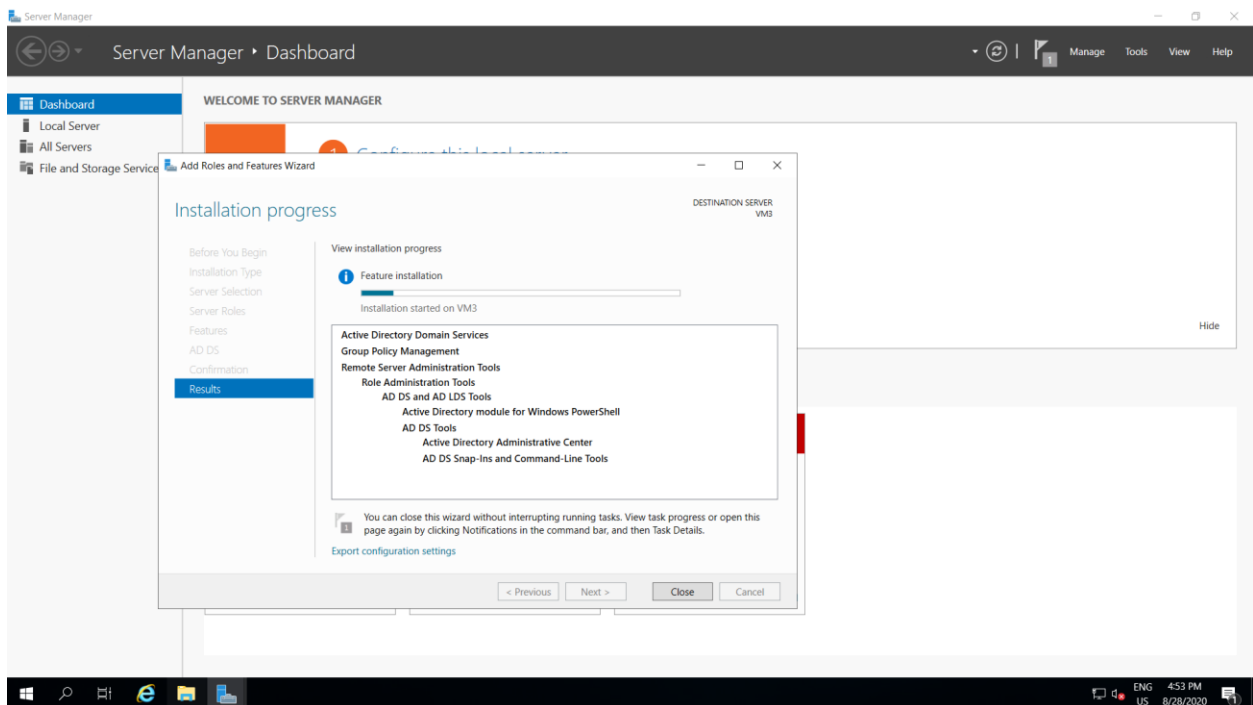
The screenshot displays the Azure portal for the 'traffmang' Traffic Manager profile. The left sidebar shows the navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Configuration, Real user measurements, Traffic view, Endpoints, Properties, Locks, Export template, Monitoring, Alerts, and Metrics. The main content area is titled 'Essentials' and includes a search bar, a list of actions (Enable profile, Disable profile, Refresh, Move, Delete profile), and a table of endpoints. The table has columns for Name, Status, Monitor status, Type, and Priority. The endpoints listed are 'westus1' (Enabled, Online, Azure endpoint, Priority 1) and 'centralus2' (Enabled, Degraded, Azure endpoint, Priority 2).

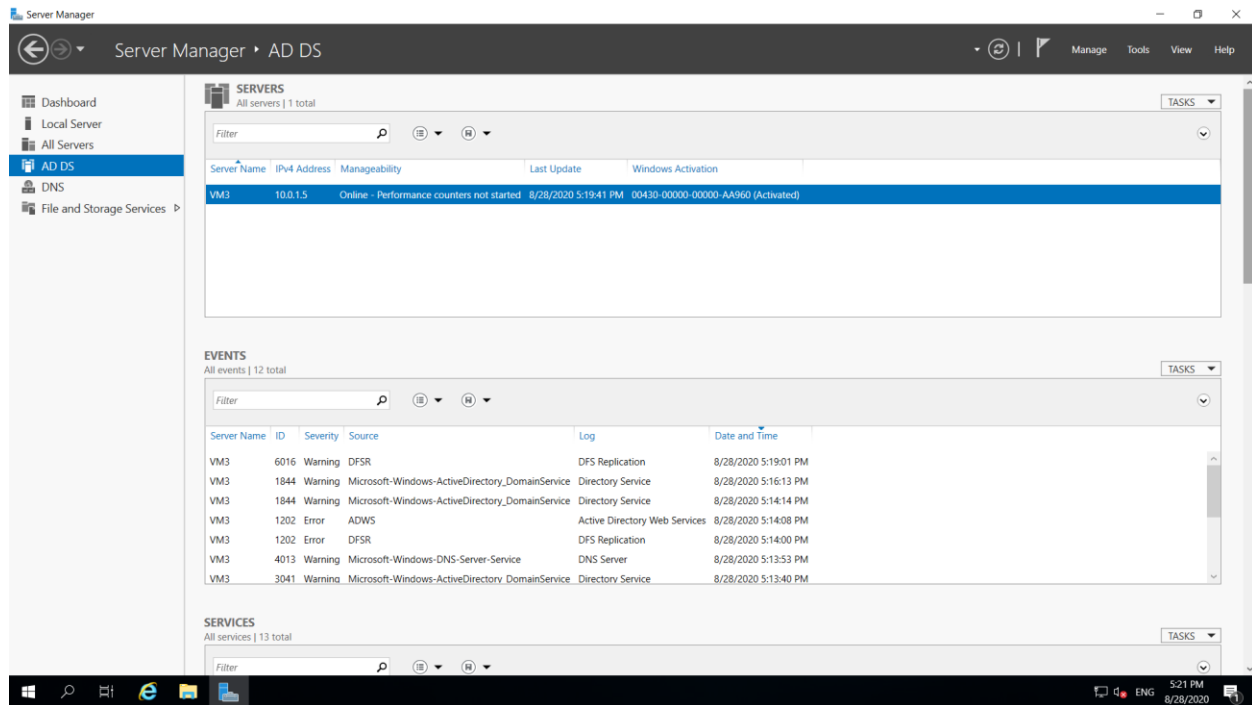
3.create a windows server with AD installed and integrate with Azure AD

I created a windows server, in that I installed Azure AD connect.

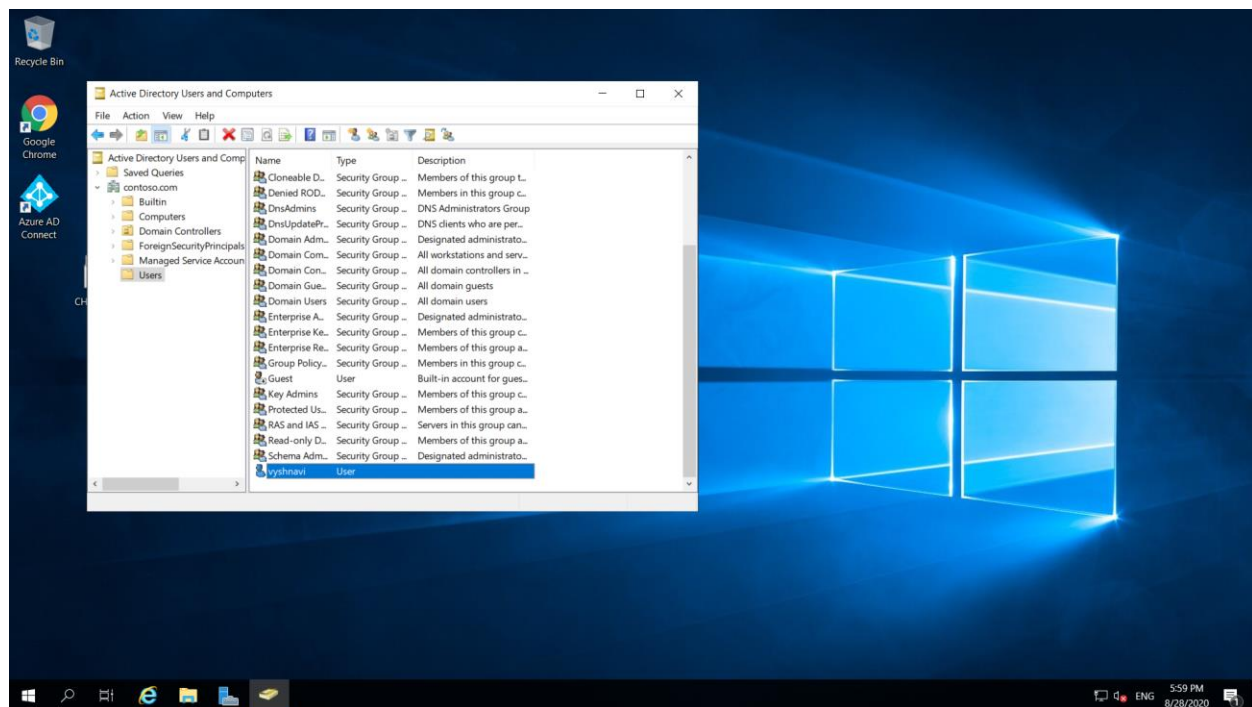


I have installed active directory domain services inside the virtual machine.

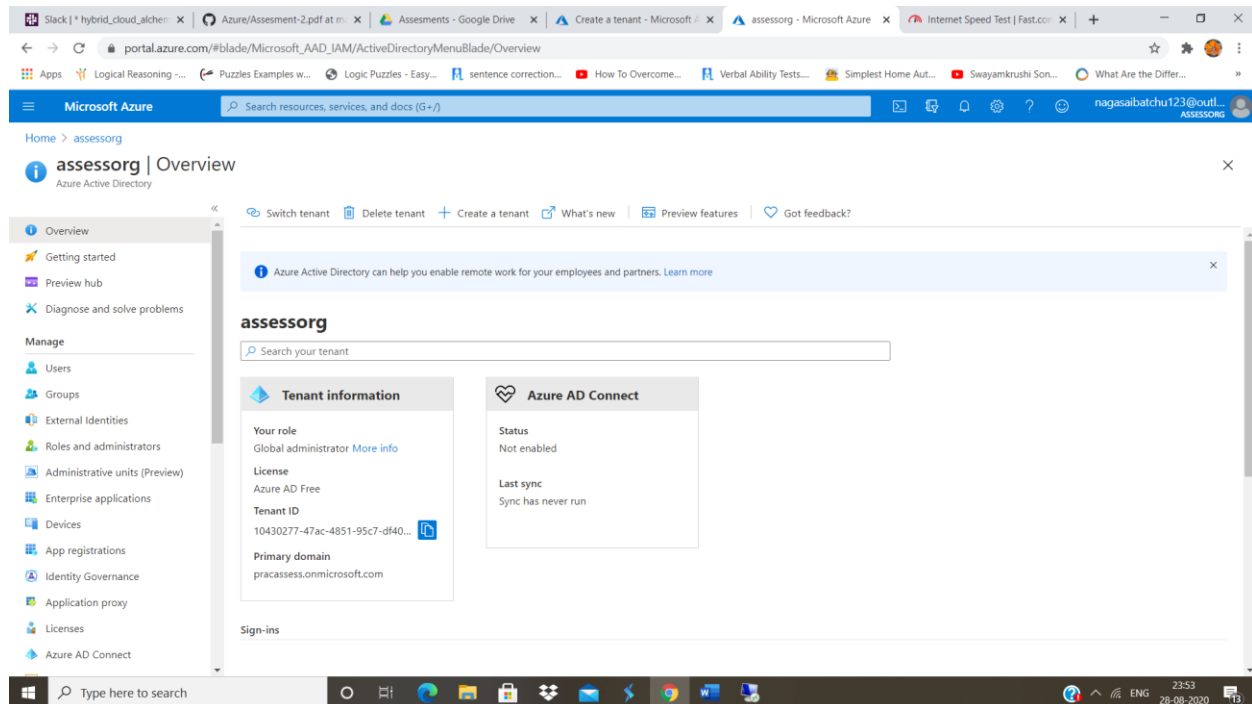




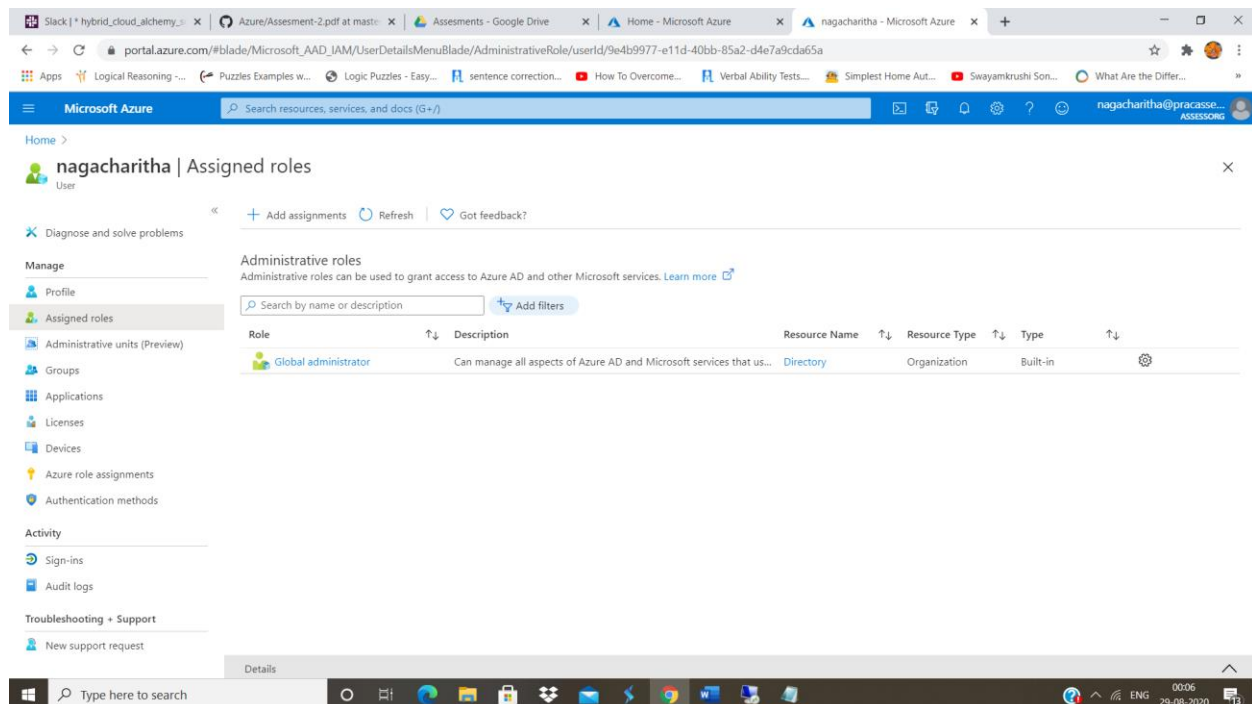
I have created users in the domain contoso.com.



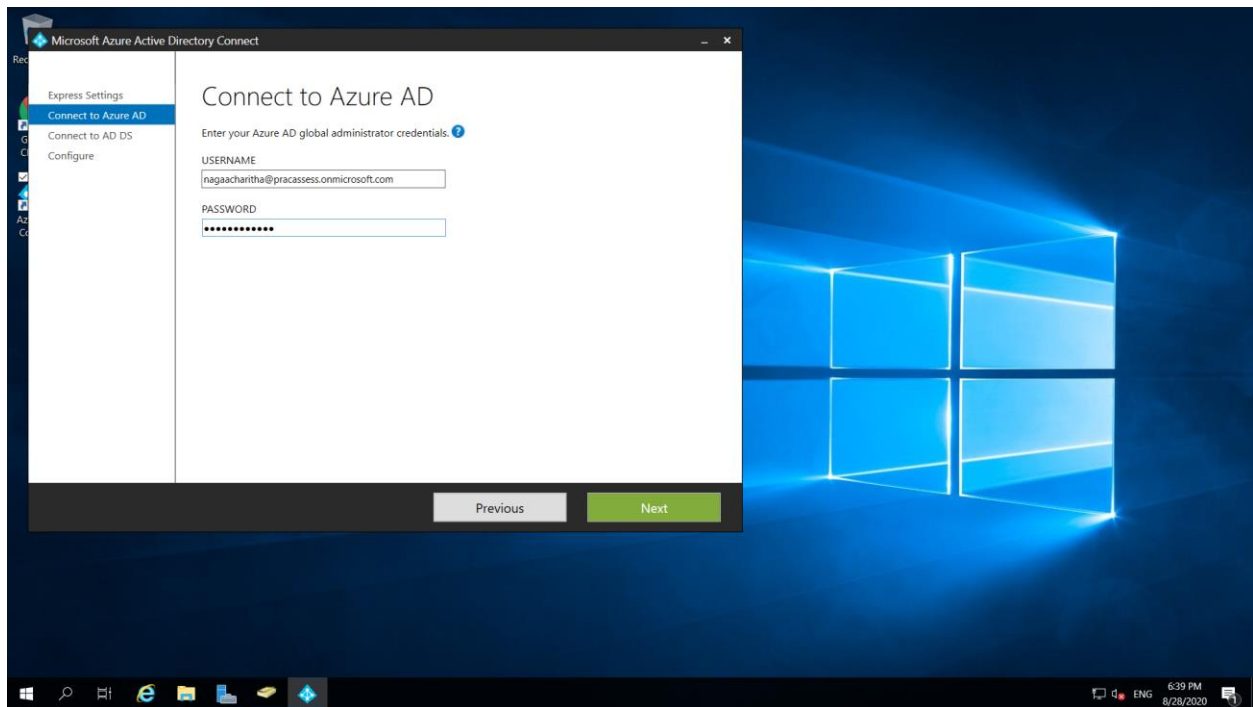
I have created a tenant, in that select switch tenant and switch default to assessorg. The image is as follows.



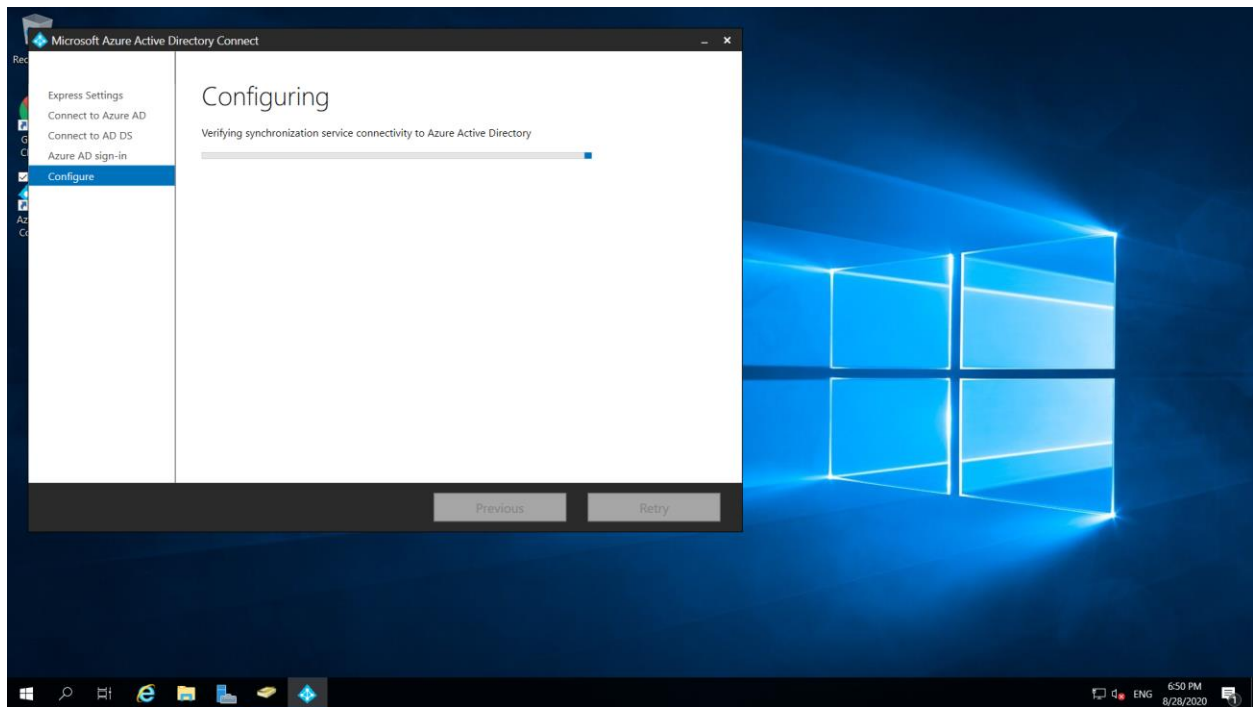
To change the generated password I have logged in with that account and I changed the password for that nagacharitha account.



Connecting to azure AD.



This is the last step in configuring.



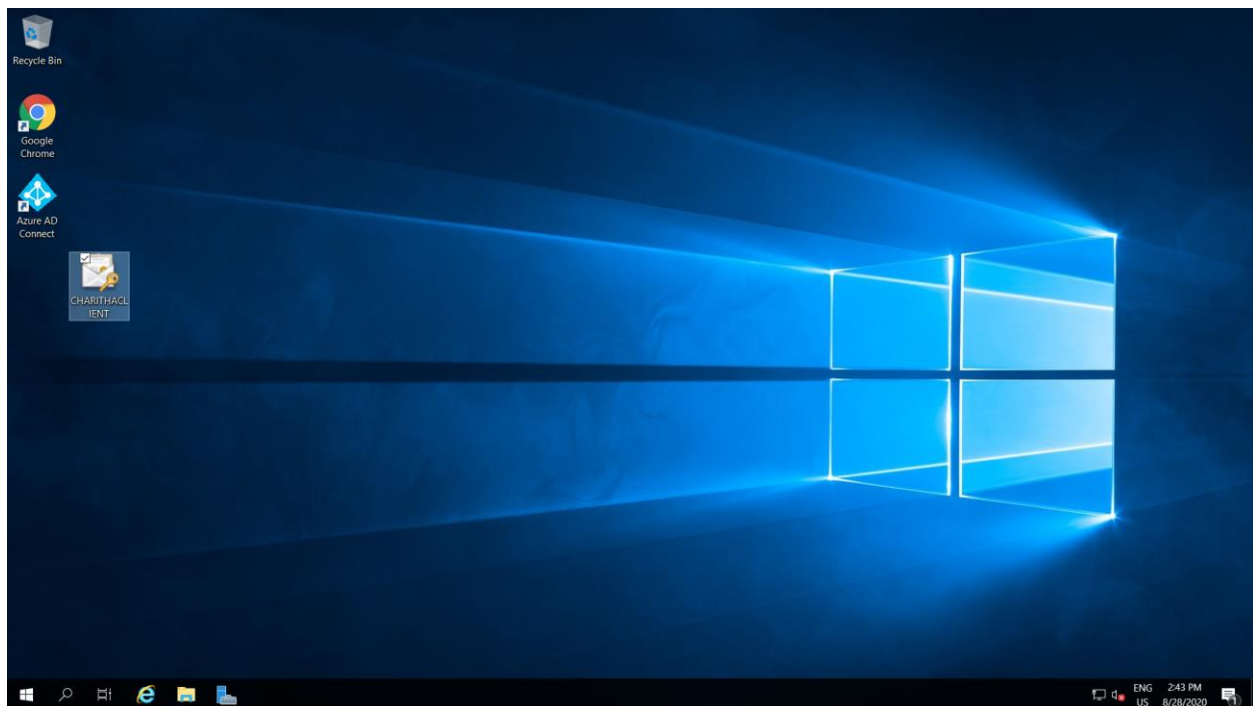
After the configuration, I verified all the users that are created in the vm and azure are there or not.

Microsoft Azure portal screenshot showing the 'All users (Preview)' page. The page displays a list of users with columns for Name, User principal name, User type, Directory synced, and Identity issuer. The users listed are nagacharitha, nagasaibatchu123@outlook.co..., On-Premises Directory Synchro..., and vyshnavi. The interface includes a search bar, filters, and a sidebar with navigation options like 'All users (Preview)', 'Deleted users', 'Password reset', 'User settings', 'Diagnose and solve problems', 'Activity', 'Sign-ins', 'Audit logs', 'Bulk operation results', 'Troubleshooting + Support', and 'New support request'.

Name	User principal name	User type	Directory synced	Identity issuer
<input type="checkbox"/> nagacharitha	nagacharitha@pracassess.onmicrosoft.com	Member	No	pracassess.onmicrosoft.com
<input type="checkbox"/> nagasaibatchu123@outlook.co...	nagasaibatchu123_outlook.com#EXT#...	Member	No	pracassess.onmicrosoft.com
<input type="checkbox"/> On-Premises Directory Synchro...	Sync_VM3_9e00cc3c7a41@pracassess...	Member	Yes	pracassess.onmicrosoft.com
<input type="checkbox"/> vyshnavi	vyshnavi@pracassess.onmicrosoft.com	Member	Yes	pracassess.onmicrosoft.com

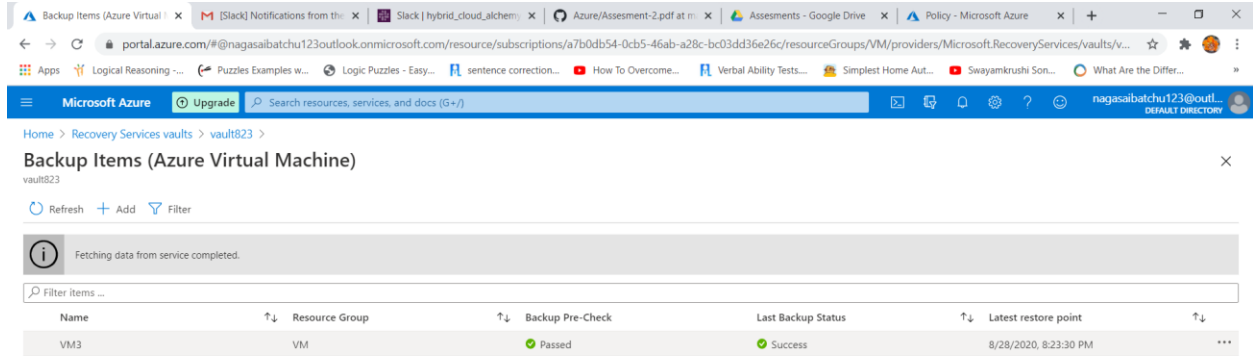
4.configure a backup to the VM you installed AD

I created virtual machine VM3 and then I installed Azure AD connect.



I have created recovery service vault, in that I enable backup for azure virtual machine VM3.

The backup for VM3 is happened. The images are as follows.



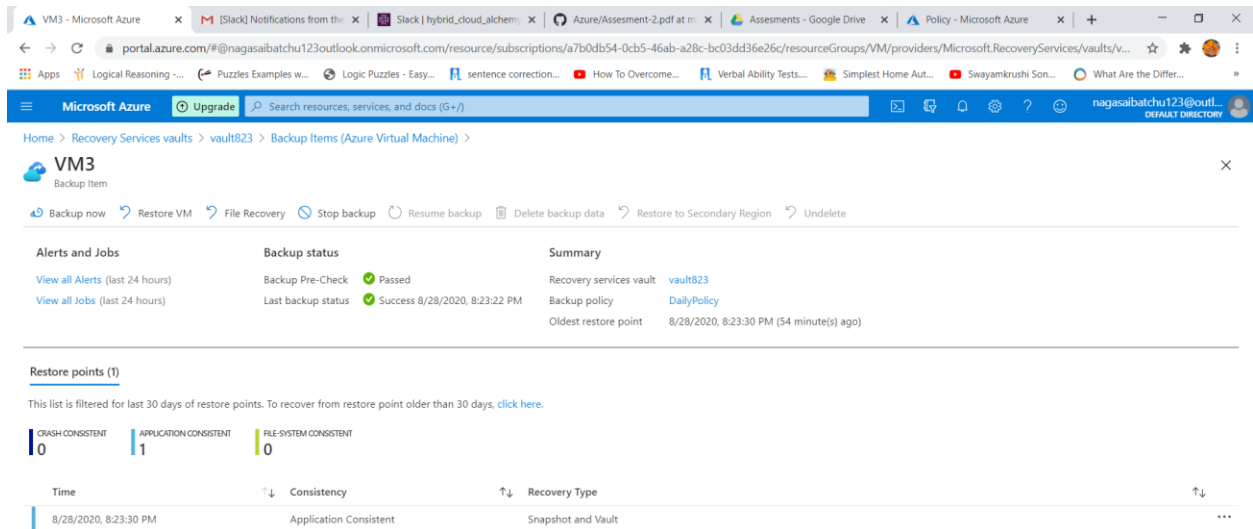
Home > Recovery Services vaults > vault823 >

Backup Items (Azure Virtual Machine)

Refresh + Add Filter

Fetching data from service completed.

Name	Resource Group	Backup Pre-Check	Last Backup Status	Latest restore point
VM3	VM	Passed	Success	8/28/2020, 8:23:30 PM



Home > Recovery Services vaults > vault823 > Backup Items (Azure Virtual Machine) >

VM3

Backup Item

Backup now Restore VM File Recovery Stop backup Resume backup Delete backup data Restore to Secondary Region Undelete

Alerts and Jobs
[View all Alerts](#) (last 24 hours)
[View all Jobs](#) (last 24 hours)

Backup status
Backup Pre-Check: Passed
Last backup status: Success 8/28/2020, 8:23:22 PM

Summary
Recovery services vault: vault823
Backup policy: DailyPolicy
Oldest restore point: 8/28/2020, 8:23:30 PM (54 minute(s) ago)

Restore points (1)

This list is filtered for last 30 days of restore points. To recover from restore point older than 30 days, [click here](#).

Time	Consistency	Recovery Type
8/28/2020, 8:23:30 PM	Application Consistent	Snapshot and Vault



5.configure alerts for the VM

I created alert rule for virtual machine VM3

The screenshot shows the 'Create alert rule' page in the Microsoft Azure portal. The page is titled 'Create alert rule' and is part of the 'Rules management' section. It includes a breadcrumb trail: 'Home > Virtual machines > VM3 >'. The page contains several sections:

- Action group name:** 'grpassess'. It contains 1 Email action.
- Alert rule details:**
 - Alert rule name:** 'ruleassess' (with a checkmark icon).
 - Description:** 'CPU credits remained' (with a checkmark icon).
 - Save alert rule to resource group:** 'VM' (with a dropdown arrow).
 - Severity:** 'Sev 3' (with a dropdown arrow).
 - Enable alert rule upon creation:** Checked (checkbox).

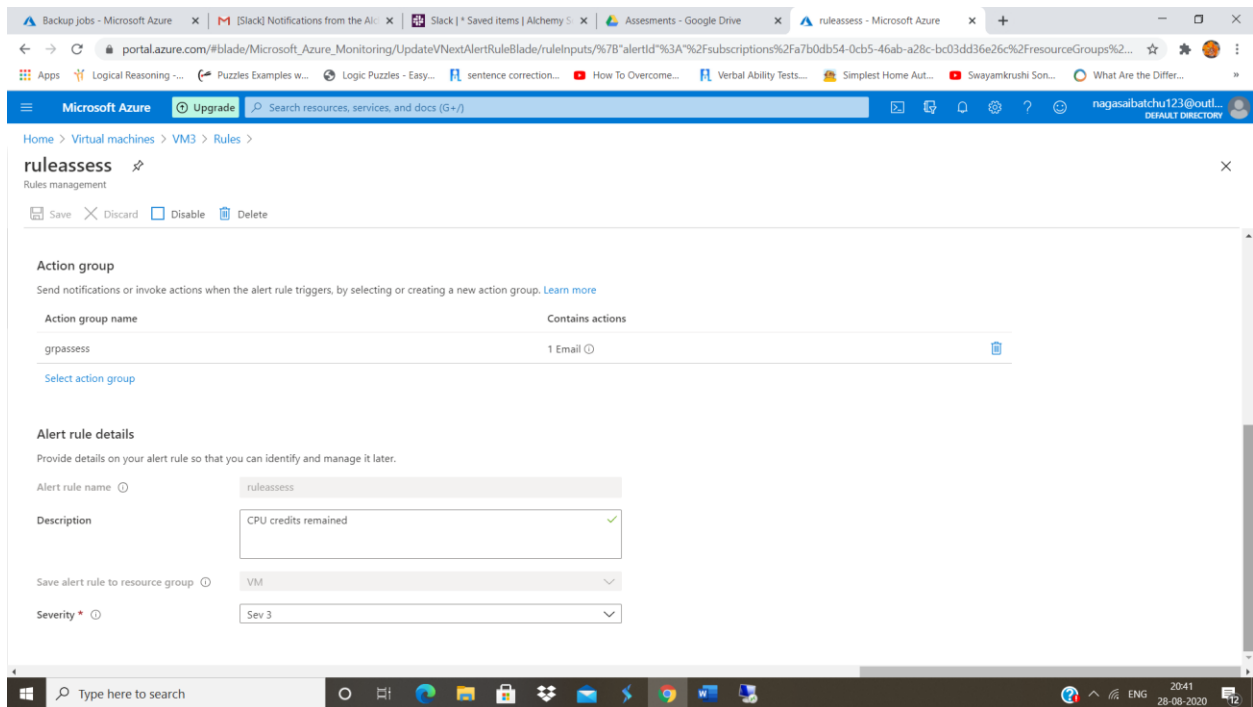
A blue button labeled 'Create alert rule' is at the bottom left. A notification bubble in the top right corner says: '*** Creating alert rule. Creating alert rule 'ruleassess'. 8:32 PM'.

In this rule, I enabled a condition regarding CPU credits remained. The images are as follows.

The screenshot shows the 'ruleassess' alert rule configuration page in the Microsoft Azure portal. The page is titled 'ruleassess' and is part of the 'Rules management' section. It includes a breadcrumb trail: 'Home > Virtual machines > VM3 > Rules >'. The page contains several sections:

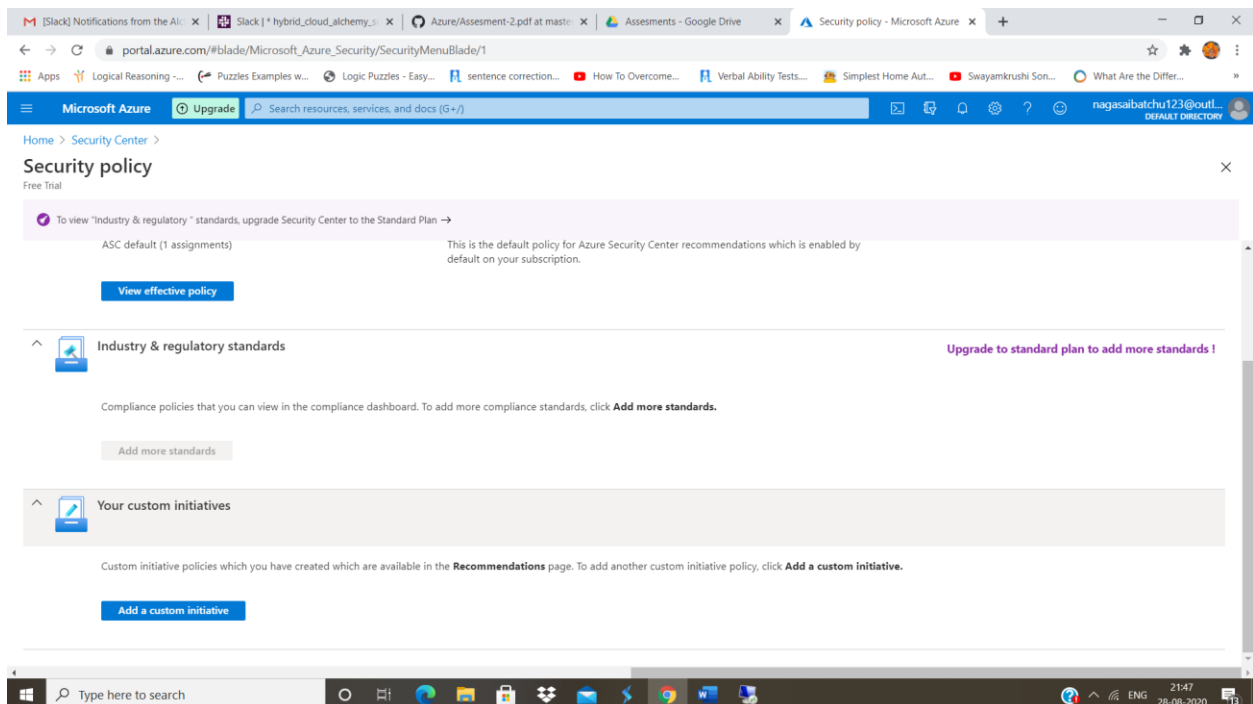
- Scope:**
 - Resource:** 'VM3' (with a dropdown arrow).
 - Hierarchy:** 'Free Trial > VM'.
- Condition:**
 - Condition name:** 'Whenever the average cpu credits remaining is less than 30 count' (with a green checkmark icon).
 - Time series monitored:** '1'.
 - Estimated monthly cost (USD):** '\$ 0.10'.
- Action group:** 'grpassess'.

A blue button labeled 'Create alert rule' is at the bottom left. A notification bubble in the top right corner says: '*** Creating alert rule. Creating alert rule 'ruleassess'. 8:32 PM'.

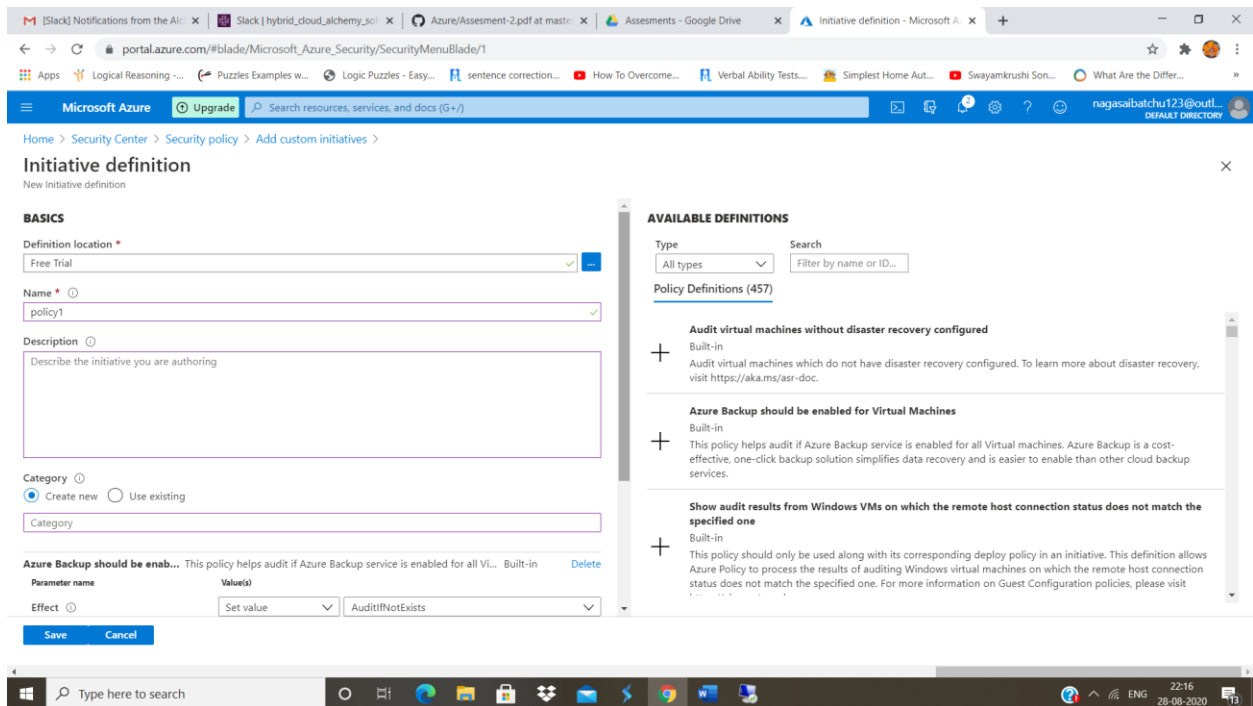


6. Apply any security policy to the subscription.

Go to security center and then click security policy. In that, go to your custom initiative to create your own policy.

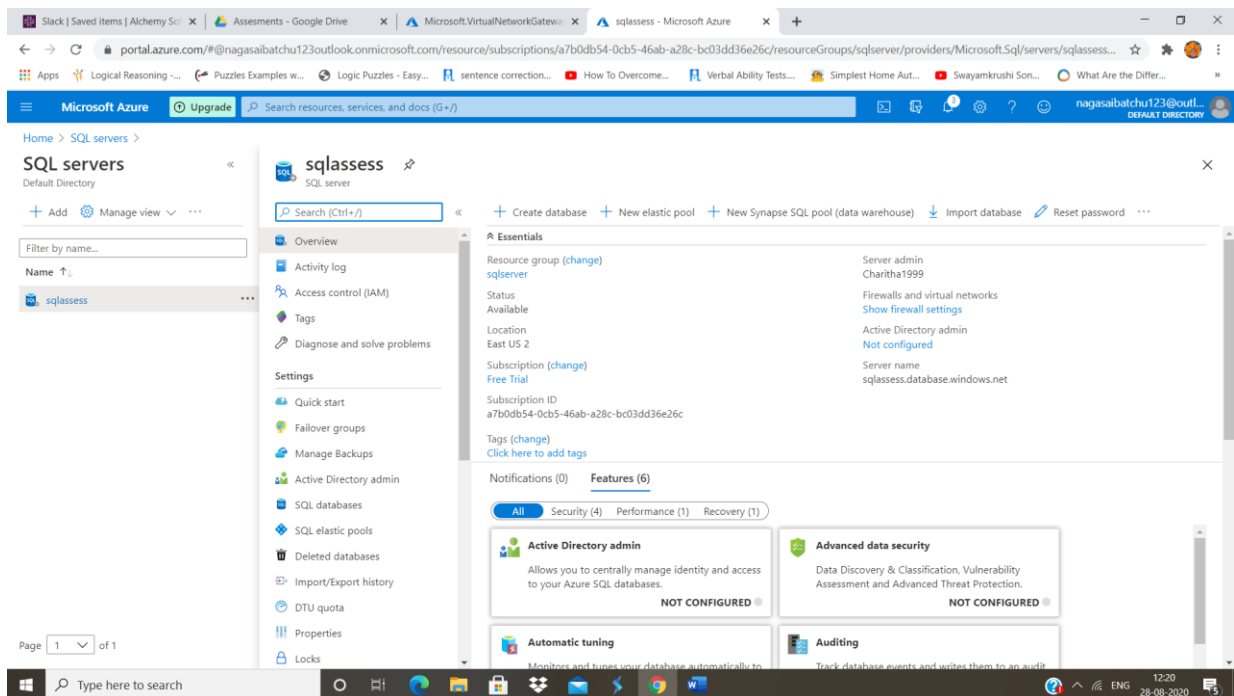


I have created policy for azure backup.



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

I have created a SQL server with name as sqlassess.



I am creating SQL database by clicking create database in the overview section of SQL server. While creating the database I have installed it in the elastic pool. The images are as follows.

Slack | Saved items | Alchemy Sci... | Assessments - Google Drive | Microsoft.VirtualNetworkGateway... | Create SQL Database - Microsoft... | +

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

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

Home > Microsoft.SQLServer.createServer_2abb0760246a4c3a8b0a0fd0479af5 > sqlserver >

Create SQL Database

Microsoft

Subscription: Free Trial

Resource group: sqlserver

Database details

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

Database name *: databaseassess ✓

Server: sqlserver (East US 2)

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

Elastic pool *: (new) elasticpoolassess
[Create new](#)

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

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

https://portal.azure.com/#

Type here to search

12:13 28-08-2020

The database gets installed in the elastic pool.

Slack | Saved items | Alchemy Sci... | Assessments - Google Drive | Microsoft.VirtualNetworkGateway... | databaseassess (sqlserver/databaseassess) | +

portal.azure.com/#@nagasaibatchu123outlook.onmicrosoft.com/resource/subscriptions/a7b0db54-0cb5-46ab-a28c-bc03dd36e26c/resourceGroups/sqlserver/providers/Microsoft.Sql/servers/sqlserver...

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

Home > Microsoft.SQLDatabase.newDatabaseExistingServerNewElasticPool_c3 >

databaseassess (sqlserver/databaseassess)

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
- Connection strings
- Sync to other databases
- Add Azure Search

Essentials

Resource group (change)	: sqlserver	Server name	: sqlserver.database.windows.net
Status	: Online	Elastic pool	: elasticpoolassess
Location	: East US 2	Connection strings	: Show database connection strings
Subscription (change)	: Free Trial	Pricing tier	: Elastic Basic
Subscription ID	: a7b0db54-0cb5-46ab-a28c-bc03dd36e26c	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: Max

Compute utilization

20%
15%
10%
5%
0%

Type here to search

12:18 28-08-2020