

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

- I have created a point to site VPN in eastus location

Virtual network gateways

Name	Virtual network	Gateway type	Resource group	Location	Subscription
pointtosite	vmimage-vnet	VPN	vmimage	East US	Free Trial

- I have created a root certificate and client certificate using windows powershell.

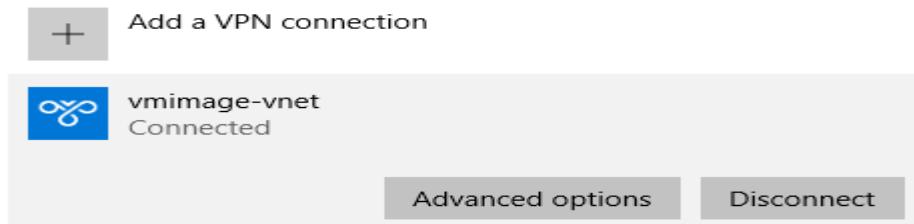
Issued To	Issued By	Expiration Date	Intended for
S-1-12-1-3237268386-11241949...	S-1-12-1-3237268386-1124194962...	05-08-2050	Smart Card
TESTHARI	TESTKVT	17-08-2021	Client Authentication
TESTKVT	TESTKVT	17-08-2021	<All>

- After that I export the root certificate and copy the key inside the certificate inorder to upload it in azure portal.

```
-----BEGIN CERTIFICATE-----
MIIC3zCCAcgAwIBAgIQF/8SN08MQqxFSHPoKj4zsZANBhkqhkig9w0BAQsFADAS
MRAwDgYDVQQDDAdURVNUS1ZUMB4XDTIwMDgxNzEzNTQyN1oXDTIxMDgxNzE0MTQy
N1owEjEQMA4GA1UEAwwHVEVTEtWVDCCASIwDQYJKoZIhvcNAQEBBQADggEPADCC
AQoCggEBAK1CMlwS7Rm99VU07zp2wHekb/kdvH+zCQ7qbPcTIXrpqvHYHFwfUrq+v
opONKtRpY9H7qkoe8jXXTG1/30mt/Oc41W1zGOCooWP9QBfHX/mmIL6oxk9EmrBI
fxW6fkT5L481HdUn87p7HoH8OyI71BI7361ixmo0UJcq8dnAjwzNwRe91nVIBg+U
k3RDGDOU//JbTdRR9UBRQ9WCxgl8VGX2FUsOUbbSjDFA+QdxicUq6PUVbk1PZtiz
eBrovQK81jk4jR0SpKRAMf4dG+z+vk61WcvC3ykbf/7bL1YOsZy1Lm2akUh1eZJ
oRFYyPd1QVRsIyV9QIDpmcPygyIHq00CAwEAAaMxMC8wDgYDVROPAQH/BAQDAgIE
MB0GA1UdDgQWBBSBbu4gCPd2NeEIJu2DV0gJ2AEuDDANBgkqhkiG9w0BAQsFAAOC
AQEATxCaesGj2BKFxX9i/srgBXqreEdAASnuCgu0usLcctk6kuChpNG/GE4PqAC
aNz8B8sYn09R70Q8CIjc2XW7QfSEq2jq5p/1f2YFH1vMPvQRh1vRIttT1g580SFe
VQ6//FGBEjucySTHbfW/FxJigtK3Sk1wl/GheeCsGzoHCpcw+BA8am0tVnA9MT+S
+9LzsUoApbst3yIbb3mKaLAXHq2+sEa+ePn+5USKx49SVYpYJNYIeLkyCnHtp8q
yYfd8YuLds569U42r5cW4s3gbt0NDzyJcX84oBNrePbSAL8tle9YtMHRs7VHMZj8
Ljob2tWhnYt9z61wXhkI8GIQ2g==
-----END CERTIFICATE-----
```

- After uploading root certificate in azure portal we need to connect VPN network in onpremises and try to access vm within the VPN.

## VPN



### Advanced Options

Allow VPN over metered networks



Allow VPN while roaming



- I am trying to connect virtual machine with private IP address within the virtual network connected to my personal laptop.

The screenshot shows the Azure portal interface for a virtual machine named "vmimage". On the left, there is a navigation menu with options like Home, Virtual machines, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking, Connect, Disks, Size, Security, Advisor recommendations, and Extensions. The "Networking" tab is currently selected under the "Properties" section. In the center, there is a "Windows Security" dialog box titled "Enter your credentials". It contains fields for "User name" (LAPTOP-H7OJU6DI\harikvt) and "Password" (harikvt), a "Remember me" checkbox, and "More choices" link. At the bottom of the dialog are "OK" and "Cancel" buttons. The background shows the VM details page with tabs for Overview, Monitoring, Capabilities, Recommendations (3), and Tutorials. The "Networking" tab is selected, displaying information about the VM's networking configuration, including its public and private IP addresses and the virtual network it is connected to.

## 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 two web applications in west us and central us as shown below.

The screenshot shows the Microsoft Azure App Services dashboard. At the top, there's a search bar and a navigation bar with options like Home, Refresh, Export to CSV, Open query, Assign tags, Start, Restart, Stop, Delete, and Feedback. Below the search bar, there are filters for Subscription (all), Resource group (all), Location (all), and Add filter. On the right, there are dropdowns for No grouping and List view. The main table lists two web apps:

Name	Status	Location	Pricing Tier	App Service Plan	Subscription	App Type	...
testwebhari1	Running	Central US	Premium V2	ASP-webapp-a100	Free Trial	Web App	...
testwebhari3	Running	West US	Premium V2	ASP-webapp-9829	Free Trial	Web App	...

- First I created a webapp named testwebhari1



- secondl created a webapp named testwebhari3



- Next I have created a traffic manager profile with priority routing method.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information (v.mupparaju@dx.com, DXC PRODUCTION). Below the navigation is the breadcrumb path: Home > Traffic Manager profiles > traffichari. The main content area displays the 'Traffic Manager pr...' profile for 'DXC Production'. The left sidebar contains navigation links: Add, Manage view, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Configuration, Real user measurements, Traffic view, Endpoints, Properties, Locks, and Export template. The right pane shows the 'Essentials' section with details: Resource group (change) to 'testtraffic1', DNS name 'http://traffichari.trafficmanager.net', Status 'Enabled', Monitor status 'Degraded', Subscription 'Free Trial', Subscription ID '87e9981d-2530-4c84-8c86-a313c43e5de7', and Tags (change) with a link to 'Click here to add tags'. Below this is a table titled 'Search endpoints' with columns: Name, Status, Monitor status, Type, and Priority. It lists two endpoints: 'endpoint1' (Enabled, Online, Azure endpoint, Priority 1) and 'endpoint2' (Enabled, Degraded, Azure endpoint, Priority 2).

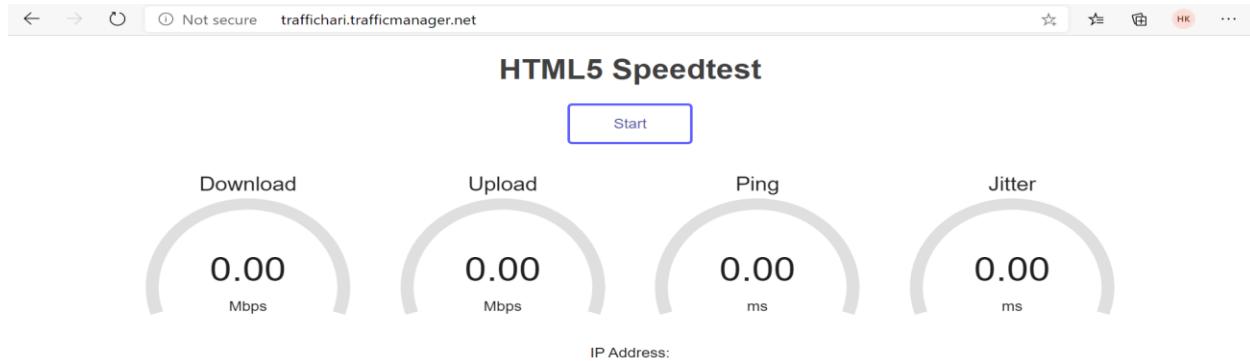
Name	Status	Monitor status	Type	Priority
endpoint1	Enabled	Online	Azure endpoint	1
endpoint2	Enabled	Degraded	Azure endpoint	2

- Then I put the applications under traffic manger with priority routing method by using endpoints.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information (v.mupparaju@dx.com, DXC PRODUCTION). Below the navigation is the breadcrumb path: Home > Traffic Manager profiles > traffichari. The main content area displays the 'Traffic Manager pr...' profile for 'DXC Production'. The left sidebar contains navigation links: Add, Manage view, Overview, Access control (IAM), Tags, Diagnose and solve problems, Configuration, Real user measurements, Traffic view, Endpoints (selected), Properties, Locks, and Export template. The right pane shows the 'Endpoints' section with a table titled 'Search endpoints' with columns: Name, Status, Monitor status, Type, and Priority. It lists two endpoints: 'endpoint1' (Enabled, Online, Azure endpoint, Priority 1) and 'endpoint2' (Enabled, Degraded, Azure endpoint, Priority 2).

Name	Status	Monitor status	Type	Priority
endpoint1	Enabled	Online	Azure endpoint	1
endpoint2	Enabled	Degraded	Azure endpoint	2

- After connecting to traffic manager profile I try to access the web apps using traffic manager url and it shows the testwebhari1 web app. Because it has priority 1



- Next I disable the 1st webapp and try to access the same url. Now it shows testwebhari3 webapp because the 1st webapp which has priority 1 is disabled and 2nd app has priority 2 so it opened

The screenshot shows the Azure portal interface for a Traffic Manager profile named 'traffichari'. On the left, there's a navigation menu with 'Traffic Manager profiles' selected. The main area displays the 'Endpoints' section for the 'traffichari' profile. It lists two endpoints:

Name	Status	Monitor status	Type	Priority
endpoint1	Disabled	Disabled	Azure endpoint	1
endpoint2	Enabled	Degraded	Azure endpoint	2

At the bottom, a browser window shows the URL [traffichari.trafficmanager.net](http://traffichari.trafficmanager.net), which is currently displaying a blank page.

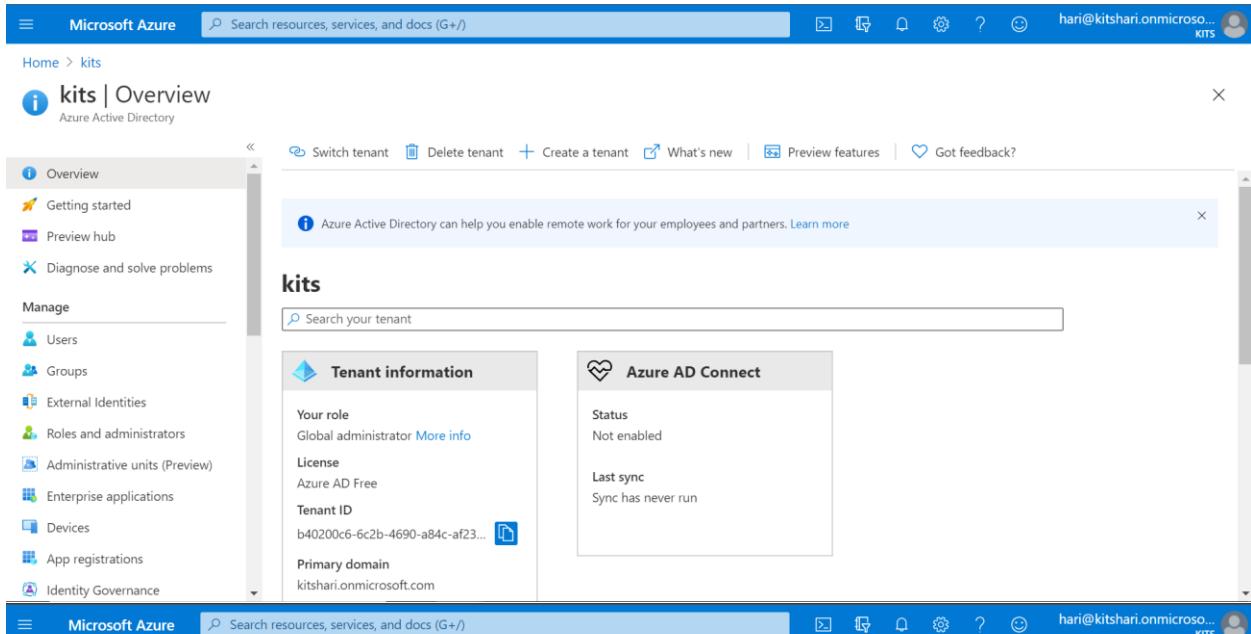
### 3.create a windows server with AD installed and integrate with Azure AD

- Here first I am creating tenant kits and switching to that tenant.

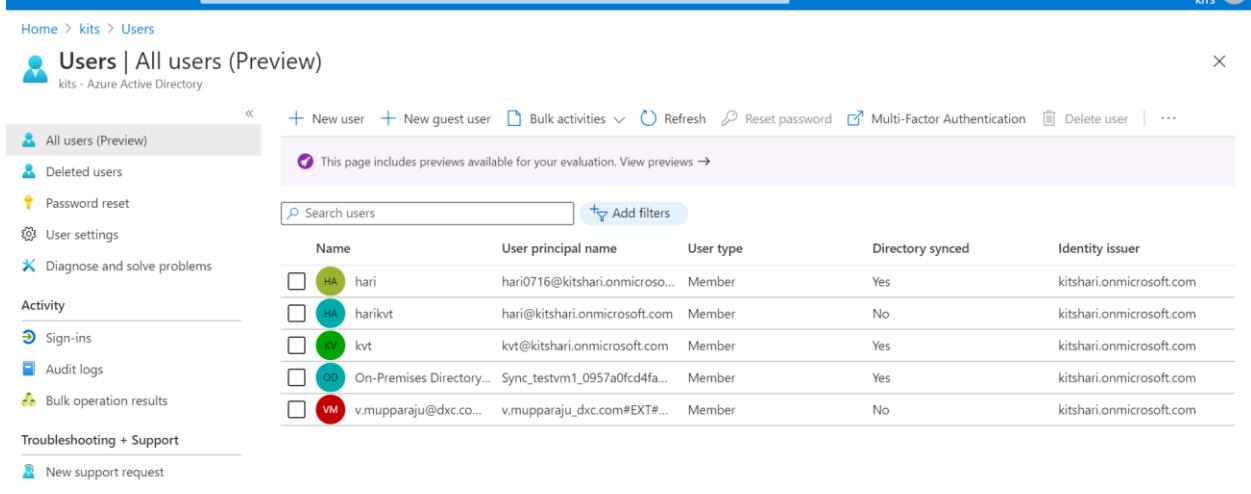
The screenshot shows the 'Create a tenant' configuration page in the Microsoft Azure portal. The 'Configuration' tab is selected. The 'Organization name' field contains 'Contoso Organization'. The 'Initial domain name' field contains 'contosoorg'. The 'Country/Region' dropdown is set to 'United States'. A checked checkbox indicates 'Datacenter location - United States'. Below the form, a note states 'Datacenter location is based on the country/region selected above.' At the bottom, there are 'Review + create' and 'Next : Review + create >' buttons.

The screenshot shows the 'Switch tenant (Preview)' interface in the Microsoft Azure portal. The 'kits' tenant is currently selected. Two tenants are listed: 'DXC Production' and 'kits'. Each tenant card has a 'Switch' button. The 'kits' card also has a star icon. At the top, there are navigation links for '+ Create', 'Refresh', 'Grid view', and 'Got feedback?'. Below the cards, there are tabs for 'All tenants', 'Favorite tenants', and 'Current tenant'. The 'All tenants' tab is selected.

- After I am creating user in new tenant and giving admin privileges to that user.



The screenshot shows the Azure Active Directory Overview page for the tenant 'kits'. The left sidebar includes links for Overview, Getting started, Preview hub, and Diagnose and solve problems. Under Manage, there are links for Users, Groups, External Identities, Roles and administrators, Administrative units (Preview), Enterprise applications, Devices, App registrations, and Identity Governance. The main content area displays Tenant information (Your role: Global administrator, License: Azure AD Free, Tenant ID: b40200c6-6c2b-4690-a84c-af23..., Primary domain: kitshari.onmicrosoft.com) and Azure AD Connect status (Status: Not enabled, Last sync: Sync has never run). A search bar at the top right says 'Search your tenant'.

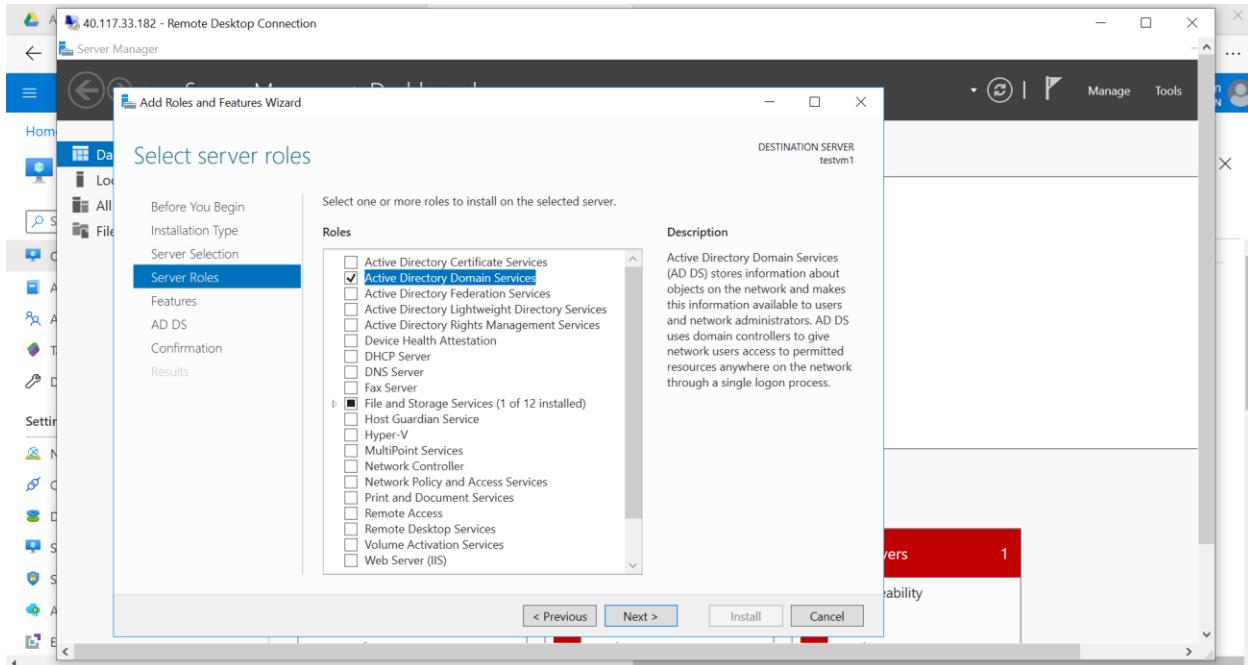
  


The screenshot shows the Azure Active Directory Users page. The left sidebar includes links for All users (Preview), Deleted users, Password reset, User settings, and Diagnose and solve problems. Under Activity, there are links for Sign-ins, Audit logs, and Bulk operation results. The main content area shows a table of users:

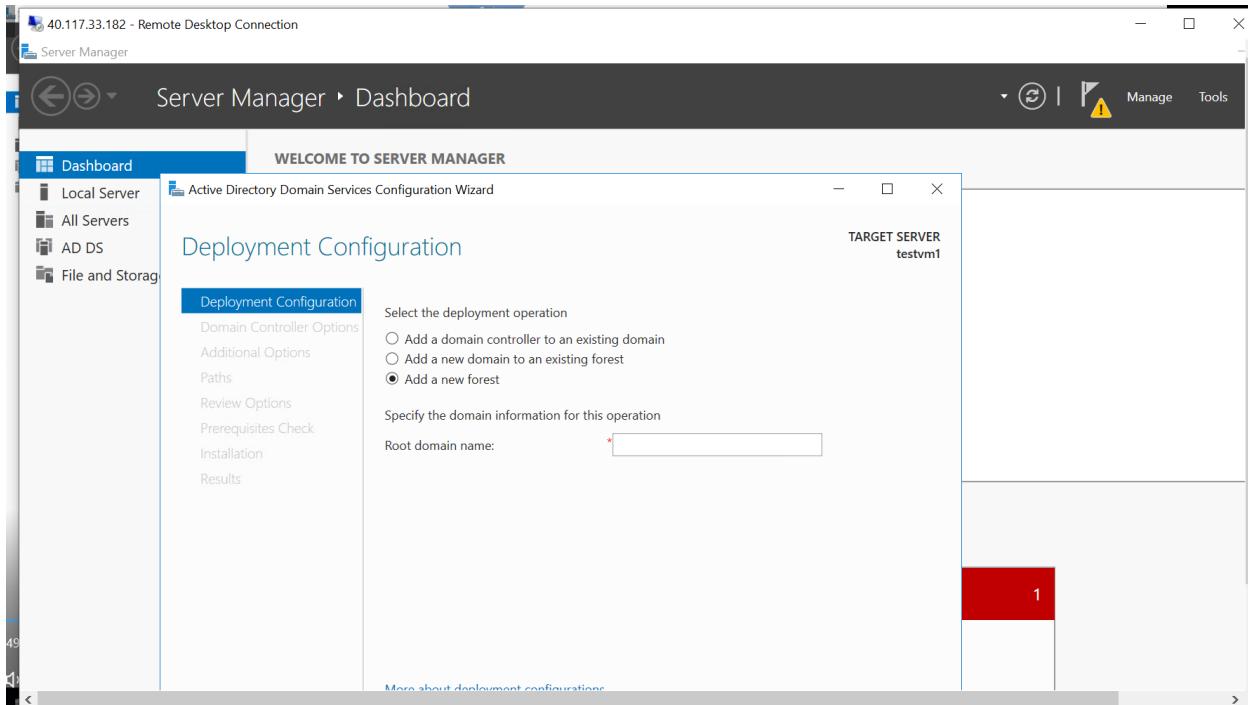
Name	User principal name	User type	Directory synced	Identity issuer
hari	hari0716@kitshari.onmicrosoft.com	Member	Yes	kitshari.onmicrosoft.com
harikvt	hari@kitshari.onmicrosoft.com	Member	No	kitshari.onmicrosoft.com
kvt	kvt@kitshari.onmicrosoft.com	Member	Yes	kitshari.onmicrosoft.com
On-Premises Directory...	Sync_testvm1_0957a0fc4fa...	Member	Yes	kitshari.onmicrosoft.com
VM	v.mupparaju@dxco...	Member	No	kitshari.onmicrosoft.com

A note at the top of the user list states: "This page includes previews available for your evaluation. View previews →". A search bar at the top right says 'Search users'.

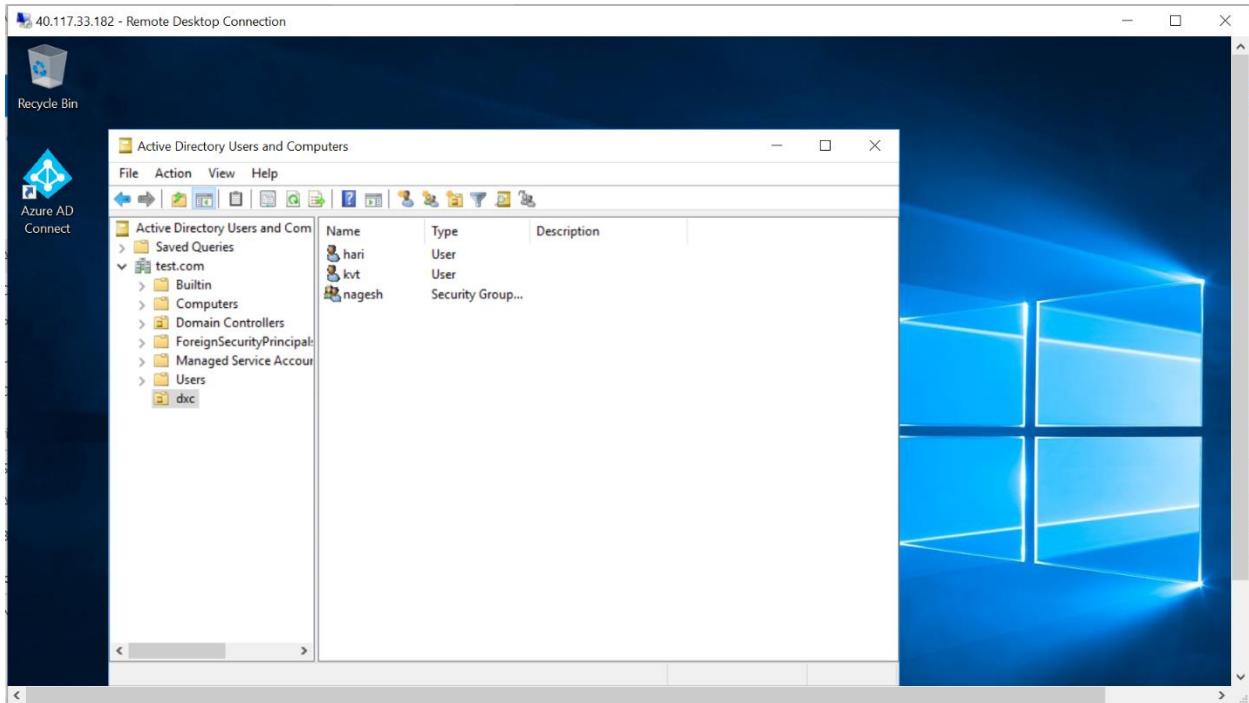
- After this we need to integrate windows AD with Azure AD



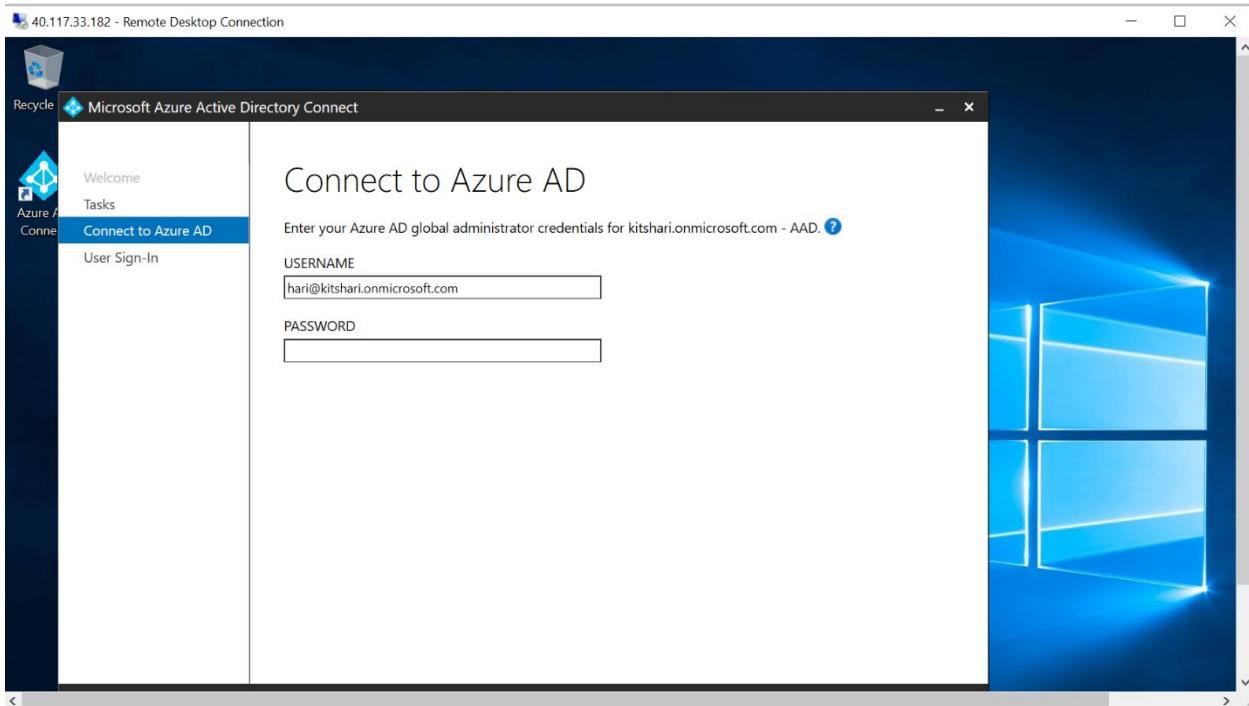
- We have to provide root domain name

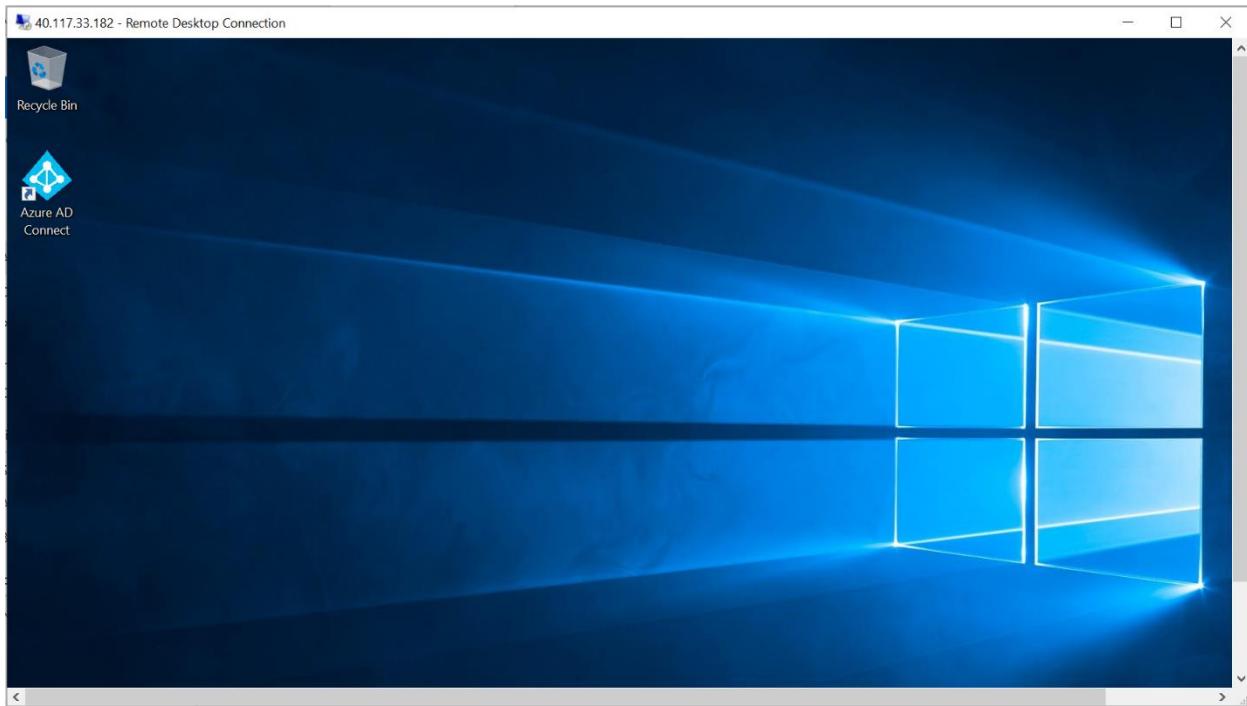


- After we have to create users and groups in vm. Here I installed two users and one group in the vm.



- After we have to download azure AD connect and integrate with windows AD.





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

Microsoft Azure Search resources, services, and docs (G+/-) v.mupparaju@dxco.com

Home > kits > Users

## Users | All users (Preview)

kits - Azure Active Directory

[All users \(Preview\)](#) [Deleted users](#) [Password reset](#) [User settings](#) [Diagnose and solve problems](#)

[Activity](#) [Sign-ins](#) [Audit logs](#) [Bulk operation results](#)

[Troubleshooting + Support](#) [New support request](#)

[New user](#) [New guest user](#) [Bulk activities](#) [Refresh](#) [Reset password](#) [Multi-Factor Authentication](#) [Delete user](#) | ...

This page includes previews available for your evaluation. View previews →

Name	User principal name	User type	Directory synced	Identity issuer
 hari	hari0716@kitshari.onmicrosoft.com	Member	Yes	kitshari.onmicrosoft.com
 harikvt	hari@kitshari.onmicrosoft.com	Member	No	kitshari.onmicrosoft.com
 kvt	kvt@kitshari.onmicrosoft.com	Member	Yes	kitshari.onmicrosoft.com
 On-Premises Directory...	Sync_testvm1_0957a0fc4fa...	Member	Yes	kitshari.onmicrosoft.com
 v.mupparaju@dxco...	v.mupparaju_dxco.com#EXT#...	Member	No	kitshari.onmicrosoft.com

## 4.configure a backup to the VM you installed AD:

- For backup the vm we need to create first recovery service vault
- Here I have created a recovery service vault named recovery.

The screenshot shows the Microsoft Azure Recovery Services vaults page. The left sidebar lists 'Recovery Services ...' under 'DXC Production'. A search bar at the top right contains 'recovery'. The main area shows the 'recovery' vault details. The 'Overview' tab is selected. Below it, the 'Essentials' section includes tabs for Overview, Backup, and Site Recovery. A 'What's new' section lists several Azure features. On the far right, there are icons for upgrading, deleting, and refreshing the vault.

- I am giving backup policy with 7 days retention period.

The screenshot shows the Microsoft Azure Recovery Services vaults page for the 'recovery' vault. The left sidebar shows 'DefaultPolicy' under 'Backup policy'. The main area displays the backup policy settings. It includes sections for 'Associated items', 'Modify', and 'Delete'. A link to 'Learn more and get FAQs about Backup policy' is present. The 'BACKUP FREQUENCY' section indicates daily backups at 11:00 PM UTC. The 'RETENTION RANGE' section specifies retaining daily backup points for 7 days.

- Here I have taken backup successfully for the vm AD(testvm1)

<https://portal.azure.com/#@93f33571-550f-43cf-b09f-cd331338d086/resource/subscriptions/87e9981d-2530-4c84-8c8...>

Microsoft Azure [Upgrade](#) Search resources, services, and docs (G+/-) v.mupparaju@dx.com DXC PRODUCTION

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

### testvm1

Backup Item

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

Alerts and Jobs	Backup status	Summary
<a href="#">View all Alerts</a> (last 24 hours)	Backup Pre-Check <span style="color: green;">Passed</span>	Recovery services vault <a href="#">recovery</a>
<a href="#">View all Jobs</a> (last 24 hours)	Last backup status <span style="color: green;">Success -</span>	Backup policy <a href="#">DefaultPolicy</a>
		Oldest restore point 8/28/2020, 8:08:29 PM (14 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, 8:08:29 PM	Application Consistent	Snapshot	...

## 5.configure alerts for the VM:

- For configuring alerts to vm we can do it in vm or we can do by using monitoring.  
Here I am doing in vm.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information (v.mupparaju@dxc.com, DXC PRODUCTION). Below the navigation is a breadcrumb trail: Home > Virtual machines > testvm. The main content area is titled "testvm | Alerts" and shows a message: "All is good! You have no alerts." A pie chart graphic is displayed below the message. On the left, a sidebar menu lists monitoring options: Change tracking, Configuration management (P...), Policies, Run command, Monitoring (with Insights, Alerts selected, Metrics, Diagnostic settings, Logs, Connection monitor), Support + troubleshooting, and Resource health.

- I am using the condition if cpu percentage is greater than the 2% then it has to give alerts.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information (v.mupparaju@dxc.com, DXC PRODUCTION). Below the navigation is a breadcrumb trail: Home > Virtual machines > testvm > Rules > cpu limit is exceed. The main content area is titled "Configure signal logic" for the rule "cpu limit is exceed".  
**Condition**: Configure when the alert rule should trigger by selecting a signal and a condition name. A condition is selected: "Whenever the average percentage cpu is greater than 1 %".  
**Action group**: Send notifications or invoke actions when the alert rule triggers, by selecting an action group. An action group is selected: "alertinghari".  
**Configure signal logic**:

- Signal**: Percentage CPU (Avg) testvm, value: 3.2779 %.
- Alert logic**:
  - Threshold**: Static (selected), Dynamic.
  - Operator**: Greater than.
  - Aggregation type**: Average.
  - Threshold value**: 1 %.
- Condition preview**: Whenever the average percentage cpu is greater than 1 %.
- Evaluated based on**: Aggregation granularity (Period): 5 minutes, Frequency of evaluation: Every 1 Minute.

A "Done" button is located at the bottom of the configuration pane.

- I am using notification type email/sms and I am giving my mail-id

**Email/SMS message/Push/Voice**

Add or edit an Email/SMS/Push/Voice action

Email \* harikvt44@gmail.com

SMS (Carrier charges may apply)  
Country code 1

Phone number

Azure app Push Notifications  
Azure account email

Voice  
Country code 1

Phone number

Enable the common alert schema. [Learn more](#)

Yes No

OK

- Here I have created a alert rule for vm.

**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 \* Resource group Resource type Resource Signal type Status

Free Trial testvm Virtual machines testvm All signal types Enabled

Selected subscriptions > testvm > 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 limit is exceed	Whenever the average percenta... <input checked="" type="checkbox"/> Enabled		testvm	virtual machines	Metrics

- Here I have received a alert when cpu percentage is exceeded by 1%

**⚠ Your Azure Monitor alert was triggered**

Azure monitor alert rule cpu limit is exceed was triggered for testvm at August 28, 2020 8:23 UTC.

Alert rule description	please resolve this
Rule ID	/subscriptions/87e9981d-2530-4c84-8c86-a313c43e5de7/resourceGroups/testvm/providers/microsoft.insights/metricAlerts/cpu%20limit%20is%20exceed <a href="#">View Rule &gt;</a>
Resource ID	/subscriptions/87e9981d-2530-4c84-8c86-a313c43e5de7/resourceGroups/testvm/providers/Microsoft.Compute/virtualMachines/testvm <a href="#">View Resource &gt;</a>

**Alert Activated Because:**

Metric name	Percentage CPU
Metric namespace	virtualMachines/testvm
Dimensions	microsoft.resourceId = /subscriptions/87e9981d-2530-4c84-8c86-a313c43e5de7/resourceGroups/testvm/providers/Microsoft.Compute/virtualMachines/testvm microsoft.resourceType = Microsoft.Compute/virtualMachines
Time Aggregation	Average
Period	Over the last 5 mins
Value	12.805
Operator	GreaterThan
Threshold	1
Criterion Type	StaticThresholdCriterion

- Here my alert rule is resolved.

**✓ Your Azure Monitor alert was resolved**

Azure monitor alert rule cpu limit is exceed was resolved for testvm at August 28, 2020 8:37 UTC.

Alert rule description	please resolve this
Rule ID	/subscriptions/87e9981d-2530-4c84-8c86-a313c43e5de7/resourceGroups/testvm/providers/microsoft.insights/metricAlerts/cpu%20limit%20is%20exceed <a href="#">View Rule &gt;</a>
Resource ID	/subscriptions/87e9981d-2530-4c84-8c86-a313c43e5de7/resourceGroups/testvm/providers/Microsoft.Compute/virtualMachines/testvm <a href="#">View Resource &gt;</a>

**Alert deactivated because one of the following conditions is no longer true:**

## **6.Apply any security policy to the subscription:**

- Security policy for subscription is applied by azure security center.

Microsoft Azure

Search: security center

Azure services

Recent resources

Marketplace

Documentation

Resource Groups

No results were found.

Searching all subscriptions. Change

An hour ago

Navigate

- In security center first we click on getting started.

Microsoft Azure

Search: Search resources, services, and docs (G/)

Home > Security Center

Security Center | Getting started

Showing subscription 'Free Trial'

Upgrade Install Agents Get Started

Overview Getting started Pricing & settings Community Workflow automation Inventory (Preview)

POLICY & COMPLIANCE

Coverage Secure Score Security policy Regulatory compliance

RESOURCE SECURITY HYGIENE

Recommendations

Enable Security Center standard tier on your subscriptions.  
Get started with 30-day free trial

Upgrade to get advanced capabilities including hybrid support, networking, security policies, just-in-time administration and adaptive application controls. [Learn more >](#)

Cloud security posture management

Cloud workload protection for VMs

Advanced threat protection for PaaS

- After that we can select security policy in security center.

The screenshot shows the Microsoft Azure Security Center Policy Management interface. On the left, there's a sidebar with navigation links like 'Home', 'Security Center', 'POLICY & COMPLIANCE' (which is selected), 'Secure Score', 'Security policy' (which is also selected), and 'Regulatory compliance'. Below that is 'RESOURCE SECURITY HYGIENE' with links for 'Recommendations', 'Compute & apps', 'Networking', 'IoT Hubs & resources', 'Data & storage', 'Identity & access', and 'Security solutions'. The main content area is titled 'Policy Management' and shows '1 MANAGEMENT GROUPS' and '1 SUBSCRIPTIONS'. It lists 'Tenant Root Group (1 of 1 subscriptions)' with a key icon labeled 'Free Trial'. A search bar at the top right says 'Search resources, services, and docs (G+/-)'.

- After select free trial .

The screenshot shows the Microsoft Azure Security Center Security policy page for the 'Free Trial' subscription. At the top, it says 'Home > Security Center > Free Trial'. There's a message: 'To view "Industry & regulatory" standards, upgrade Security Center to the Standard Plan →'. Below that, it says 'Compliance policies that you can view in the compliance dashboard. To add more compliance standards, click Add more standards.' A button 'Add more standards' is shown. The main section is titled 'Your custom initiatives' and lists a single item: 'backup-policy'. There's a 'Delete' button next to it. A blue button at the bottom says 'Add a custom initiative'.

- Then add custom initiatives.

The screenshot shows the 'Initiative definition' page in the Microsoft Azure portal. A new initiative named 'backup' is being created. The 'Category' dropdown is set to 'Create new'. In the 'AVAILABLE DEFINITIONS' pane, two built-in policy definitions are listed: 'Audit virtual machines without disaster recovery configured' and 'Azure Backup should be enabled for Virtual Machines'. Both policies are described as 'Built-in' and provide links for more information. At the bottom of the page are 'Save' and 'Cancel' buttons.

- Here I am adding azure backup condition should be enabled for virtual machines.  
Then we have to add that policy to free trail.

The screenshot shows the 'Add custom initiatives' page. A search bar at the top contains the text 'backup-policy'. Below it, a table lists one item: 'backup-policy' with a status of 'Not assigned' and an 'Add' button. The page also includes instructions for creating or adding existing initiatives.

Home > Security Center >

## Security policy

Free Trial

To view "Industry & regulatory" standards, upgrade Security Center to the Standard Plan →

Compliance policies that you can view in the compliance dashboard. To add more compliance standards, click **Add more standards**.

Add more standards

Your custom initiatives

Custom initiative policies which you have created which are available in the **Recommendations** page. To add another custom initiative policy, click **Add a custom initiative**.

backup-policy

Delete

Add a custom initiative



- After that we need to check whether the policy is added to our subscription or not. For that we have go to subscriptions and select policies and check.

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

Home > Subscriptions > Free Trial > Policy

## Policy | Compliance

Search (Ctrl+/)

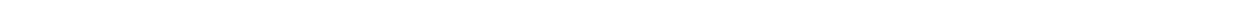
Assign policy Assign initiative Refresh

Scope: Free Trial Type: All definition types Compliance state: All compliance states

Overall resource compliance: 0% Non-compliant initiatives: 1 Non-compliant policies: 30

Non-compliant resources: 5

Name	Scope	Compliance state	Resource compli...	Non-Compliant Res...	Non-compliant poli...
ASC Default (subscription)	Free Trial	Non-compliant	0% (0 out of 5)	5	30
backup-policy	Free Trial	Not started	100% (0 out of 0)	0	0



- Here the security policy is added to my free trial subscription.

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

- For creating the SQL database first we need to create SQL server. After that we can create SQL database.
- Here first I have created SQL server.

The screenshot shows the Microsoft Azure portal interface. At the top, there's a search bar and a user profile. Below it, the URL indicates the user is on the 'Microsoft.SQLServer.createServer' page for a resource named '9f72a2a9c2af41caa9f13860a2ad119'. The main content area is titled 'harisql' and shows the 'Overview' blade. On the left, there's a sidebar with links like 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Quick start', 'Failover groups', 'Manage Backups', 'Active Directory admin', 'SQL databases', 'SQL elastic pools', and 'Deleted databases'. The 'Essentials' blade on the right provides details about the resource group ('testsql'), status ('Available'), location ('East US'), subscription ('Free Trial'), and server name ('harisql.database.windows.net'). It also includes sections for 'Active Directory admin' and 'Advanced data security'.

- After creating SQL server we have to create SQL database. In SQL server we can find a option create database, by selecting that option we can create database.
- Here in the following diagram I am creating database with elasticpool.

The screenshot shows the 'Create SQL Database' wizard in the Microsoft Azure portal. The first step, 'Set database name', has 'Database name\*' set to 'haridb' and 'Server' set to 'harisql (East US)'. The second step, 'Want to use SQL elastic pool?', has 'Yes' selected and 'Elastic pool\*' set to '(new) haripool'. The third step, 'Compute + storage', shows a 'Basic' plan with '50 eDTUs, 4.88 GB, 0 databases' and a 'Configure elastic pool' link. At the bottom, there are 'Review + create' and 'Next : Networking >' buttons.

- Here I am selecting basic elasticpool with size 4.88GB and 50DTUs

Home > Microsoft.SQLServer.createServer\_9f72a2a9c2af41caa9f13860a2ad119 > harisql > Create SQL Database >

### Configure

[Feedback](#)

Basic	Standard	Premium
For less demanding workloads	For workloads with typical performance requirements	For IO-intensive workloads. Not available ⓘ
Starting at 4958.54 INR / month	Starting at 7427.57 INR / month	Starting at 46102.13 INR / month

**Pool settings** Per database settings

eDTUs ⓘ

50 100 200 300 400 800 1200 1600 **50 DTUs**

Data max size ⓘ

**4.88 GB**

[Check it out](#) [Not now](#)

We have a new way to configure your elastic pool.

What's new:

- Azure Hybrid Benefit for SQL Server
- Independent control of storage costs
- Transparency of hardware configuration
- Make your pool zone redundant

Cost summary

Cost over DTU (in INR)

[Apply](#)

- Here I have created a database with elasticpool.

Microsoft Azure [Search resources, services, and docs \(G+\)](#)

Home > SQL servers > harisql > **haridb (harisql/haridb)** ✎

SQL database

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**Overview**

Resource group (change) testsq1

Status Online

Location East US

Subscription (change) Free Trial

Subscription ID 87e9981d-2530-4c84-8c86-a313c43e5de7

Tags (change) Click here to add tags

Show data for last: **1 hour** 24 hours 7 days

Compute utilization

100%

Aggregation type: Max