

# Assessment-2

1. Creating a P-T-S VPN in westUS with the name **saivpn** and attach a VM to it.

The image displays two screenshots of the Microsoft Azure portal interface, showing the configuration of a P-T-S VPN named 'saivpn'.

**Top Screenshot: Overview of the 'saivpn' Virtual network gateway.**

- Resource group:** testnet
- Location:** West US
- Subscription:** Free Trial
- Subscription ID:** 03662a90-d3c6-45e5-978a-f98aff5399ef
- SKU:** Basic
- Gateway type:** VPN
- VPN type:** Route-based
- Virtual network:** testvm1
- Public IP address:** - (gatewayip)

**Health check:** Perform a quick health check to detect possible gateway issues. [Go to Resource health](#)

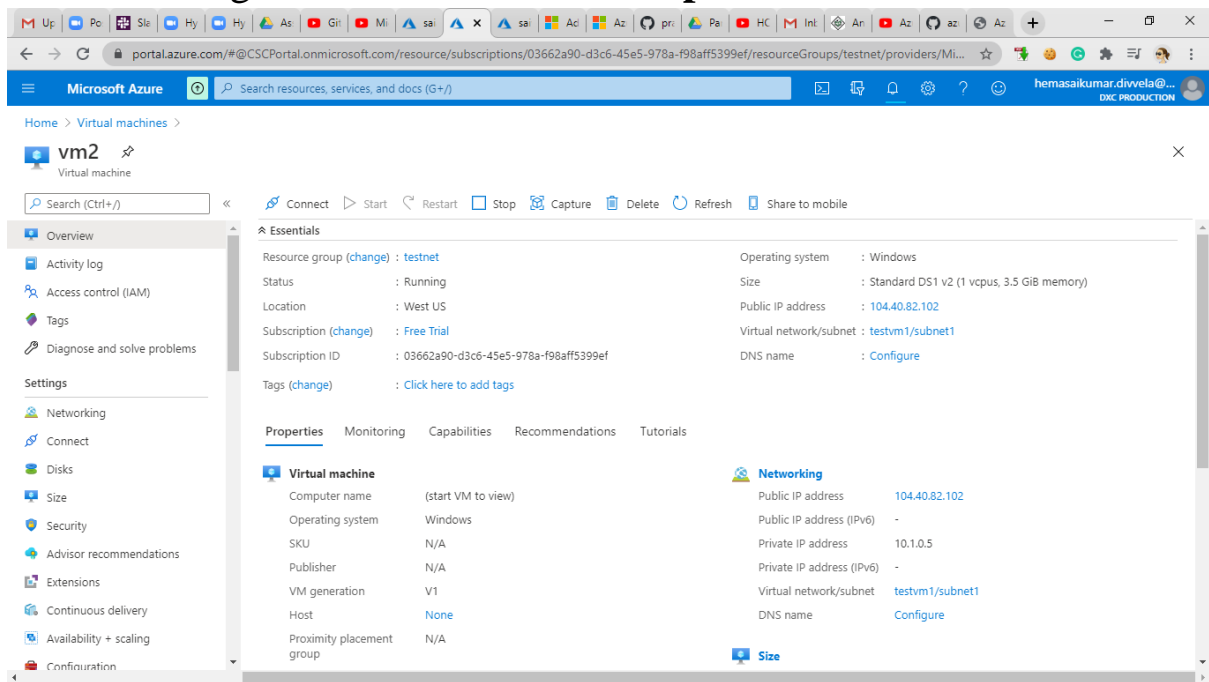
**Documentation:** View guidance on helpful topics related to VPN gateway. [View documentation](#)

**Monitoring:** Show data for last 1 hour, 6 hours, 12 hours, 1 day, 7 days, 30 days. Metrics include Total tunnel ingress and Total tunnel egress.

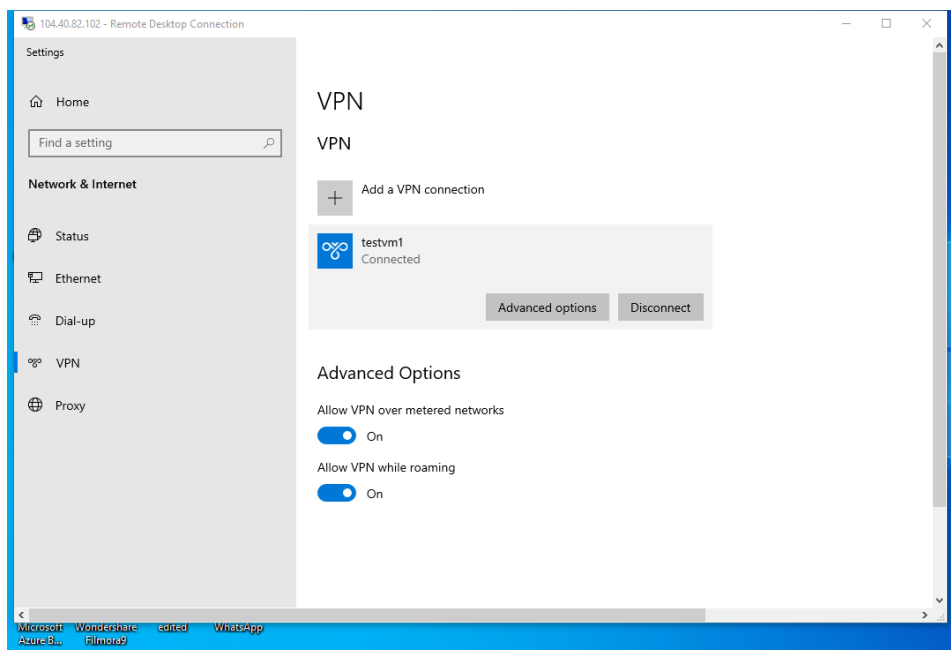
**Bottom Screenshot: 'saivpn | User VPN configuration' page.**

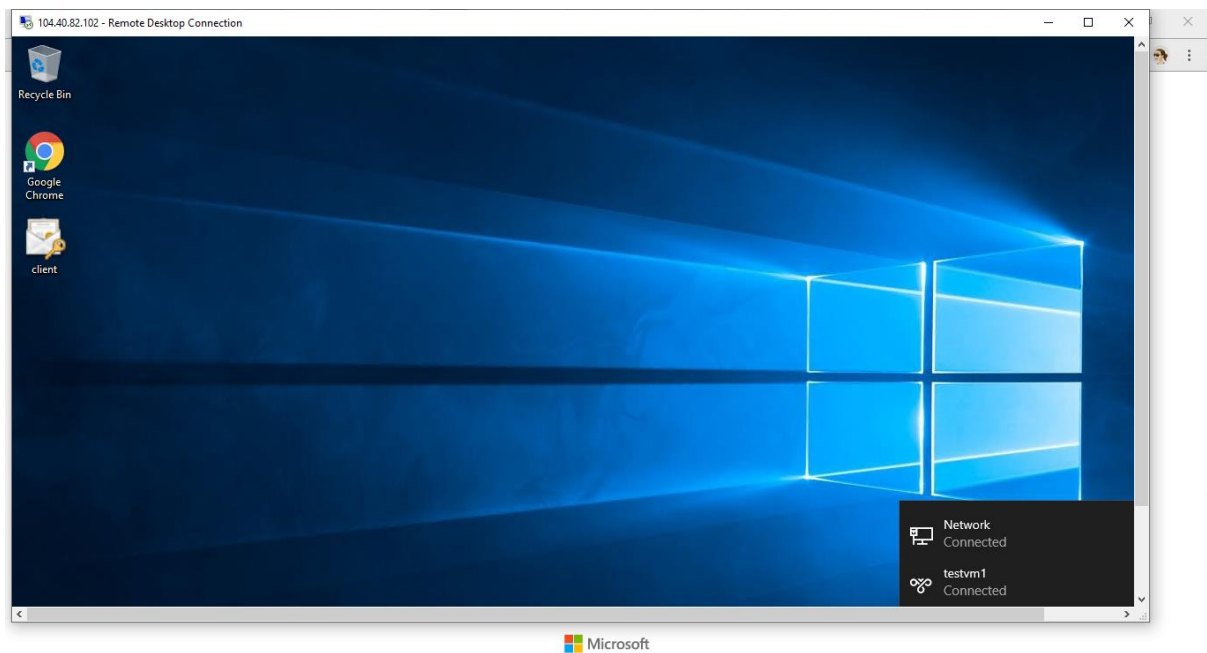
- Address pool:** 22.2.0.0/16
- Root certificates:** Name: SAIRoot, Public certificate data: MIIC3zCCAcegAwIBAgIQEeRa4o6d67tNZclV7nzDJ/DANBgkqhkiG9w0BAQ...
- Revoked certificates:** Name, Thumbprint
- Allocated IP addresses:**

I am attaching the below vm to the saivpn.

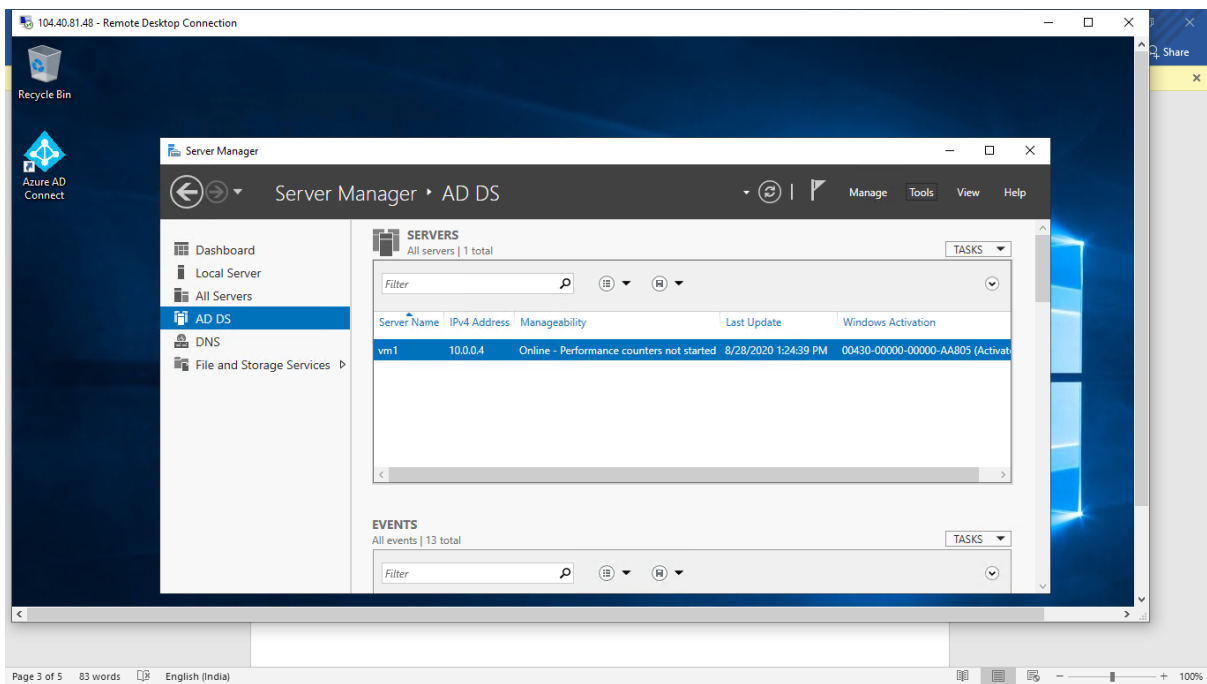


installing and configuring the vpn and connect the vpn to this vm.





### 3. creating the windows server and installing AD



and integrating windows server with Azure AD.

vm1 - Microsoft Azure | administrator - Microsoft Azure | Users - Microsoft Azure

https://portal.azure.com/#blade/Microsoft\_AAD\_IAM/UsersManagementMenuBlade/MsGraphUsers

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

admin1@hits13.onmicr... HITS

Home > hits > Users

### Users | All users (Preview)

hits - Azure Active Directory

+ New user + New guest user Bulk activities Refresh Reset password Multi-Factor Authentication Delete user Columns

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

Search users Add filters

	Name	User principal name	User type	Directory synced	Identity issuer
<input type="checkbox"/>	administrator	admin1@hits13.onmicrosoft.com	Member	No	hits13.onmicrosoft.com
<input type="checkbox"/>	divvelahemasai...@o...	admin_DXCTechnologies926.on...	Member	No	hits13.onmicrosoft.com
<input type="checkbox"/>	On-Premises Directory Sy...	Sync_vm1_171f3284ce00@hits1...	Member	Yes	hits13.onmicrosoft.com

4.configuring the backup to the VM installed AD.

vm1 - Microsoft Azure x Create SQL Database Server - M x administrator - Microsoft Azure x Users - Microsoft Azure x +

https://portal.azure.com/#@d4cfbad6-46b8-4493-834f-11880e979ff6/resource/subscriptions/3cfd6623-57db-4b3e-8fac-ef9761da5... ☆ ☆

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

divvelahemasakumar@... DMC TECHNOLOGIES

Home > Microsoft.RecoveryServicesV2 > saivault > Backup Items (Azure Virtual Machine) >

**vm1**  
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 ⚠ Warning(initial backup pending)

**Summary**  
 Recovery services vault [saivault](#)  
 Backup policy [DefaultPolicy](#)  
 Oldest restore point -

**Restore points**

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

CRASH CONSISTENT  
0

APPLICATION CONSISTENT  
0

FILE-SYSTEM CONSISTENT  
0

Time	Consistency	Recovery Type
No restore points available.		

https://portal.azure.com/#

Backup jobs - Microsoft Azure x Create SQL Database Server - M x administrator - Microsoft Azure x Users - Microsoft Azure x +

https://portal.azure.com/#@d4cfbad6-46b8-4493-834f-11880e979ff6/resource/subscriptions/3cfd6623-57db-4b3e-8fac-ef9761da5... ☆ ☆

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

divvelahemasakumar@... DMC TECHNOLOGIES

Home > Microsoft.RecoveryServicesV2 > saivault > Backup Items (Azure Virtual Machine) > vm1 >

**Backup jobs**

Choose columns Filter Export jobs Refresh View jobs in secondary region

Filtered by: Item Type - All item types, Operation - All Operations, Status - All Status, Start Time - 8/27/2020, 6:58:18 PM, End Time - 8/28/2020, 6:58:18 PM

Completed fetching data from the service.

Workload name	Operation	Status	Type	Start time	Duration
vm1	Backup	✔ Completed	Azure virtual machine	8/28/2020, 6:57:32 PM	00:51:15
vm1	Configure backup	✔ Completed	Azure virtual machine	8/28/2020, 6:51:32 PM	00:00:41

## 5.configuring alerts for the VM.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo and a search bar. The left sidebar contains various navigation options like Home, Virtual machines, Alerts, Metrics, Diagnostic settings, Logs, Connection monitor, Support + troubleshooting, Resource health, Boot diagnostics, Performance diagnostics, Reset password, Redeploy, and Maintenance.

The main content area is titled "vm2 | Alerts" and shows a message "All is good! You have no alerts." with a 3D bar chart. Below this, the "Rules" section is visible, showing a table with one rule named "alert1".

**Rules Table:**

Name	Condition	Status	Target resource	Target resource type	Signal type
alert1	Whenever the average percentage...	Enabled	vm2	virtual machines	Metrics

6. Applying the security policy to the subscription.

The image displays two screenshots of the Microsoft Azure Security Center console, illustrating the configuration and details of a security initiative named 'security'.

**Top Screenshot: 'security' Initiative Configuration**

The top screenshot shows the 'security' initiative configuration page. The breadcrumb navigation is 'Home > Security Center > Security policy > Add custom initiatives >'. The page title is 'security' with a sub-header 'Assign initiative'. The 'Basics' tab is selected, showing the 'Initiative definition' section. The 'Scope' is set to 'Free Trial'. The 'Assignment name' is 'security'. The 'Description' field is empty. The 'Review + create' button is visible at the bottom.

**Bottom Screenshot: 'security' Initiative Details**

The bottom screenshot shows the 'security' initiative details page. The breadcrumb navigation is 'Home > Security Center > Security policy >'. The page title is 'security' with a sub-header 'Initiative Definition'. The 'Assign' button is visible. The 'Essentials' section shows the following details:

- Name: security
- Description: --
- Category: backup
- Version: --
- Definition location: Free Trial
- Definition ID: /subscriptions/03662a90-d3c6-45e5-978a-f98aff5399ef/providers/microsoft.author...
- Type: Custom

The 'Policies' section shows 'Assignments (1)'. The 'Scope' is 'Free Trial'. The 'Search' field is 'Filter by name or ID...'. The table below shows the assignment details:

name	Scope	Assigned by
security	Free Trial	Hema Sai Kumar Divvela

7.creating a SQL server with database installed and added elastic pool to the server.

vm1 - Microsoft Azure x saitest13 - Microsoft Azure x +

https://portal.azure.com/#@d4cfbad6-46b8-4493-834f-11880e979ff6/resource/subscriptions/3cfd6623-57db-4b3e-8fac-ef976...

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

divvelahemasakumar@... DMC TECHNOLOGIES

Home > Microsoft.SQLServer.createServer\_Ba301310cc214885aa364c226b08636 >

**saitest13** SQL server

Search (Ctrl+/) << + Create database + New elastic pool + New Synapse SQL pool (data warehouse) Import database Reset password Move Delete

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
- Import/Export history
- DTU quota
- Properties

Essentials

Resource group (change) : myresourcegrp	Server admin : server_admin
Status : Available	Firewalls and virtual netw... : <a href="#">Show firewall settings</a>
Location : West US	Active Directory admin : <a href="#">Not configured</a>
Subscription (change) : <a href="#">Free Trial</a>	Server name : saitest13.database.windows.net
Subscription ID : 3cfd6623-57db-4b3e-8fac-ef9761da598c	
Tags (change) : <a href="#">Click here to add tags</a>	

Notifications (0) Features (6)

All Security (4) Performance (1) Recovery (1)

**Active Directory admin**

Allows you to centrally manage identity and access to your Azure SQL databases.

**NOT CONFIGURED**

**Advanced data security**

Data Discovery & Classification, Vulnerability Assessment and Advanced Threat Protection.

**NOT CONFIGURED**

**Automatic tuning**

Monitors and tunes your database automatically to optimize performance.

**CONFIGURED**

**Auditing**

Track database events and writes them to an audit log in Azure storage.

**NOT CONFIGURED**

vm1 - Microsoft Azure x saitest13 - Microsoft Azure x +

https://portal.azure.com/#@d4cfbad6-46b8-4493-834f-11880e979ff6/resource/subscriptions/3cfd6623-57db-4b3e-8fac-ef9761da5...

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

divvelahemasakumar@... DMC TECHNOLOGIES

Home > SQL servers >

**saitest13** SQL server

Search (Ctrl+/) << + Create database + New elastic pool + New Synapse SQL pool (data warehouse) Import database Reset password Move Delete

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
- Import/Export history
- DTU quota
- Properties

Essentials

Resource group (change) : myresourcegrp	Server admin : server_admin
Status : Available	Firewalls and virtual netw... : <a href="#">Show firewall settings</a>
Location : West US	Active Directory admin : <a href="#">Not configured</a>
Subscription (change) : <a href="#">Free Trial</a>	Server name : saitest13.database.windows.net
Subscription ID : 3cfd6623-57db-4b3e-8fac-ef9761da598c	
Tags (change) : <a href="#">Click here to add tags</a>	

Notifications (0) Features (6)

All Security (4) Performance (1) Recovery (1)

**Active Directory admin**

Allows you to centrally manage identity and access to your Azure SQL databases.

**NOT CONFIGURED**

**Advanced data security**

Data Discovery & Classification, Vulnerability Assessment and Advanced Threat Protection.

**NOT CONFIGURED**

**Automatic tuning**

Monitors and tunes your database automatically to optimize performance.

**CONFIGURED**

**Auditing**

Track database events and writes them to an audit log in Azure storage.

**NOT CONFIGURED**



vm1 - Microsoft Azure

elastic1 (saitest13/elastic1) - Mic

+

←

→

↺

https://portal.azure.com/#@d4cfbad6-46b8-4493-834f-11880e979ff6/resource/subscriptions/3cfd6623-57db-4b3e-8fac-ef9761da5...

☆

★

🔍

⌵

⋮

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

📧

🔔

⚙️

?

😊

divvelahemasakumar@...  
DXC TECHNOLOGIES

Home > SQL servers > saitest13 >

elastic1 (saitest13/elastic1)  
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

Metrics

Diagnostic settings

Essentials

Resource group (change) : myresourcegrp

Status : Ready

Location : West US

Subscription (change) : Free Trial

Subscription ID : 3cfd6623-57db-4b3e-8fac-ef9761da598c

Tags (change) : Click here to add tags

Server name : saitest13.database.windows.net

Resource configuration ... : Standard: 100 eDTUs

Elastic databases : 1 database

Elastic database settings : 0-100 eDTUs

Show data for last: 1 hour 24 hours 7 days

Aggregation type: Max

Resource utilization (elastic1)

2. creating the two web application in west us with the name **sai1** and in central Us with the name **sai2**.

The image displays two screenshots of the Microsoft Azure portal, showing the configuration of two web applications, **sai1** and **sai2**.

**Screenshot 1 (Top):** Shows the configuration for **sai1** (App Service). The location is **West US**. The URL is <https://sai1.azurewebsites.net>. The App Service Plan is **ASP-testnet-8001 (P1v2: 1)**. The FTP/deployment username is **No FTP/deployment user set**. The FTP hostname is **ftp://waws-prod-bay-139.ft.azurewebsites.windo...**. The FTPS hostname is **ftps://waws-prod-bay-139.ft.azurewebsites.windo...**.

**Screenshot 2 (Bottom):** Shows the configuration for **sai2** (App Service). The location is **Central US**. The URL is <https://sai2.azurewebsites.net>. The App Service Plan is **ASP-testnet1-95b1 (P1v2: 1)**. The FTP/deployment username is **No FTP/deployment user set**. The FTP hostname is **ftp://waws-prod-dm1-135.ft.azurewebsites.windo...**. The FTPS hostname is **ftps://waws-prod-dm1-135.ft.azurewebsites.wind...**.

and then attaching these apps to the traffic manager with Priority routing method.

U P S H A G Y N s v N s A s A A P Y F L A A a A s

portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/03662a90-d3c6-45e5-978a-f98aff5399ef/resourcegroups/testapp/providers/Mi...

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

hemasakumar.diwela@... IDC PRODUCTION

Home >

tmp

Traffic Manager profile

Search (Ctrl+/)

Enable profile Disable profile Refresh Move Delete profile

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

Metrics

Essentials

Resource group (change) : testapp

Status : Enabled

Subscription (change) : Free Trial

Subscription ID : 03662a90-d3c6-45e5-978a-f98aff5399ef

Tags (change) : Click here to add tags

DNS name : http://tmp.trafficmanager.net

Monitor status : Unknown

Routing method : Priority

Search endpoints

Name	↑↓	Status	↑↓	Monitor status	↑↓	Type	↑↓	Priority	↑↓
endpoint1		Enabled		Checking endpoint		Azure endpoint		1	
endpoint2		Enabled		Checking endpoint		Azure endpoint		2	