Windows PowerShell Get-Help on Cmdlet 'Get-AzNetworkServiceTag'

PS:\>Get-HELP Get-AzNetworkServiceTag -Full

WARNING: The names of some imported commands from the module 'Microsoft.Azure.PowerShell.Cmdlets.Network' include unapproved verbs that might make them less discoverable.

To find the commands with unapproved verbs, run the Import-Module command again with the Verbose parameter. For a list of approved verbs, type Get-Verb.

NAME

Get-AzNetworkServiceTag

SYNOPSIS

Gets the list of service tag information resources.

SYNTAX

Get-AzNetworkServiceTag [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location <System.String>

[<CommonParameters>]

DESCRIPTION

The Get-AzNetworkServiceTag cmdlet gets the list of service tag information resources.

Please note that the Azure region information you specify will be used as a reference for version (not as a filter based on location). For example, even if you

specify `-Location eastus2` you will get the list of service tags with prefix details across all regions but limited to the cloud that your subscription belongs to

(i.e. Public, US government, China or Germany).

PARAMETERS

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

The credentials, account, tenant, and subscription used for communication with Azure.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Location <System.String>

The location that will be used as a reference for version (not as a filter based on location, you will get the list of service tags with prefix details across all

regions but limited to the cloud that your subscription belongs to).

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug,

ErrorAction, ErrorVariable, WarningAction, WarningVariable,

OutBuffer, PipelineVariable, and OutVariable. For more information, see

about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSNetworkServiceTag

NOTES

---------- Example 1 ----------

```
$serviceTags = Get-AzNetworkServiceTag -Location eastus2
$serviceTags

Name         : Public
Id           : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxx/providers/Microsoft.Network/serviceTags/Public
Type         : Microsoft.Network/serviceTags
ChangeNumber : 63
Cloud        : Public
Values       : {ApiManagement, ApiManagement.AustraliaCentral, ApiManagement.AustraliaCentral2,
ApiManagement.AustraliaEast...}

$serviceTags.Values

Name           : ApiManagement
```

System Service   : AzureApiManagement

Address Prefixes : {13.64.39.16/32, 13.66.138.92/31, 13.66.140.176/28, 13.67.8.108/31...}

Change Number   : 7

Name   : ApiManagement.AustraliaCentral

System Service   : AzureApiManagement

Region   : australiacentral

Address Prefixes : {20.36.106.68/31, 20.36.107.176/28}

Change Number   : 2

Name   : ApiManagement.AustraliaCentral2

System Service   : AzureApiManagement

Region   : australiacentral2

Address Prefixes : {20.36.114.20/31, 20.36.115.128/28}

Change Number   : 2

Name   : ApiManagement.AustraliaEast

System Service   : AzureApiManagement

Region   : australiaeast

Address Prefixes : {13.70.72.28/31, 13.70.72.240/28, 13.75.217.184/32, 13.75.221.78/32...}

Change Number   : 3

Name   : ApiManagement.AustraliaSoutheast

System Service   : AzureApiManagement

Region   : australiasoutheast

Address Prefixes : {13.77.50.68/31, 13.77.52.224/28}

Change Number   : 2

...

The command gets the list of service tag information resources and stores it in variable `serviceTags`.

------- Example 2: Get all address prefixes for AzureSQL -------

```
$serviceTags = Get-AzNetworkServiceTag -Location eastus2
$sql = $serviceTags.Values | Where-Object { $_.Name -eq "Sql" }
$sql

Name            : Sql
System Service   : AzureSQL
Address Prefixes : {13.65.31.249/32, 13.65.39.207/32, 13.65.85.183/32, 13.65.200.105/32...}
Change Number    : 18

$sql.Properties.AddressPrefixes.Count
644
$sql.Properties.AddressPrefixes
13.65.31.249/32
13.65.39.207/32
13.65.85.183/32
13.65.200.105/32
13.65.209.243/32
...
```

The first command gets the list of service tag information resources and stores it in variable `serviceTags`. The second command filters the list to select

information resource for Sql.

Example 3: Get Storage's service tag information resource for West US 2

```
$serviceTags = Get-AzNetworkServiceTag -Location eastus2
$serviceTags.Values | Where-Object { $_.Name -eq "Storage.WestUS2" }

Name            : Storage.WestUS2
System Service   : AzureStorage
```

Region : westus2

Address Prefixes : {13.66.176.16/28, 13.66.176.48/28, 13.66.232.64/28, 13.66.232.208/28...}

Change Number : 5

$serviceTags.Values | Where-Object { $_.Name -like "Storage*" -and $_.Properties.Region -eq "westus2" }

Name : Storage.WestUS2

System Service : AzureStorage

Region : westus2

Address Prefixes : {13.66.176.16/28, 13.66.176.48/28, 13.66.232.64/28, 13.66.232.208/28...}

Change Number : 5

$serviceTags.Values | Where-Object { $_.Properties.SystemService -eq "AzureStorage" -and $_.Properties.Region -eq "westus2" }

Name : Storage.WestUS2

System Service : AzureStorage

Region : westus2

Address Prefixes : {13.66.176.16/28, 13.66.176.48/28, 13.66.232.64/28, 13.66.232.208/28...}

Change Number : 5

The first command gets the list of service tag information resources and stores it in variable `serviceTags`. The following commands show various way to filter the

list to select service tag information for Storage in West US 2.

- Example 4: Get all global service tag information resources -

$serviceTags = Get-AzNetworkServiceTag -Location eastus2

$serviceTags.Values | Where-Object { -not $_.Properties.Region }

Name : ApiManagement

System Service : AzureApiManagement

Address Prefixes : {13.64.39.16/32, 13.66.138.92/31, 13.66.140.176/28, 13.67.8.108/31...}

Change Number : 7

Name : AppService

System Service : AzureAppService

Address Prefixes : {13.64.73.110/32, 13.65.30.245/32, 13.65.37.122/32, 13.65.39.165/32...}

Change Number : 13

Name : AppServiceManagement

System Service : AzureAppServiceManagement

Address Prefixes : {13.64.115.203/32, 13.66.140.0/26, 13.67.8.128/26, 13.69.64.128/26...}

Change Number : 7

Name : AzureActiveDirectory

System Service : AzureAD

Address Prefixes : {13.64.151.161/32, 13.66.141.64/27, 13.67.9.224/27, 13.67.50.224/29...}

Change Number : 3

Name : AzureActiveDirectoryDomainServices

System Service : AzureIdentity

Address Prefixes : {13.64.151.161/32, 13.66.141.64/27, 13.67.9.224/27, 13.69.66.160/27...}

Change Number : 2

...

The first command gets the list of service tag information resources and stores it in variable `serviceTags`. The second command filters the list to select only those

without set region.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.network/get-aznetworkservicetag