



Windows PowerShell Get-Help on Cmdlet 'Search-AzGraph'

PS:\>Get-HELP Search-AzGraph -Full

NAME

Search-AzGraph

SYNOPSIS

Queries the resources managed by Azure Resource Manager.

SYNTAX

Search-AzGraph [-Query] <System.String> [-AllowPartialScope] [-DefaultProfile

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

<System.String[]> [-SkipToken <System.String>] [-Skip

<System.Int32>] [-First <System.Int32>] [<CommonParameters>]

Search-AzGraph [-Query] <System.String> [-AllowPartialScope] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-SkipToken

<System.String>] -UseTenantScope [-Skip <System.Int32>] [-First

<System.Int32>] [<CommonParameters>]

Search-AzGraph

[-Query]

<System.String>

[-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-SkipToken Page 1/8

<System.String>] [-Subscription <System.String[]>] [-Skip <System.Int32>] [-First <System.Int32>]
[<CommonParameters>]

DESCRIPTION

Learn more about the query syntax here: <https://aka.ms/resource-graph/learntoquery>

PARAMETERS

-AllowPartialScope <System.Management.Automation.SwitchParameter>

Indicates if query should succeed when only partial number of subscriptions underneath can be processed by server

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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

-ManagementGroup <System.String[]>

Management group(s) to run query against.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Query <System.String>

Resource Graph query.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SkipToken <System.String>

The skip token to use for getting the next page of results if applicable.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Subscription <System.String[]>

Subscription(s) to run query against.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-UseTenantScope <System.Management.Automation.SwitchParameter>

Run query across all available subscriptions in the current tenant.

Required? true
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-Skip <System.Int32>

Ignores the first N objects and then gets the remaining objects.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-First <System.Int32>

The maximum number of objects to return. Allowed values: 1-1000. Default value is 100.

Required? false
Position? named
Default value None
Accept pipeline input? False
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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

None

OUTPUTS

```
Microsoft.Azure.Commands.ResourceGraph.Models.PSResourceGraphResponse`1[[System.Management.Automation.PSObject]]
```

NOTES

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

Search-AzGraph "project id, name, type, location, tags" -First 3

```
id :  
/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/Service-INT-a/providers/Microsoft.Compute/virtualMa  
chineScaleSets/nt
```

name : nt

type : microsoft.compute/virtualmachinescalesets

location : eastus

tags : @{resourceType=Service Fabric; clusterName=gov-art-int-nt-a}

```
ResourceId :  
/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/Service-INT-a/providers/Microsoft.Compute/virtualMa  
chineScaleSets/nt
```

```
id :  
/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/Service-INT-a/providers/Microsoft.EventGrid/topics/e  
gtopic-1
```

name : egtopic-1

type : microsoft.eventgrid/topics

location : westus2

tags :

ResourceId :

/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/Service-INT-a/providers/Microsoft.EventGrid/topics/egtopic-1

Simple resources query requesting a subset of resource fields.

----- Example 2 -----

Search-AzGraph "project id, name, type, location | where type =~ 'Microsoft.Compute/virtualMachines' | summarize count() by location | top 3 by count_"

location	count_
eastus	66
westcentralus	32
westus	26

A complex query on resources featuring field selection, filtering and summarizing.

----- Example 3 -----

\$response = Search-AzGraph -Query "project id, name, type, location" -First 2

Search-AzGraph -Query "project id, name, type, location" -SkipToken \$response.SkipToken

id :

/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/test/providers/Microsoft.Network/networkInterfaces/17ni

name : 17ni

type : microsoft.network/networkinterfaces

location : westeurope

ResourceId :

/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/test/providers/Microsoft.Network/networkInterfaces/17ni

id :

/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/test/providers/Microsoft.Network/networkSecurityGroups/17nsg

name : 17nsg

type : microsoft.network/networksecuritygroups

location : westeurope

ResourceId :

/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/test/providers/Microsoft.Network/networkSecurityGroups/17nsg

A query with the skip token passed from the previous query results. Please note that keeping id in the results is mandatory to get back a skip token.

----- Example 4 -----

Search-AzGraph -Query "project id, name, type, location, tags" -First 2 -ManagementGroup MyManagementGroupId -AllowPartialScope

id :

/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/Service-INT-a/providers/Microsoft.Compute/virtualMachineScaleSets/nt

name : nt

type : microsoft.compute/virtualmachinescalesets

location : eastus

tags : @{resourceType=Service Fabric; clusterName=gov-art-int-nt-a}

ResourceId : Page 7/8 :

/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/Service-INT-a/providers/Microsoft.Compute/virtualMachineScaleSets/nt

id :

/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/Service-INT-a/providers/Microsoft.EventGrid/topics/egtopic-1

name : egtopic-1

type : microsoft.eventgrid/topics

location : westus2

tags :

ResourceId :

/subscriptions/1ef51df4-f8a9-4b69-9919-1ef51df4eff6/resourceGroups/Service-INT-a/providers/Microsoft.EventGrid/topics/egtopic-1

A query scoped to the management group that allows the query to succeed with partial scope result if MyManagementGroupId has more than N subscriptions underneath. N

is max number of subscriptions that can be processed by server.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.resourcegraph/search-azgraph>