Windows PowerShell Get-Help on Cmdlet 'Export-AzLogAnalyticRequestRateByInterval'

PS:\>Get-HELP Export-AzLogAnalyticRequestRateByInterval -Full

NAME

Export-AzLogAnalyticRequestRateByInterval

SYNOPSIS

Export logs that show Api requests made by this subscription in the given time window to show throttling activities.

SYNTAX

Export-AzLogAnalyticRequestRateByInterval [-Location] <System.String> [-FromTime] <System.DateTime> [-ToTime] <System.DateTime> [-BlobContainerSasUri] <System.String>

[-IntervalLength] {ThreeMins | FiveMins | ThirtyMins | SixtyMins} [-AsJob] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-GroupByApplicationId] [-GroupByOperationName] [-GroupByResourceName]

[-GroupByThrottlePolicy] [-GroupByUserAgent] [-NoWait] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Exports statistical data about the subscription's calls to the Microsoft.Compute API by Success, Failure, or Throttled status, in predefined time intervals. The logs

can be further grouped by five parameters: GroupByOperationName, GroupByThrottlePolicy, GroupByResourceName,

GroupByUserAgent, or GroupByApplicationId. Note that this

cmdlet collects only Compute Resource Provider logs; moreover, data about the Disk and Snapshot resource types is not yet available.

For an overview of the Compute Resource Provider's API throttling, see https://learn.microsoft.com/azure/azure-resource-manager/resource-manager-request-limits.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-BlobContainerSasUri <System.String>

SAS Uri of the logging blob container to which LogAnalytics Api writes output logs to.

Required? true

Position? 3

Default value None

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

-FromTime <System.DateTime>

From time of the query

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-GroupByApplicationId <System.Management.Automation.SwitchParameter>

Group query result by Application Id.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-GroupByOperationName <System.Management.Automation.SwitchParameter>

Group query result by Operation Name.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-GroupByResourceName <System.Management.Automation.SwitchParameter>

Group query result by Resource Name.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-GroupByThrottlePolicy <System.Management.Automation.SwitchParameter>

Group query result by Throttle Policy applied.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-GroupByUserAgent <System.Management.Automation.SwitchParameter>

Group query result by UserAgent.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-IntervalLength <Microsoft.Azure.Management.Compute.Models.IntervalInMins>

Interval value in minutes used to create LogAnalytics call rate logs.

Required? true

Position? 4

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Location <System.String>

The location upon which log analytic is queried.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-NoWait <System.Management.Automation.SwitchParameter>

Starts the operation and returns immediately, before the operation is completed. In order to determine if the operation has successfully been completed, use some

other mechanism.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ToTime <System.DateTime>

To time of the query

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

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).

INPUTS

System.String

OUTPUTS

Microsoft.Azure.Commands.Compute.Automation.Models.PSLogAnalyticsOperationResult

NOTES

---- Example 1: Export records aggregated by operation name ----

Export-AzLogAnalyticRequestRateByInterval -Location 'West Central US' -FromTime '2018-02-20T17:54:14.8806951-08:00' -ToTime '2018-02-22T17:54:17.5832413-08:00' -BlobContainerSasUri 'https://wkuotest1.blob.core.windows.net/mylogs?someSasUri' -IntervalLength ThirtyMins -GroupByOperationName

This command downloads a .csv file to the provided container. The format of the file is:

TIMESTAMP	operationName	TotalRequests	SuccessfulRequests	ThrottledRequests
2/21/2018 7:00:00 PM	<operationName>	10	10	0
2/21/2018 7:30:00 PM	<operationName>	8	8	0
2/21/2018 9:00:00 PM	<operationName>	9	9	0

This command stores the aggregated numbers of Microsoft.Compute API calls separated by Success, Failure, or Throttled between 2018-02-20T17:54:14 and

2018-02-22T17:54:17 in the given SAS URI, aggregated by operation name.

---- Example 2: Export records aggregated by application id ----

Export-AzLogAnalyticRequestRateByInterval -Location 'West Central US' -FromTime '2018-02-20T17:54:14.8806951-08:00' -ToTime '2018-02-22T17:54:17.5832413-08:00' -BlobContainerSasUri 'https://wkuotest1.blob.core.windows.net/mylogs?someSasUri' -IntervalLength ThirtyMins -GroupByApplicationId

This command downloads a .csv file to the provided container. The format of the file is:

TIMESTAMP	clientApplicationId	TotalRequests	SuccessfulRequests	ThrottledRequests

2/21/2018 7:00:00 PM <clientApplicationId> 10 10 0

2/21/2018 7:30:00 PM <clientApplicationId> 8 8 0

2/21/2018 9:00:00 PM <clientApplicationId> 9 9 0

This command stores the aggregated numbers of Microsoft.Compute API calls separated by Success, Failure, or Throttled between 2018-02-20T17:54:14 and

2018-02-22T17:54:17 in the given SAS URI, aggregated by application id.

------ Example 3: Export records aggregated by user agent ------

Export-AzLogAnalyticRequestRateByInterval -Location 'West Central US' -FromTime '2018-02-20T17:54:14.8806951-08:00' -ToTime '2018-02-22T17:54:17.5832413-08:00'

-BlobContainerSasUri 'https://wkuotest1.blob.core.windows.net/mylogs?someSasUri' -IntervalLength ThirtyMins -GroupByUserAgent

This command downloads a .csv file to the provided container. The format of the file is:

TIMESTAMP userAgent TotalRequests SuccessfulRequests ThrottledRequests

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2/21/2018 7:00:00 PM <userAgent> 10 10 0

2/21/2018 7:30:00 PM <userAgent> 8 8 0

2/21/2018 9:00:00 PM <userAgent> 9 9 0

This command stores the aggregated numbers of Microsoft.Compute API calls separated by Success, Failure, or Throttled between 2018-02-20T17:54:14 and

2018-02-22T17:54:17 in the given SAS URI, aggregated by user agent.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.compute/export-azloganalyticrequestratebyinterval