Windows PowerShell Get-Help on Cmdlet 'New-AzAutoscaleScaleRuleObject'

PS:\>Get-HELP New-AzAutoscaleScaleRuleObject -Full

NAME

New-AzAutoscaleScaleRuleObject

SYNOPSIS

Create an in-memory object for ScaleRule.

SYNTAX

New-AzAutoscaleScaleRuleObject -MetricTriggerMetricName <String> -MetricTriggerMetricResourceUri <String> -MetricTriggerOperator <ComparisonOperationType>

-MetricTriggerStatistic <MetricStatisticType> -MetricTriggerThreshold <Double> -MetricTriggerTimeAggregation <TimeAggregationType> -MetricTriggerTimeGrain <TimeSpan>

-MetricTriggerTimeWindow <TimeSpan> -ScaleActionCooldown <TimeSpan> -ScaleActionDirection <ScaleDirection> -ScaleActionType <ScaleType> [-MetricTriggerDimension

<IScaleRuleMetricDimension[]>] [-MetricTriggerDividePerInstance <Boolean>] [-MetricTriggerMetricNamespace <String>] [-MetricTriggerMetricResourceLocation <String>]

[-ScaleActionValue <String>] [<CommonParameters>]

DESCRIPTION

Create an in-memory object for ScaleRule.

PARAMETERS

-MetricTriggerMetricName <String>

the name of the metric that defines what the rule monitors.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerMetricResourceUri <String>

the resource identifier of the resource the rule monitors.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerOperator <ComparisonOperationType>

the operator that is used to compare the metric data and the threshold.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerStatistic <MetricStatisticType>

the metric statistic type.

How the metrics from multiple instances are combined.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerThreshold <Double>

the threshold of the metric that triggers the scale action.

Required? true

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerTimeAggregation <TimeAggregationType>

time aggregation type.

How the data that is collected should be combined over time.

The default value is Average.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerTimeGrain <TimeSpan>

the granularity of metrics the rule monitors.

Must be one of the predefined values returned from metric definitions for the metric.

Must be between 12 hours and 1 minute.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerTimeWindow <TimeSpan>

the range of time in which instance data is collected.

This value must be greater than the delay in metric collection, which can vary from resource-to-resource.

Must be between 12 hours and 5 minutes.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScaleActionCooldown <TimeSpan>

the amount of time to wait since the last scaling action before this action occurs.

It must be between 1 week and 1 minute in ISO 8601 format.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScaleActionDirection <ScaleDirection>

the scale direction.

Whether the scaling action increases or decreases the number of instances.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScaleActionType <ScaleType>

the type of action that should occur when the scale rule fires.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerDimension <IScaleRuleMetricDimension[]>

List of dimension conditions.

For example: [{"DimensionName":"AppName","Operator":"Equals","Values":["App1"]},{"DimensionName":"Deployment","Operator":"Equals","Values":["default"]}].

To construct, see NOTES section for METRICTRIGGERDIMENSION properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerDividePerInstance <Boolean>

a value indicating whether metric should divide per instance.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerMetricNamespace <String>

the namespace of the metric that defines what the rule monitors.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MetricTriggerMetricResourceLocation <String>

the location of the resource the rule monitors.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScaleActionValue <String>

the number of instances that are involved in the scaling action.

This value must be 1 or greater.

The default value is 1.

Required? false

Position? named

Default value

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

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.Monitor.Autoscale.Models.Api20221001.ScaleRule

NOTES

COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help

about_Hash_Tables.

METRICTRIGGERDIMENSION <IScaleRuleMetricDimension[]>: List of dimension conditions. For example:

[{"DimensionName":"AppName","Operator":"Equals","Values":["App1"]},{"DimensionName":"Deployment","Operator":"Equals","Values":["default"]}].

DimensionName <String>: Name of the dimension.

Operator <ScaleRuleMetricDimensionOperationType>: the dimension operator. Only 'Equals' and 'NotEquals' are supported. 'Equals' being equal to any of the

values. 'NotEquals' being not equal to all of the values

Value <String[]>: list of dimension values. For example: ["App1","App2"].

---------- EXAMPLE 1 ----------

PS C:\>$subscriptionId = (Get-AzContext).Subscription.Id

New-AzAutoscaleScaleRuleObject -MetricTriggerMetricName "Percentage CPU" -MetricTriggerMetricResourceUri

"/subscriptions/$subscriptionId/resourceGroups/test-group/providers/Microsoft.Compute/virtualMachineScaleSets/test-vmss" -MetricTriggerTimeGrain

([System.TimeSpan]::New(0,1,0)) -MetricTriggerStatistic "Average" -MetricTriggerTimeWindow ([System.TimeSpan]::New(0,5,0)) -MetricTriggerTimeAggregation "Average"

-MetricTriggerOperator "GreaterThan" -MetricTriggerThreshold 10 -MetricTriggerDividePerInstance $false -ScaleActionDirection "Increase" -ScaleActionType "ChangeCount"

-ScaleActionValue 1 -ScaleActionCooldown ([System.TimeSpan]::New(0,5,0))

RELATED LINKS

https://learn.microsoft.com/powershell/module/Az.Monitor/new-AzAutoscaleScaleRuleObject