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

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

NAME

New-AzAutoscaleProfileObject

SYNOPSIS

Create an in-memory object for AutoscaleProfile.

SYNTAX

New-AzAutoscaleProfileObject -CapacityDefault <String> -CapacityMaximum <String> -CapacityMinimum <String> -Name <String> -Rule <IScaleRule[]> [-FixedDateEnd <DateTime>] [-FixedDateStart <DateTime>] [-FixedDateTimeZone <String>] [-RecurrenceFrequency <RecurrenceFrequency>] [-ScheduleDay <String[]>] [-ScheduleHour <Int32[]>] [-ScheduleMinute <Int32[]>] [-ScheduleTimeZone <String>] [<CommonParameters>]

DESCRIPTION

Create an in-memory object for AutoscaleProfile.

PARAMETERS

-CapacityDefault <String>

the number of instances that will be set if metrics are not available for evaluation.

The default is only used if the current instance count is lower than the default.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CapacityMaximum <String>

the maximum number of instances for the resource.

The actual maximum number of instances is limited by the cores that are available in the subscription.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CapacityMinimum <String>

the minimum number of instances for the resource.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Name <String>

the name of the profile.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Rule <IScaleRule[]>

the collection of rules that provide the triggers and parameters for the scaling action.

A maximum of 10 rules can be specified.

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

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-FixedDateEnd <DateTime>

the end time for the profile in ISO 8601 format.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-FixedDateStart <DateTime>

the start time for the profile in ISO 8601 format.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-FixedDateTimeZone <String>

the timezone of the start and end times for the profile.

Some examples of valid time zones are: Dateline Standard Time, UTC-11, Hawaiian Standard Time, Alaskan Standard Time, Pacific Standard Time (Mexico), Pacific

Standard Time, US Mountain Standard Time, Mountain Standard Time (Mexico), Mountain Standard Time, Central America Standard Time, Central Standard Time, Central

Standard Time (Mexico), Canada Central Standard Time, SA Pacific Standard Time, Eastern Standard Time, US Eastern Standard Time, Venezuela Standard Time, Paraguay

Standard Time, Atlantic Standard Time, Central Brazilian Standard Time, SA Western Standard Time, Pacific SA Standard Time, Newfoundland Standard Time, E.

South America Standard Time, Argentina Standard Time, SA Eastern Standard Time, Greenland Standard Time, Montevideo Standard Time, Bahia Standard Time, UTC-02,

Mid-Atlantic Standard Time, Azores Standard Time, Cape Verde Standard Time, Morocco Standard Time, UTC, GMT Standard Time, Greenwich Standard Time, W.

Europe Standard Time, Central Europe Standard Time, Romance Standard Time, Central European Standard Time, W.

Central Africa Standard Time, Namibia Standard Time, Jordan Standard Time, GTB Standard Time, Middle East Standard Time, Egypt Standard Time, Syria Standard Time,

E.

Europe Standard Time, South Africa Standard Time, FLE Standard Time, Turkey Standard Time, Israel Standard Time, Kaliningrad Standard Time, Libya Standard Time,

Arabic Standard Time, Arab Standard Time, Belarus Standard Time, Russian Standard Time, E.

Africa Standard Time, Iran Standard Time, Arabian Standard Time, Azerbaijan Standard Time, Russia Time Zone 3, Mauritius Standard Time, Georgian Standard Time,

Caucasus Standard Time, Afghanistan Standard Time, West Asia Standard Time, Ekaterinburg Standard Time, Pakistan Standard Time, India Standard Time, Sri Lanka

Standard Time, Nepal Standard Time, Central Asia Standard Time, Bangladesh Standard Time, N.

Central Asia Standard Time, Myanmar Standard Time, SE Asia Standard Time, North Asia Standard Time, China Standard Time, North Asia East Standard Time, Singapore

Standard Time, W.

Australia Standard Time, Taipei Standard Time, Ulaanbaatar Standard Time, Tokyo Standard Time, Korea Standard Time, Yakutsk Standard Time, Cen.

Australia Standard Time, AUS Central Standard Time, E.

Australia Standard Time, AUS Eastern Standard Time, West Pacific Standard Time, Tasmania Standard Time, Magadan Standard Time, Vladivostok Standard Time, Russia

Time Zone 10, Central Pacific Standard Time, Russia Time Zone 11, New Zealand Standard Time, UTC+12, Fiji Standard Time, Kamchatka Standard Time, Tonga Standard

Time, Samoa Standard Time, Line Islands Standard Time.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RecurrenceFrequency <RecurrenceFrequency>

the recurrence frequency.

How often the schedule profile should take effect.

This value must be Week, meaning each week will have the same set of profiles.

For example, to set a daily schedule, set **schedule** to every day of the week.

The frequency property specifies that the schedule is repeated weekly.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScheduleDay <String[]>

the collection of days that the profile takes effect on.

Possible values are Sunday through Saturday.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScheduleHour <Int32[]>

A collection of hours that the profile takes effect on.

Values supported are 0 to 23 on the 24-hour clock (AM/PM times are not supported).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScheduleMinute <Int32[]>

A collection of minutes at which the profile takes effect at.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScheduleTimeZone <String>

the timezone for the hours of the profile.

Some examples of valid time zones are: Dateline Standard Time, UTC-11, Hawaiian Standard Time, Alaskan Standard Time, Pacific Standard Time (Mexico), Pacific

Standard Time, US Mountain Standard Time, Mountain Standard Time (Mexico), Mountain Standard Time, Central America Standard Time, Central Standard Time, Central

Standard Time (Mexico), Canada Central Standard Time, SA Pacific Standard Time, Eastern Standard Time, US Eastern Standard Time, Venezuela Standard Time, Paraguay

Standard Time, Atlantic Standard Time, Central Brazilian Standard Time, SA Western Standard Time, Pacific SA Standard Time, Newfoundland Standard Time, E.

South America Standard Time, Argentina Standard Time, SA Eastern Standard Time, Greenland Standard Time,

Montevideo Standard Time, Bahia Standard Time, UTC-02,

Mid-Atlantic Standard Time, Azores Standard Time, Cape Verde Standard Time, Morocco Standard Time, UTC, GMT Standard Time, Greenwich Standard Time, W.

Europe Standard Time, Central Europe Standard Time, Romance Standard Time, Central European Standard Time, W.

Central Africa Standard Time, Namibia Standard Time, Jordan Standard Time, GTB Standard Time, Middle East Standard Time, Egypt Standard Time, Syria Standard Time,

E.

Europe Standard Time, South Africa Standard Time, FLE Standard Time, Turkey Standard Time, Israel Standard Time, Kaliningrad Standard Time, Libya Standard Time,

Arabic Standard Time, Arab Standard Time, Belarus Standard Time, Russian Standard Time, E.

Africa Standard Time, Iran Standard Time, Arabian Standard Time, Azerbaijan Standard Time, Russia Time Zone 3, Mauritius Standard Time, Georgian Standard Time,

Caucasus Standard Time, Afghanistan Standard Time, West Asia Standard Time, Ekaterinburg Standard Time, Pakistan Standard Time, India Standard Time, Sri Lanka

Standard Time, Nepal Standard Time, Central Asia Standard Time, Bangladesh Standard Time, N.

Central Asia Standard Time, Myanmar Standard Time, SE Asia Standard Time, North Asia Standard Time, China Standard Time, North Asia East Standard Time, Singapore

Standard Time, W.

Australia Standard Time, Taipei Standard Time, Ulaanbaatar Standard Time, Tokyo Standard Time, Korea Standard Time, Yakutsk Standard Time, Cen.

Australia Standard Time, AUS Central Standard Time, E.

Australia Standard Time, AUS Eastern Standard Time, West Pacific Standard Time, Tasmania Standard Time, Magadan Standard Time, Vladivostok Standard Time, Russia

Time Zone 10, Central Pacific Standard Time, Russia Time Zone 11, New Zealand Standard Time, UTC+12, Fiji Standard Time, Kamchatka Standard Time, Tonga Standard

Time, Samoa Standard Time, Line Islands Standard Time.

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.AutoscaleProfile

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.

RULE <IScaleRule[]>: the collection of rules that provide the triggers and parameters for the scaling action. A maximum of 10 rules can be specified.

MetricTriggerMetricName <String>: the name of the metric that defines what the rule monitors.

MetricTriggerMetricResourceUri <String>: the resource identifier of the resource the rule monitors.

MetricTriggerOperator <ComparisonOperationType>: the operator that is used to compare the metric data and the threshold.

MetricTriggerStatistic <MetricStatisticType>: the metric statistic type. How the metrics from multiple instances are combined.

MetricTriggerThreshold <Double>: the threshold of the metric that triggers the scale action.

MetricTriggerTimeAggregation <TimeAggregationType>: time aggregation type. How the data that is collected should be combined over time. The default value is

Average.

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.

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.

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.

ScaleActionDirection <ScaleDirection>: the scale direction. Whether the scaling action increases or decreases the number of instances.

ScaleActionType <ScaleType>: the type of action that should occur when the scale rule fires.

[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"].

[MetricTriggerDividePerInstance <Boolean?>]: a value indicating whether metric should divide per instance.

[MetricTriggerMetricNamespace <String>]: the namespace of the metric that defines what the rule monitors.

[MetricTriggerMetricResourceLocation <String>]: the location of the resource the rule monitors.

[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.

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

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

$rule1=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))
New-AzAutoscaleProfileObject -Name "adios" -CapacityDefault 1 -CapacityMaximum 10 -CapacityMinimum 1 -Rule
$rule1 -FixedDateEnd
([System.DateTime]::Parse("2022-12-31T14:00:00Z")) -FixedDateStart
([System.DateTime]::Parse("2022-12-31T13:00:00Z")) -FixedDateTimeZone "UTC"

RELATED LINKS

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