



Windows PowerShell Get-Help on Cmdlet 'New-AzMetricAlertRuleV2Criteria'

PS:\>Get-HELP New-AzMetricAlertRuleV2Criteria -Full

NAME

New-AzMetricAlertRuleV2Criteria

SYNOPSIS

Creates a local criteria object that can be used to create a new metric alert

SYNTAX

```
New-AzMetricAlertRuleV2Criteria -ApplicationInsightsId <System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-FailedLocationCount <System.Int32>] [-WebTest] -WebTestId <System.String>
[<CommonParameters>]
```



```
New-AzMetricAlertRuleV2Criteria [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DimensionSelection
    <Microsoft.Azure.Commands.Insights.OutputClasses.PSMetricDimension[]>] -MetricName <System.String>
[-MetricNamespace <System.String>] -Operator <System.String>
    [-SkipMetricValidation <System.Boolean>] -Threshold <System.Double> -TimeAggregation <System.String>
[<CommonParameters>]
```

```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DimensionSelection
    <Microsoft.Azure.Commands.Insights.OutputClasses.PSMetricDimension[]>] -DynamicThreshold
[-ExaminedAggregatedPointCount <System.Int32>] [-IgnoreDataBefore
    <System.DateTime>] -MetricName <System.String> [-MetricNamespace <System.String>] -Operator <System.String>
[-SkipMetricValidation <System.Boolean>]
    [-ThresholdSensitivity <System.String>] -TimeAggregation <System.String> [-ViolationCount <System.Int32>]
[<CommonParameters>]

```

DESCRIPTION

The `New-AzMetricAlertRuleV2Criteria` cmdlet creates a local metric criteria object to be used as an input `Add-AzMetricAlertRuleV2` (<https://learn.microsoft.com/powershell/module/az.monitor/add-azmetricalertrulev2>) cmdlet which creates a new metric alert rule.

PARAMETERS

`-ApplicationInsightsId <System.String>`

The Application Insights resource Id.

Required? true

Position? named

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

-DimensionSelection <Microsoft.Azure.Commands.Insights.OutputClasses.PSMetricDimension[]>

List of dimension conditions

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-DynamicThreshold <System.Management.Automation.SwitchParameter>

Switch parameter for using Dynamic Threshold Type

Required? true

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ExaminedAggregatedPointCount <System.Int32>

The Total number of examined points

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-FailedLocationCount <System.Int32>

The minimum number of failed locations to raise an alert.

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

-IgnoreDataBefore <System.DateTime>

The IgnoreDataBefore parameter

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

-MetricName <System.String>

The metric name for rule

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

-MetricNamespace <System.String>

The Namespace of the metric

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

-Operator <System.String>

The rule condition operator

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SkipMetricValidation <System.Boolean>

Allows creating an alert rule on a custom metric that isn't yet emitted, by causing the metric validation to be skipped

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Threshold <System.Double>

The threshold for rule condition

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ThresholdSensitivity <System.String>

The sensitivity for rule condition

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TimeAggregation <System.String>

The aggregation operation used to roll up multiple metric values across the window interval

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ViolationCount <System.Int32>

The minimum number of violations required within the selected lookback time window required to raise an alert

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-WebTest <System.Management.Automation.SwitchParameter>

Switch parameter for using availability criteria Type

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WebTestId <System.String>

The Application Insights web test Id.

Required? true
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>).

INPUTS

Microsoft.Azure.Commands.Insights.OutputClasses.PSMetricDimension[]

OUTPUTS

Microsoft.Azure.Commands.Insights.OutputClasses.IPSMultiMetricCriteria

NOTES

----- Example 1: Create a simple metric alert criteria -----

```
New-AzMetricAlertRuleV2Criteria -MetricName "Percentage CPU" -MetricNameSpace  
"Microsoft.Compute/virtualMachines" -TimeAggregation Average -Operator GreaterThan  
-Threshold 5
```

CriterionType : StaticThresholdCriterion
OperatorProperty : GreaterThan
Threshold : 5
AdditionalProperties :
Name : metric1
MetricName : Percentage CPU
MetricNamespace : Microsoft.Compute/virtualMachines
TimeAggregation : Average
Dimensions :

This command creates a simple metric alert criteria that can be used in a metric alert rule

----- Example 2: Create a dynamic metric alert criteria -----

```
New-AzMetricAlertRuleV2Criteria -DynamicThreshold -MetricName "Percentage CPU" -MetricNameSpace  
"Microsoft.Compute/virtualMachines" -TimeAggregation Average -Operator  
GreaterThan -ThresholdSensitivity Medium -ViolationCount 2 -ExaminedAggregatedPointCount 4
```

CriterionType : DynamicThresholdCriterion
OperatorProperty : GreaterThan
AlertSensitivity : Medium
FailingPeriods : Microsoft.Azure.Management.Monitor.Models.DynamicThresholdFailingPeriods
IgnoreDataBefore :
AdditionalProperties :
Name : metric1
MetricName : Percentage CPU
MetricNamespace : Microsoft.Compute/virtualMachines
TimeAggregation : Average
Dimensions :

This command creates a Dynamic metric alert criteria that can be used in a metric alert rule

---- Example 3: Create a more complex metric alert criteria ----

```
New-AzMetricAlertRuleV2DimensionSelection -DimensionName "availabilityResult/name" -ValuesToInclude "gdtest" |  
New-AzMetricAlertRuleV2Criteria -MetricName  
"availabilityResults/availabilityPercentage" -TimeAggregation Average -Operator GreaterThan -Threshold 2  
  
CriterionType      : StaticThresholdCriterion  
OperatorProperty   : GreaterThan  
Threshold          : 2  
AdditionalProperties :  
Name               : metric1  
MetricName         : availabilityResults/availabilityPercentage  
MetricNamespace    :  
TimeAggregation    : Average  
Dimensions         : {availabilityResult/name}
```

This set of commands creates a more complex metric alert criteria which includes dimension selection

----- Example 4: Create a webtest availability criteria -----

```
New-AzMetricAlertRuleV2Criteria -WebTest -WebTestId  
  
"/subscriptions/00000000-0000-0000-0000-00000000/resourceGroups/012345/providers/Microsoft.Insights/webtests/PingTest-appInsights" -ApplicationInsightsId  
  
"/subscriptions/00000000-0000-0000-0000-00000000/resourceGroups/012345/providers/Microsoft.Insights/components/applicationinsights" -FailedLocationCount 3  
  
CriterionType      : WebtestLocationAvailabilityCriterion  
WebTestId          :  
"/subscriptions/00000000-0000-0000-0000-00000000/resourceGroups/012345/providers/Microsoft.Insights/webtests/PingTest
```

-applnsights

ComponentId

:

/subscriptions/00000000-0000-0000-0000-00000000/resourceGroups/012345/providers/Microsoft.Insights/components/applnsights

FailedLocationCount : 3

AdditionalProperties :

This command creates a webtest availability criteria that can be used in a metric alert rule

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.monitor/new-azmetricalertrulev2criteria>