



Windows PowerShell Get-Help on Cmdlet 'Get-AzMetricDefinition'

PS:\>Get-HELP Get-AzMetricDefinition -Full

NAME

Get-AzMetricDefinition

SYNOPSIS

Gets metric definitions.

SYNTAX

```
Get-AzMetricDefinition [-ResourceId] <System.String> [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>  
[-DetailedOutput] [-MetricName <System.String[]>] [-MetricNamespace <System.String>] [<CommonParameters>]
```

DESCRIPTION

The Get-AzMetricDefinition cmdlet gets metric definitions.

PARAMETERS

-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

-DetailedOutput <System.Management.Automation.SwitchParameter>

Indicates that this operation included detailed output. If you do not specify this parameter, the output is summarized.

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

-MetricName <System.String[]>

Specifies an array of names of metrics.

Required? false
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-MetricNamespace <System.String>

Specifies the metric namespace to query metric definitions for.

Required? false
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ResourceId <System.String>

Specifies the resource ID.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

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

System.String[]

OUTPUTS

Microsoft.Azure.Commands.Insights.OutputClasses.PSMetricDefinition

NOTES

----- Example 1: Get metric definitions for a resource -----

```
Get-AzMetricDefinition -ResourceId  
"/subscriptions/d33fb0c7-69d3-40be-e35b-4f0deba70fff/resourceGroups/Default-Web-EastUS/providers/microsoft.web/sites/  
website2"
```

```
Name          : CpuTime  
Dimensions     : {}  
MetricAvailabilities : {Microsoft.Azure.Insights.Models.MetricAvailability,  
                        Microsoft.Azure.Insights.Models.MetricAvailability,  
                        Microsoft.Azure.Insights.Models.MetricAvailability}
```

```
PrimaryAggregationType : Total
```

```
Properties      : {}
```

```
ResourceUri    :
```

```
Unit           : Seconds
```

```
Name          : Requests
```

```
Dimensions     : {}
```

```
MetricAvailabilities : {Microsoft.Azure.Insights.Models.MetricAvailability,  
                        Microsoft.Azure.Insights.Models.MetricAvailability,  
                        Microsoft.Azure.Insights.Models.MetricAvailability}
```

```
PrimaryAggregationType : Total
```

```
Properties      : {}
```

```
ResourceUri    :
```

```
Unit           : Count
```

This command gets the metrics definitions for the specified resource.

---- Example 2: Get metric definitions with detailed output ----

"/subscriptions/d33fb0c7-69d3-40be-e35b-4f0deba70fff/resourceGroups/Default-Web-EastUS/providers/microsoft.web/sites/
website2"

-DetailedOutput

Dimensions :

MetricAvailabilities :

Location :

Retention : 2.00:00:00

Values : 00:01:00

Location :

Retention : 30.00:00:00

Values : 01:00:00

Location :

Retention : 90.00:00:00

Values : 1.00:00:00

Name : CpuTime

Properties :

PrimaryAggregationType : Total

ResourceUri :

Unit : Seconds

Dimensions :

MetricAvailabilities :

Location :

Retention : 2.00:00:00

Values : 00:01:00

Location :

Retention : 30.00:00:00

Values : 01:00:00

Location :

Retention : 90.00:00:00

Values : 1.00:00:00

Name : Requests

Properties :

PrimaryAggregationType : Total

ResourceUri :

Unit : Count

This command gets the metric definitions for website2. The output is detailed.

----- Example 3: Get metric definitions by name -----

Get-AzMetricDefinition

-ResourceId

"/subscriptions/d33fb0c7-69d3-40be-e35b-4f0deba70fff/resourceGroups/Default-Web-EastUS/providers/microsoft.web/sites/website2"

-DetailedOutput -MetricName "BytesSent,CpuTime"

MetricAvailabilities :

Location :

Retention : 2.00:00:00

Values : 00:01:00

Location :

Retention : 30.00:00:00

Values : 01:00:00

Location :

Retention : 90.00:00:00

Values : 1.00:00:00

Name : CpuTime

Properties :

PrimaryAggregationType : Total

ResourceUri :

Unit : Seconds

Dimensions :

MetricAvailabilities :

Location :

Retention : 2.00:00:00

Values : 00:01:00

Location :

Retention : 30.00:00:00

Values : 01:00:00

Location :

Retention : 90.00:00:00

Values : 1.00:00:00

Name : BytesSent

Properties :

PrimaryAggregationType : Total

ResourceUri :

Unit : Bytes

This command gets definitions for the BytesSent and CpuTime metrics. The output is detailed.

RELATED LINKS

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

Get-AzMetric

New-AzMetricFilter