



Windows PowerShell Get-Help on Cmdlet 'Invoke-AzIotHubDeploymentMetricsQuery'

PS:\>Get-HELP Invoke-AzIotHubDeploymentMetricsQuery -Full

NAME

Invoke-AzIotHubDeploymentMetricsQuery

SYNOPSIS

Invoke an IoT Edge deployment metric query.

SYNTAX

Invoke-AzIotHubDeploymentMetricsQuery [-InputObject]

<Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub> [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -MetricName

<System.String> [-MetricType {Custom | System}] -Name

<System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

Invoke-AzIotHubDeploymentMetricsQuery [-ResourceGroupName] <System.String> [-IotHubName] <System.String>

[-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -MetricName

<System.String> [-MetricType {Custom | System}] -Name

<System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

```
Invoke-AzIoTHubDeploymentMetricsQuery [-ResourceId] <System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -MetricName
<System.String> [-MetricType {Custom | System}] -Name
    <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

Evaluate a target custom or system metric defined in an IoT Edge deployment. There are pre-defined system metrics which are calculated by IoT Hub and cannot be

customized. - "Targeted" shows the IoT Edge devices that match the deployment targeting condition.

- "Applied" shows the targeted IoT Edge devices that are not targeted by another deployment of higher priority.

- "Reporting Success" shows the IoT Edge devices that have reported that the modules have been deployed successfully.

- "Reporting Failure" shows the IoT Edge devices that have reported that one or more modules haven't been deployed successfully.

To further investigate the error, connect remotely to those devices and view the log files.

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

-InputObject <Microsoft.Azure.Commands.Management.IoTHub.Models.PSIoTHub>

IoT Hub object

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-lotHubName <System.String>

Name of the lot Hub

Required? true
Position? 1
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-MetricName <System.String>

Target metric for evaluation.

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

-MetricType <Microsoft.Azure.Commands.Management.IotHub.Models.PSConfigurationMetricType>

Indicates which metric collection should be used to lookup a metric.

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

-Name <System.String>

Identifier for the deployment.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

Name of the Resource Group

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceId <System.String>

IoT Hub Resource Id

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

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

Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub

System.String

OUTPUTS

Microsoft.Azure.Commands.Management.IotHub.Models.PSConfigurationMetricsResult

----- Example 1 -----

```
Invoke-AzIoTHubDeploymentMetricsQuery -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -Name  
"myDeploy1" -MetricName "warningLimit"
```

Evaluate the custom defined 'warningLimit' metric.

----- Example 2 -----

```
Invoke-AzIoTHubDeploymentMetricsQuery -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -Name  
"myDeploy1" -MetricName "Reporting Success" -MetricType  
"system"
```

Evaluate the system 'Reporting Success' metric.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.iothub/invoke-aziothubdeploymentmetricsquery>