



Windows PowerShell Get-Help on Cmdlet 'Add-AzIotHubConfiguration'

PS:\>Get-HELP Add-AzIotHubConfiguration -Full

NAME

Add-AzIotHubConfiguration

SYNOPSIS

Add an IoT automatic device management configuration in a target IoT Hub.

SYNTAX

```
Add-AzIotHubConfiguration [-InputObject] <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub>
[-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DeviceContent
<System.Collections.Hashtable>] [-Label
<System.Collections.Hashtable>] [-Metric <System.Collections.Hashtable>] -Name <System.String> [-Priority
<System.Int32>] [-TargetCondition <System.String>]
[-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Add-AzIotHubConfiguration [-ResourceGroupName] <System.String> [-IotHubName] <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DeviceContent
<System.Collections.Hashtable>] [-Label
<System.Collections.Hashtable>] [-Metric <System.Collections.Hashtable>] -Name <System.String> [-Priority
```

<System.Int32>] [-TargetCondition <System.String>]

[-Confirm] [-WhatIf] [<CommonParameters>]

Add-AzIotHubConfiguration

[-ResourceId]

<System.String>

[-DefaultProfile

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

[-DeviceContent

<System.Collections.Hashtable>]

[-Label

<System.Collections.Hashtable>]

[-Metric

<System.Collections.Hashtable>] -Name <System.String> [-Priority

<System.Int32>] [-TargetCondition <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Configuration content is json and slightly varies based on device or module intent. Device configurations are in the form of {"deviceContent":{...}} Module

configurations are in the form of {"moduleContent":{...}} Configurations can be defined with user provided metrics for on demand evaluation. User metrics are json and

in the form of {"queries":{...}} or {"metrics":{"queries":{...}}}.

Note: Target condition for modules must start with "from devices.modules where". See <https://learn.microsoft.com/azure/iot-hub/iot-hub-automatic-device-management> for more information.

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

-DeviceContent <System.Collections.Hashtable>

Configuration for IoT Hub devices.

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

-IoT Hub Name <System.String>

Name of the IoT Hub

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

-Label <System.Collections.Hashtable>

Map of labels to be applied to target configuration.

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

Accept wildcard characters? false

-Metric <System.Collections.Hashtable>

Queries collection for configuration metrics definition.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Identifier for the configuration.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Priority <System.Int32>

Weight of the device configuration in case of competing rules (highest wins).

Required? false

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

-TargetCondition <System.String>

Target condition in which a device configuration applies to.

Required? false
Position? named
Default value None
Accept pipeline input? False
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.PSConfiguration

NOTES

```
Add-AzIoTHubConfiguration -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -Name "config1"
```

Create a device configuration with default metadata.

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

```
Add-AzIoTHubConfiguration -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -Name "config1" -Priority
3 -TargetCondition "tags.building=9 and
tags.environment='test'"
```

Create a device configuration with a priority of 3 that applies on condition when a device is tagged in building 9 and the environment is 'test'.

----- Example 3 -----

```
$metrics = @{}
$metrics.add("query1", "select deviceId from devices where tags.location='US'")
Add-AzIoTHubConfiguration -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -Name "config1" -Metric
$metrics
```

Create a device configuration with user metrics.

----- Example 4 -----

```
$labels = @{}
$labels.add("key0", "value0")
$labels.add("key1", "value1")
Add-AzIoTHubConfiguration -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -Name "config1" -Label
$labels
```

Create a device configuration with labels.

----- Example 5 -----

```
$prop = @{}

```

```
$prop.add("Location", "US")

```

```
$content = @{}

```

```
$content.add("properties.desired.Region", $prop)

```

```
    Add-AzIotHubConfiguration -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -Name "config1"
-DeviceContent $content

```

Create a device configuration with content.

RELATED LINKS

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