



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

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

NAME

Add-AzIotHubDeployment

SYNOPSIS

Add an IoT Edge deployment in a target IoT Hub.

SYNTAX

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

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

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

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

Add-AzIotHubDeployment

[-ResourceId]

<System.String>

[-DefaultProfile

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

[-Label <System.Collections.Hashtable>] [-Metric <System.Collections.Hashtable>] [-ModulesContent

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

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

DESCRIPTION

Edge deployments can be created with user defined metrics for on demand evaluation. See <https://learn.microsoft.com/azure/iot-edge/module-deployment-monitoring> 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

-InputObject <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub>

IotHub object

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-IoTHubName <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 deployment.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Metric <System.Collections.Hashtable>

Queries collection for IoT Edge deployment metrics definition.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ModulesContent <System.Collections.Hashtable>

Deployment content of modules for IoT Edge devices.

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

-Priority <System.Int32>

Weight of deployment 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 an Edge deployment 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.PSDeployment

NOTES

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

Add-AzIotHubDeployment -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -Name "deploy1"

Create an Edge deployment with default metadata.

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

```
Add-AzIotHubDeployment -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -Name "deploy1" -Priority
3 -TargetCondition "tags.building=9 and
tags.environment='test'"
```

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

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

```
$metrics = @{}
$metrics.add("query1", "select deviceId from devices where tags.location='US'")
Add-AzIotHubDeployment -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -Name "deploy1" -Metric
$metrics
```

Create an Edge deployment with user metrics.

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

```
$labels = @{}
$labels.add("key0", "value0")
$labels.add("key1", "value1")
Add-AzIotHubDeployment -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -Name "deploy1" -Label
$labels
```

Create an Edge deployment with labels.

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

```
$content = Get-Content "C:/Edge/modules.json" | ConvertFrom-Json -AsHashtable
```

```
Add-AzIoTHubDeployment -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -Name "deploy1"
```

```
-ModulesContent $content -TargetCondition "from devices.modules
```

```
where tags.environment='test'"
```

Create an Edge deployment with content.

RELATED LINKS

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