



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

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

NAME

Add-AzIotHubDevice

SYNOPSIS

Create a device in an IoT Hub.

SYNTAX

```
Add-AzIotHubDevice [-InputObject] <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub> [-DeviceId]
<System.String> [-AuthMethod {shared_private_key |
x509_thumbprint | x509_ca}] [-Children <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EdgeEnabled] [-Force] -PrimaryThumbprint <System.String> [-ParentDeviceId <System.String>] [-SecondaryThumbprint
<System.String>] [-Status {Enabled | Disabled}]
[-StatusReason <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Add-AzIotHubDevice [-ResourceGroupName] <System.String> [-DeviceId] <System.String> [-IotHubName]
<System.String> [-AuthMethod {shared_private_key | x509_thumbprint |
x509_ca}] [-Children <System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EdgeEnabled]
```

[-Force] -PrimaryThumbprint <System.String> [-ParentDeviceId <System.String>] [-SecondaryThumbprint <System.String>] [-Status {Enabled | Disabled}] [-StatusReason <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

Add-AzIotHubDevice [-ResourceId] <System.String> [-DeviceId] <System.String> [-AuthMethod {shared_private_key | x509_thumbprint | x509_ca}] [-Children <System.String[]>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EdgeEnabled] [-Force]

-PrimaryThumbprint <System.String> [-ParentDeviceId <System.String>] [-SecondaryThumbprint <System.String>] [-Status {Enabled | Disabled}] [-StatusReason <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Create a device with different authorization type in an IoT Hub.

PARAMETERS

-AuthMethod <Microsoft.Azure.Commands.Management.IotHub.Models.PSDeviceAuthType>

The authorization type an entity is to be created with.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Children <System.String[]>

Add child device list (comma separated) includes only non-edge devices.

Required? false

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

-DeviceId <System.String>

Target Device Id.

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

-EdgeEnabled <System.Management.Automation.SwitchParameter>

Flag indicating edge enablement.

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

-Force <System.Management.Automation.SwitchParameter>

Overwrites the non-edge device's parent device.

Required? false
Position? named
Default value False
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

-PrimaryThumbprint <System.String>

Explicit self-signed certificate thumbprint to use for primary key.

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

-ParentDeviceId <System.String>

Id of edge device.

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

-SecondaryThumbprint <System.String>

Explicit self-signed certificate thumbprint to use for secondary key.

Required? false

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Status <Microsoft.Azure.Commands.Management.IotHub.Models.PSDeviceStatus>

Set device status upon creation.

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

-StatusReason <System.String>

Description for device status.

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.PSlotHub

System.String

OUTPUTS

Microsoft.Azure.Commands.Management.IotHub.Models.PSDevice

NOTES

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

```
Add-AzIoTDevice -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -DeviceId "myDevice1"
-AuthMethod "shared_private_key" -EdgeEnabled
```

Create an edge enabled IoT device with default authorization (shared private key).

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

```
Add-AzIoTDevice -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -DeviceId "myDevice2"
-AuthMethod "x509_ca" -Status Disabled -StatusReason "Some Reason"
```

Create an IoT device with root CA authorization with disabled status and reason.

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

```
Add-AzIoTDevice -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -DeviceId "myDevice1"
-AuthMethod "shared_private_key" -EdgeEnabled -Children
device1,device2
```

Create an edge enabled IoT device and add child devices to it.

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

```
Add-AzIoTDevice -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -DeviceId "myDevice1"
-AuthMethod "shared_private_key" -ParentDeviceId parentDevice1
```

Create an IoT device and set its parent device.

