



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

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

NAME

Add-AzIotHubModule

SYNOPSIS

Create a module on a target IoT device in an IoT Hub.

SYNTAX

```
Add-AzIotHubModule [-InputObject] <Microsoft.Azure.Commands.Management.IoTHub.Models.PSIotHub> [-DeviceId]
<System.String> [-ModuleId] <System.String> [-AuthMethod
    {shared_private_key | x509_thumbprint | x509_ca}] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
    [-PrimaryThumbprint <System.String> [-SecondaryThumbprint <System.String>] [-Confirm] [-WhatIf]
    [<CommonParameters>]
```

```
Add-AzIotHubModule [-ResourceGroupName] <System.String> [-DeviceId] <System.String> [-IotHubName]
<System.String> [-ModuleId] <System.String> [-AuthMethod
    {shared_private_key | x509_thumbprint | x509_ca}] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
    [-PrimaryThumbprint <System.String> [-SecondaryThumbprint <System.String>] [-Confirm] [-WhatIf]
```

[<CommonParameters>]

Add-AzIotHubModule [-ResourceId] <System.String> [-DeviceId] <System.String> [-ModuleId] <System.String>
[-AuthMethod {shared_private_key | x509_thumbprint | x509_ca}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -PrimaryThumbprint
<System.String>
[-SecondaryThumbprint <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Create a module on a target IoT 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

-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

-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

-ModuleId <System.String>

Target Module Id.

Required? true

Position? 2

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

-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

-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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.Azure.Commands.Management.IotHub.Models.PSlotHub

System.String

OUTPUTS

Microsoft.Azure.Commands.Management.IoTHub.Models.PSModule

NOTES

RELATED LINKS

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

```
Add-AzIoTHubModule -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -DeviceId "myDevice1"
-ModuleId "myModule1" -AuthMethod shared_private_key
```

```
ModuleId          : myModule1
DeviceId          : myDevice1
GenerationId      : 637148941292917073
ETag              : "NzlyMDI4MTk3"
LastActivityTime  : 1/1/0001 12:00:00 AM
ConnectionState   : Disconnected
ConnectionStateUpdatedTime : 1/1/0001 12:00:00 AM
CloudToDeviceMessageCount : 0
Authentication    : Sas
ManagedBy        :
```

Create a module on a target IoT device with default authorization (shared private key).

RELATED LINKS

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