



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

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

NAME

Get-AzIotHubModule

SYNOPSIS

Get the details of an IoT device module or list modules located on an IoT device in an IoT Hub.

SYNTAX

```
Get-AzIotHubModule [-InputObject] <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub> [-DeviceId]
<System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ModuleId]
<System.String>] [<CommonParameters>]
```

```
Get-AzIotHubModule [-ResourceGroupName] <System.String> [-DeviceId] <System.String> [-IotHubName]
<System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ModuleId]
<System.String>] [<CommonParameters>]
```

```
Get-AzIotHubModule [-ResourceId] <System.String> [-DeviceId] <System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ModuleId]
```

<System.String>] [<CommonParameters>]

DESCRIPTION

Get the details of an IoT device module or list modules located on an IoT device in an IoT Hub.

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

-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

-lotHubName <System.String>

Name of the lot Hub

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ModuleId <System.String>

Target Module Id.

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

<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

Microsoft.Azure.Commands.Management.IotHub.Models.PSModules[]

NOTES

```
Get-AzIoTModule -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -DeviceId "myDevice1"
-ModuleId "myModule1"
```

```
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     :
```

Get the details of an IoT device module in an IoT Hub.

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

```
Get-AzIoTModule -ResourceGroupName "myresourcegroup" -IoTHubName "myiothub" -DeviceId "myDevice1"
```

```
Module Id Device Id Connection State Authentication Last Activity Time
```

```
-----
```

```
module1 myDevice1 Disconnected Sas 1/1/0001 12:00:00 AM
module2 myDevice1 Disconnected Sas 1/1/0001 12:00:00 AM
```

Show all modules located on an IoT device in an IoT Hub.

RELATED LINKS

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

