



Windows PowerShell Get-Help on Cmdlet 'Update-AzIotHubDeviceTwin'

PS:\>Get-HELP Update-AzIotHubDeviceTwin -Full

NAME

Update-AzIotHubDeviceTwin

SYNOPSIS

Updates tags and desired properties of a device twin.

SYNTAX

```
Update-AzIotHubDeviceTwin [-InputObject] <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub>
[-DeviceId] <System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Desired
    <System.Collections.Hashtable>] [-Partial] [-Tag
    <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

Update-AzIotHubDeviceTwin [-ResourceGroupName] <System.String> [-DeviceId] <System.String> [-IotHubName]
<System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Desired
    <System.Collections.Hashtable>] [-Partial] [-Tag
    <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Update-AzIotHubDeviceTwin [-ResourceId] <System.String> [-DeviceId] <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Desired
<System.Collections.Hashtable>] [-Partial] [-Tag
<System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Updates or replaces a device twin. See <https://learn.microsoft.com/azure/iot-hub/iot-hub-devguide-device-twins> 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

-Desired <System.Collections.Hashtable>

Add or update the desired property in a device twin.

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.PS IoT Hub>

IoT Hub object

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-IoT HubName <System.String>

Name of the IoT Hub

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

-Partial <System.Management.Automation.SwitchParameter>

Allows to only partially update the tags and desired properties of a device twin.

Required? false
Position? named
Default value False
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

-Tag <System.Collections.Hashtable>

Add or update the tags property in a device twin.

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

System.String

NOTES

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

```
Update-AzIotHubDeviceTwin -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -DeviceId "myDevice1"  
-Tag $updatedTag -Desired $updatedDesired -Partial
```

Returns the updated device twin object.

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

```
Update-AzIotHubDeviceTwin -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -DeviceId "myDevice1"  
-Desired $updatedDesired -Partial
```

Returns the device twin object with updated desired properties.

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

```
Update-AzIotHubDeviceTwin -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -DeviceId "myDevice1"  
-Tag $updatedTag -Partial
```

Returns the device twin object with updated tags property.

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

```
$updatedTag = @{}
```

```
$updatedTag.add("key0","value0")
```

```
$updatedDesired =@{}
```

```
$updatedDesired.add("desiredkey","desiredvalue")
```

Update-AzIotHubDeviceTwin -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -DeviceId "myDevice1"
-Tag \$updatedTag -Desired \$updatedDesired

Returns the replaced device twin object.

RELATED LINKS

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