



Windows PowerShell Get-Help on Cmdlet 'New-AzIotHub'

PS:\>Get-HELP New-AzIotHub -Full

NAME

New-AzIotHub

SYNOPSIS

Creates a new IoT Hub.

SYNTAX

```

New-AzIotHub [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Location
<System.String> -Name
    <System.String> [-Properties <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHubInputProperties>]
-ResourceGroupName <System.String> -SkuName {F1 | S1 | S2 |
    S3 | B1 | B2 | B3} [-Tag <System.Collections.Hashtable>] -Units <System.Int64> [-Confirm] [-WhatIf]
[<CommonParameters>]
  
```

DESCRIPTION

Creates a new IoT Hub. You can create the IoT Hub with either the default properties or specify the input properties.

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

-Location <System.String>

Location where the IoT hub needs to be created.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Name of the IoT Hub

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Properties <Microsoft.Azure.Commands.Management.IoT Hub.Models.PSIoTHubInputProperties>

Properties of the IoT hub.

Required? false

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

-ResourceGroupName <System.String>

Resource Group Name

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

-SkuName <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHubSku>

Name of the sku

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

-Tag <System.Collections.Hashtable>

IoT hub instance tags. Property bag in key-value pairs in the form of a hash table.

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

-Units <System.Int64>

Number of units

Required? true

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).

System.String

OUTPUTS

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

NOTES

---- Example 1 Create a new IoT Hub with default properties ----

```
$tags = @{}
```

```
$tags.Add('key1','value1')
```

```
New-AzIoT Hub -ResourceGroupName "myresourcegroup" -Name "myiothub" -SkuName "S1" -Units 1 -Location  
"northeurope" -Tag $tags
```

Creates a new IoT Hub named "myiothub" of the sku "S1", capacity 1 and location "northeurope" included with Tags.

Example 2 Create a new IoT Hub with the MaxDeliveryCount of the CloudToDevice Queue set to 20

```
New-AzIoT Hub -ResourceGroupName "myresourcegroup" -Name "myiothub" -SkuName "S1" -Units 1 -Location  
"northeurope" -Properties $properties
```

Creates a new IoT Hub named "myiothub" of the sku "S1", capacity 1 and location "northeurope" with advanced input properties represented by \$properties.

```
$psCloudToDeviceProperties = New-Object
```

```
Microsoft.Azure.Commands.Management.IotHub.Models.PSCloudToDeviceProperties -Property @{MaxDeliveryCount=20}
```

\$properties =

```
New-Object Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHubInputProperties -Property  
@{CloudToDevice=$psCloudToDeviceProperties} New-AzIotHub  
-ResourceGroupName "myresourcegroup" -Name "myiothub" -SkuName "S1" -Units 1 -Location "northeurope"  
-Properties $properties
```

RELATED LINKS

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