



Windows PowerShell Get-Help on Cmdlet 'Invoke-AzlotHubQuery'

PS:\>Get-HELP Invoke-AzlotHubQuery -Full

NAME

Invoke-AzlotHubQuery

SYNOPSIS

Query an IoT Hub using a powerful SQL-like language.

SYNTAX

```
Invoke-AzlotHubQuery [-InputObject] <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub> [-Query]
<System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Top
    <System.Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Invoke-AzlotHubQuery [-ResourceGroupName] <System.String> [-IotHubName] <System.String> [-Query]
<System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Top
    <System.Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Invoke-AzlotHubQuery [-ResourceId] <System.String> [-Query] <System.String> [-DefaultProfile
```

```
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Top
```

<System.Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Query an IoT Hub using a powerful SQL-like language to retrieve information regarding device and module twins, jobs and message routing. See

<https://learn.microsoft.com/azure/iot-hub/iot-hub-devguide-query-language> 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

-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

-Query <System.String>

User query to be executed.

Required? true
Position? 1
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

-Top <System.Int32>

Maximum number of elements to return. By default query has no cap.

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

System.String

OUTPUTS

System.String

NOTES

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

```
Invoke-AzIotHubQuery -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -Query "select * from devices"
```

Query all device twin data in an Azure IoT Hub.

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

```
Invoke-AzIotHubQuery -ResourceGroupName "myresourcegroup" -IotHubName "myiothub" -Query "select * from devices.modules where devices.deviceId = 'myDevice1'" -Top 2
```

Query top 2 module twin data on a target device.

RELATED LINKS

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