



Windows PowerShell Get-Help on Cmdlet 'Test-AzIotHubRoute'

PS:\>Get-HELP Test-AzIotHubRoute -Full

NAME

Test-AzIotHubRoute

SYNOPSIS

Test routes in IoT Hub

SYNTAX

```
Test-AzIotHubRoute [-InputObject] <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub> [-RouteName]
<System.String> [-AppProperty
                                <System.Collections.Hashtable>] [-Body <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-ShowError] [-SystemProperty <System.Collections.Hashtable>] [<CommonParameters>]
```

```
Test-AzIotHubRoute [-InputObject] <Microsoft.Azure.Commands.Management.IotHub.Models.PSIotHub> [-Source]
{Invalid | DeviceMessages | TwinChangeEvents |
    DeviceLifecycleEvents | DeviceJobLifecycleEvents | DigitalTwinChangeEvents} [-AppProperty
<System.Collections.Hashtable>] [-Body <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-SystemProperty
<System.Collections.Hashtable>] [<CommonParameters>]
```

```

Test-AzIotHubRoute [-ResourceGroupName] <System.String> [-Name] <System.String> [-RouteName] <System.String>
[-AppProperty <System.Collections.Hashtable>] [-Body
<System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ShowError]
[-SystemProperty
<System.Collections.Hashtable>] [<CommonParameters>]

```

```

Test-AzIotHubRoute [-ResourceGroupName] <System.String> [-Name] <System.String> [-Source] {Invalid |
DeviceMessages | TwinChangeEvents | DeviceLifecycleEvents |
DeviceJobLifecycleEvents | DigitalTwinChangeEvents} [-AppProperty <System.Collections.Hashtable>] [-Body
<System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-SystemProperty
<System.Collections.Hashtable>] [<CommonParameters>]

```

```

Test-AzIotHubRoute [-ResourceId] <System.String> [-RouteName] <System.String> [-AppProperty
<System.Collections.Hashtable>] [-Body <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ShowError]
[-SystemProperty <System.Collections.Hashtable>]
[<CommonParameters>]

```

```

Test-AzIotHubRoute [-ResourceId] <System.String> [-Source] {Invalid | DeviceMessages | TwinChangeEvents |
DeviceLifecycleEvents | DeviceJobLifecycleEvents |
DigitalTwinChangeEvents} [-AppProperty <System.Collections.Hashtable>] [-Body <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-SystemProperty
<System.Collections.Hashtable>] [<CommonParameters>]

```

DESCRIPTION

Test a specific route.

-AppProperty <System.Collections.Hashtable>

App properties of the route message

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Body <System.String>

Body of the route message

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

-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

-Name <System.String>

Name of the Iot Hub

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

-RouteName <System.String>

Name of the Route

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

-ShowError <System.Management.Automation.SwitchParameter>

Show detailed error, if exist

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-Source <Microsoft.Azure.Commands.Management.IotHub.Models.PSRoutingSource>

Source of the route

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

-SystemProperty <System.Collections.Hashtable>

System properties of the route message

Required? false
Position? named
Default value None
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.PSTestRouteResult

Microsoft.Azure.Commands.Management.IotHub.Models.PSRouteCompilationError

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

NOTES

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

RouteName	DataSource	EndpointNames	IsEnabled
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R1	DeviceMessages events		True
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R5	DeviceMessages E1		True
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Test all route with source "DeviceMessages".

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

Test-AzIotHubRoute -ResourceGroupName "myresourcegroup" -Name "myiothub" -RouteName R1

Result : true

Test a specific route.

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

Test-AzIotHubRoute -ResourceGroupName "myresourcegroup" -Name "myiothub" -RouteName R1 -ShowError

ErrorMessage	Severity	LocationStartLine	LocationStartColumn	LocationEndLine	LocationEndColumn
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Syntax error. error	1	29	1	30	
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Test a specific route and showing the reason of failure.

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

\$ap = @{}
\$ap.add("key0","value0")

```
$sp = @{}
```

```
$sp.add("key1", "value1")
```

```
Test-AzIoTHubRoute -ResourceGroupName "myresourcegroup" -Name "myiothub" -RouteName R1 -AppProperty $sp  
-SystemProperty $sp
```

Result : true

Test a specific route with AppProperty and SystemProperty.

RELATED LINKS

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