



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

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

NAME

Invoke-AzKustoDataConnectionValidation

SYNOPSIS

Checks that the data connection parameters are valid.

SYNTAX

Invoke-AzKustoDataConnectionValidation -ClusterName <String> -DatabaseName <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Kind <Kind>

-DataConnectionName <String> -ConsumerGroup <String> -Location <String> -EventHubResourceId <String> [-DataFormat <String>] [-EventSystemProperty <String[]>]

[-MappingRuleName <String>] [-TableName <String>] [-Compression <Compression>] [-ManagedIdentityResourceId <String>] [-DatabaseRouting <DatabaseRouting>]

[-RetrievalStartDate <DateTime>] [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>]

[-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Invoke-AzKustoDataConnectionValidation -ClusterName <String> -DatabaseName <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Kind <Kind>

-DataConnectionName <String> -ConsumerGroup <String> -Location <String> -EventHubResourceId <String>
 [-DataFormat <String>] [-MappingRuleName <String>] [-TableName
 <String>] [-ManagedIdentityResourceId <String>] [-DatabaseRouting <DatabaseRouting>] -StorageAccountResourceId
 <String> [-EventGridResourceId <String>]
 [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend
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 <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Invoke-AzKustoDataConnectionValidation -ClusterName <String> -DatabaseName <String> -ResourceGroupName
 <String> [-SubscriptionId <String>] -Kind <Kind>
 -DataConnectionName <String> -ConsumerGroup <String> -Location <String> [-DataFormat <String>]
 [-EventSystemProperty <String[]>] [-MappingRuleName <String>]
 [-TableName <String>] [-DatabaseRouting <DatabaseRouting>] [-RetrievalStartDate <DateTime>] -IotHubResourceId
 <String> -SharedAccessPolicyName <String>
 [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend
 <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential
 <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Invoke-AzKustoDataConnectionValidation -InputObject <IKustoIdentity> -Kind <Kind> -DataConnectionName <String>
 -ConsumerGroup <String> -Location <String>
 -EventHubResourceId <String> [-DataFormat <String>] [-EventSystemProperty <String[]>] [-MappingRuleName <String>]
 [-TableName <String>] [-Compression <Compression>]
 [-ManagedIdentityResourceId <String>] [-DatabaseRouting <DatabaseRouting>] [-RetrievalStartDate <DateTime>]
 [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend
 <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm]
 [<CommonParameters>]

Invoke-AzKustoDataConnectionValidation -InputObject <IKustoIdentity> -Kind <Kind> -DataConnectionName <String>
 -ConsumerGroup <String> -Location <String>
 -EventHubResourceId <String> [-DataFormat <String>] [-MappingRuleName <String>] [-TableName <String>]
 [-ManagedIdentityResourceId <String>] [-DatabaseRouting
 <DatabaseRouting>] -StorageAccountResourceId <String> [-EventGridResourceId <String>] [-DefaultProfile <PSObject>]

[-Break] [-HttpPipelineAppend <SendAsyncStep[]>]

[-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Invoke-AzKustoDataConnectionValidation -InputObject <IKustoIdentity> -Kind <Kind> -DataConnectionName <String>

-ConsumerGroup <String> -Location <String> [-DataFormat

<String>] [-EventSystemProperty <String[]>] [-MappingRuleName <String>] [-TableName <String>] [-DatabaseRouting

<DatabaseRouting>] [-RetrievalStartDate <DateTime>]

-IotHubResourceId <String> -SharedAccessPolicyName <String> [-DefaultProfile <PSObject>] [-Break]

[-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend

<SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm]

[<CommonParameters>]

Invoke-AzKustoDataConnectionValidation -Kind <Kind> -DataConnectionName <String> -ConsumerGroup <String>

-Location <String> [-DataFormat <String>] [-MappingRuleName

<String>] [-TableName <String>] [-BlobStorageEventType <BlobStorageEventType>] [-IgnoreFirstRecord] [-DefaultProfile

<PSObject>] [-Break] [-HttpPipelineAppend

<SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm]

[<CommonParameters>]

Invoke-AzKustoDataConnectionValidation -Kind <Kind> -DataConnectionName <String> -ConsumerGroup <String>

-Location <String> [-DataFormat <String>] [-MappingRuleName

<String>] [-TableName <String>] [-BlobStorageEventType <BlobStorageEventType>] [-IgnoreFirstRecord] [-DefaultProfile

<PSObject>] [-Break] [-HttpPipelineAppend

<SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm]

[<CommonParameters>]

DESCRIPTION

Checks that the data connection parameters are valid.

PARAMETERS

-ClusterName <String>

The name of the Kusto cluster.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DatabaseName <String>

The name of the database in the Kusto cluster.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGroupName <String>

The name of the resource group containing the Kusto cluster.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

Gets subscription credentials which uniquely identify Microsoft Azure subscription.

The subscription ID forms part of the URI for every service call.

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

-InputObject <IKustoIdentity>

Identity Parameter

To construct, see NOTES section for INPUTOBJECT properties and create a hash table.

Required? true
Position? named
Default value
Accept pipeline input? true (ByValue)
Accept wildcard characters? false

-Kind <Kind>

Kind of the endpoint for the data connection

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

-DataConnectionName <String>

The name of the data connection.

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

-ConsumerGroup <String>

The event/iot hub consumer group.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Location <String>

Resource location.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EventHubResourceId <String>

The resource ID of the event hub to be used to create a data connection / event grid is configured to send events.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DataFormat <String>

The data format of the message.

Optionally the data format can be added to each message.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EventSystemProperty <String[]>

System properties of the event/iot hub.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MappingRuleName <String>

The mapping rule to be used to ingest the data.

Optionally the mapping information can be added to each message.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-TableName <String>

The table where the data should be ingested.

Optionally the table information can be added to each message.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Compression <Compression>

The event hub messages compression type.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ManagedIdentityResourceId <String>

The resource ID of a managed identity (system or user assigned) to be used to authenticate with external resources.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DatabaseRouting <DatabaseRouting>

Indication for database routing information from the data connection, by default only database routing information is allowed.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RetrievalStartDate <DateTime>

When defined, the data connection retrieves existing Event hub events created since the Retrieval start date.

It can only retrieve events retained by the Event hub, based on its retention period.

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

-lotHubResourceId <String>

The resource ID of the lot hub to be used to create a data connection.

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

-SharedAccessPolicyName <String>

The name of the share access policy.

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

-StorageAccountResourceId <String>

The resource ID of the storage account where the data resides.

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

-EventGridResourceId <String>

The resource ID of the event grid that is subscribed to the storage account events.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-BlobStorageEventType <BlobStorageEventType>

The name of blob storage event type to process.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IgnoreFirstRecord [<SwitchParameter>]

If set to true, indicates that ingestion should ignore the first record of every file.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

The credentials, account, tenant, and subscription used for communication with Azure.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Break [<SwitchParameter>]

Wait for .NET debugger to attach

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

SendAsync Pipeline Steps to be appended to the front of the pipeline

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

SendAsync Pipeline Steps to be prepended to the front of the pipeline

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Proxy <Uri>

The URI for the proxy server to use

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

-ProxyCredential <PSCredential>

Credentials for a proxy server to use for the remote call

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

-ProxyUseDefaultCredentials [<SwitchParameter>]

Use the default credentials for the proxy

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

-WhatIf [<SwitchParameter>]

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

-Confirm [<SwitchParameter>]

Required? false
Position? named
Default value
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.PowerShell.Cmdlets.Kusto.Models.IKustoIdentity

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.Kusto.Models.Api20230815.IDataConnectionValidationResult

NOTES

COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help about_Hash_Tables.

INPUTOBJECT <IKustoIdentity>: Identity Parameter

[AttachedDatabaseConfigurationName <String>]: The name of the attached database configuration.

[ClusterName <String>]: The name of the Kusto cluster.

[DataConnectionName <String>]: The name of the data connection.

[DatabaseName <String>]: The name of the database in the Kusto cluster.

[Id <String>]: Resource identity path

[Location <String>]: The name of Azure region.

[ManagedPrivateEndpointName <String>]: The name of the managed private endpoint.

[OperationId <String>]: The ID of an ongoing async operation.

[PrincipalAssignmentName <String>]: The name of the Kusto principalAssignment.

[PrivateEndpointConnectionName <String>]: The name of the private endpoint connection.

[PrivateLinkResourceName <String>]: The name of the private link resource.

[ResourceGroupName <String>]: The name of the resource group. The name is case insensitive.

[SandboxCustomImageName <String>]: The name of the sandbox custom image.

[ScriptName <String>]: The name of the Kusto database script.

[SubscriptionId <String>]: The ID of the target subscription.

----- EXAMPLE 1 -----

```
PS C:\>Invoke-AzKustoDataConnectionValidation -ResourceGroupName "testrg" -ClusterName "testnewkustocluster"
-DatabaseName "mykustodatabase" -DataConnectionName
"myeventhubdc" -Location "East US" -Kind "EventHub" -EventHubResourceId
"/subscriptions/$subscriptionId/resourcegroups/testrg/providers/Microsoft.EventHub/namespaces/myeventhubns/eventhubs/
myeventhub" -DataFormat "JSON" -ConsumerGroup
'Default' -Compression "None" -TableName "Events" -MappingRuleName "NewEventsMapping"
```

----- EXAMPLE 2 -----

```
PS C:\>Invoke-AzKustoDataConnectionValidation -ResourceGroupName "testrg" -ClusterName "testnewkustocluster"
-DatabaseName "mykustodatabase" -DataConnectionName
```

"myeventgridc" -Location "East US" -Kind "EventGrid" -EventHubResourceId

"/subscriptions/\$subscriptionId/resourcegroups/testrg/providers/Microsoft.EventHub/namespaces/myeventhubns/eventhubs/
myeventhub" -StorageAccountResourceId

"/subscriptions/\$subscriptionId/resourcegroups/testrg/providers/Microsoft.Storage/storageAccounts/mystorage"

-DataFormat "JSON" -ConsumerGroup 'Default' -TableName

"Events" -MappingRuleName "NewEventsMapping"

----- EXAMPLE 3 -----

PS C:\>Invoke-AzKustoDataConnectionValidation -ResourceGroupName "testrg" -ClusterName "testnewkustocluster"

-DatabaseName "mykustodatabase" -DataConnectionName

"myiothubdc" -Location "East US" -Kind "IoT Hub" -IoT HubResourceId

"/subscriptions/\$subscriptionId/resourcegroups/testrg/providers/Microsoft.Devices/IoTHubs/myiothub"

-SharedAccessPolicyName "myiothubpolicy" -DataFormat "JSON" -ConsumerGroup 'Default' -TableName "Events"

-MappingRuleName "NewEventsMapping"

----- EXAMPLE 4 -----

PS C:\>\$database = Get-AzKustoDatabase -ResourceGroupName "testrg" -ClusterName "testnewkustocluster"

-DatabaseName "mykustodatabase"

Invoke-AzKustoDataConnectionValidation -InputObject \$database -DataConnectionName "myeventhubdc" -Location

"East US" -Kind "EventHub" -EventHubResourceId

"/subscriptions/\$subscriptionId/resourcegroups/testrg/providers/Microsoft.EventHub/namespaces/myeventhubns/eventhubs/
myeventhub" -DataFormat "JSON" -ConsumerGroup

'Default' -Compression "None" -TableName "Events" -MappingRuleName "NewEventsMapping"

----- EXAMPLE 5 -----

```
PS C:\>$database = Get-AzKustoDatabase -ResourceGroupName "testrg" -ClusterName "testnewkustocluster"  
-DatabaseName "mykustodatabase"
```

```
Invoke-AzKustoDataConnectionValidation -InputObject $database -DataConnectionName "myeventgridc" -Location  
"East US" -Kind "EventGrid" -EventHubResourceId
```

"/subscriptions/\$subscriptionId/resourcegroups/testrg/providers/Microsoft.EventHub/namespaces/myeventhubns/eventhubs/
myeventhub" -StorageAccountResourceId

```
"/subscriptions/$subscriptionId/resourcegroups/testrg/providers/Microsoft.Storage/storageAccounts/mystorage"  
-DataFormat "JSON" -ConsumerGroup 'Default' -TableName  
"Events" -MappingRuleName "NewEventsMapping"
```

----- EXAMPLE 6 -----

```
PS C:\>$database = Get-AzKustoDatabase -ResourceGroupName "testrg" -ClusterName "testnewkustocluster"  
-DatabaseName "mykustodatabase"
```

```
Invoke-AzKustoDataConnectionValidation -InputObject $database -DataConnectionName "myiothubdc" -Location "East  
US" -Kind "IoT Hub" -IoT HubResourceId
```

"/subscriptions/\$subscriptionId/resourcegroups/testrg/providers/Microsoft.Devices/IotHubs/myiothub"

-SharedAccessPolicyName "myiothubpolicy" -DataFormat "JSON"

-ConsumerGroup 'Default' -TableName "Events" -MappingRuleName "NewEventsMapping"

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.kusto/invoke-azkustodataconnectionvalidation>