



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

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

NAME

New-AzDiagnosticSetting

SYNOPSIS

Creates or updates diagnostic settings for the specified resource.

SYNTAX

```
New-AzDiagnosticSetting -Name <String> -ResourceId <String> [-EventHubAuthorizationRuleId <String>]
[-EventHubName <String>] [-Log <ILogSettings[]>]
[-LogAnalyticsDestinationType <String>] [-MarketplacePartnerId <String>] [-Metric <IMetricSettings[]>]
[-ServiceBusRuleId <String>] [-StorageAccountId <String>]
[-WorkspaceId <String>] [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>]
[-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>]
[-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]
```

DESCRIPTION

Creates or updates diagnostic settings for the specified resource.

PARAMETERS

-Name <String>

The name of the diagnostic setting.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceId <String>

The identifier of the resource.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EventHubAuthorizationRuleId <String>

The resource Id for the event hub authorization rule.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EventHubName <String>

The name of the event hub.

If none is specified, the default event hub will be selected.

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

-Log <ILogSettings[]>

The list of logs settings.

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

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

-LogAnalyticsDestinationType <String>

A string indicating whether the export to Log Analytics should use the default destination type, i.e.

AzureDiagnostics, or use a destination type constructed as follows: <normalized service identity>_<normalized category name>.

Possible values are: Dedicated and null (null is default.)

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

-MarketplacePartnerId <String>

The full ARM resource ID of the Marketplace resource to which you would like to send Diagnostic Logs.

Required? false
Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Metric <IMetricSettings[]>

The list of metric settings.

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

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ServiceBusRuleId <String>

The service bus rule Id of the diagnostic setting.

This is here to maintain backwards compatibility.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-StorageAccountId <String>

The resource ID of the storage account to which you would like to send Diagnostic Logs.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-WorkspaceId <String>

The full ARM resource ID of the Log Analytics workspace to which you would like to send Diagnostic Logs.

Example:

/subscriptions/4b9e8510-67ab-4e9a-95a9-e2f1e570ea9c/resourceGroups/insights-integration/providers/Microsoft.Operation
allInsights/workspaces/viruela2

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

The DefaultProfile parameter is not functional.

Use the SubscriptionId parameter when available if executing the cmdlet against a different subscription.

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>).

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.Monitor.DiagnosticSetting.Models.Api20210501Preview.IDiagnosticSettingsResource

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.

LOG <ILogSettings[]>: The list of logs settings.

Enabled <Boolean>: a value indicating whether this log is enabled.

[Category <String>]: Name of a Diagnostic Log category for a resource type this setting is applied to. To obtain the list of Diagnostic Log categories for a

resource, first perform a GET diagnostic settings operation.

[CategoryGroup <String>]: Name of a Diagnostic Log category group for a resource type this setting is applied to. To obtain the list of Diagnostic Log

categories for a resource, first perform a GET diagnostic settings operation.

[RetentionPolicyDay <Int32?>]: the number of days for the retention in days. A value of 0 will retain the events indefinitely.

[RetentionPolicyEnabled <Boolean?>]: a value indicating whether the retention policy is enabled.

METRIC <IMetricSettings[]>: The list of metric settings.

Enabled <Boolean>: a value indicating whether this category is enabled.

[Category <String>]: Name of a Diagnostic Metric category for a resource type this setting is applied to. To obtain the list of Diagnostic metric categories for

a resource, first perform a GET diagnostic settings operation.

[RetentionPolicyDay <Int32?>]: the number of days for the retention in days. A value of 0 will retain the events

indefinitely.

[RetentionPolicyEnabled <Boolean?>]: a value indicating whether the retention policy is enabled.

[TimeGrain <TimeSpan?>]: the timegrain of the metric in ISO8601 format.

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

```
PS C:\>$subscriptionId = (Get-AzContext).Subscription.Id

$metric = @()
$log = @()

$metric += New-AzDiagnosticSettingMetricSettingsObject -Enabled $true -Category AllMetrics -RetentionPolicyDay 7
-RetentionPolicyEnabled $true

$log += New-AzDiagnosticSettingLogSettingsObject -Enabled $true -Category ContainerEventLogs -RetentionPolicyDay
7 -RetentionPolicyEnabled $true

New-AzDiagnosticSetting -Name test-setting -ResourceId

    /subscriptions/$subscriptionId/resourceGroups/test-rg-name/providers/Microsoft.AppPlatform/Spring/springcloud-001
-WorkspaceId

/subscriptions/$subscriptionId/resourceGroups/test-rg-name/providers/microsoft.operationalinsights/workspaces/test-worksp
ace -Log $log -Metric $metric
```

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

```
PS C:\>$subscriptionId = (Get-AzContext).Subscription.Id

$metric = @()
$log = @()

$categories = Get-AzDiagnosticSettingCategory -ResourceId

/subscriptions/$subscriptionId/resourceGroups/test-rg-name/providers/Microsoft.AppPlatform/Spring/springcloud-001

$categories | ForEach-Object {if($_.CategoryType -eq "Metrics"){ $metric+=New-AzDiagnosticSettingMetricSettingsObject
```

-Enabled \$true -Category \$_.Name

-RetentionPolicyDay 7 -RetentionPolicyEnabled \$true} else{\$log+=New-AzDiagnosticSettingLogSettingsObject -Enabled \$true -Category \$_.Name -RetentionPolicyDay 7
-RetentionPolicyEnabled \$true}}

New-AzDiagnosticSetting -Name test-setting -ResourceId

/subscriptions/\$subscriptionId/resourceGroups/test-rg-name/providers/Microsoft.AppPlatform/Spring/springcloud-001

-WorkspaceId

/subscriptions/\$subscriptionId/resourceGroups/test-rg-name/providers/microsoft.operationalinsights/workspaces/test-workspace -Log \$log -Metric \$metric

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.monitor/new-azdiagnosticsetting>