



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

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

NAME

New-AzApiManagementDiagnostic

SYNOPSIS

Creates a new diagnostics at the Global scope or Api Scope.

SYNTAX

New-AzApiManagementDiagnostic [-AlwaysLog <System.String>] [-ApiId <System.String>] [-BackendSetting

<Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementPipelineDiagnosticSetting>]

-Context

<Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementContext> [-DefaultProfile

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

<System.String>] [-FrontEndSetting

<Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementPipelineDiagnosticSetting>]

-LoggerId <System.String> [-SamplingSetting

<Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementSamplingSetting>]

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

DESCRIPTION

The cmdlet New-AzApiManagementDiagnostic creates a diagnostic entity either at Global scope or specific Api scope.

PARAMETERS

-AlwaysLog <System.String>

Specifies for what type of messages sampling settings should not apply. This parameter is optional.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ApiId <System.String>

Identifier of existing API. If specified will set API-scope policy. This parameters is required.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-BackendSetting

<Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementPipelineDiagnosticSetting>

Diagnostic setting for incoming/outgoing Http Messages to the Backend. This parameter is optional.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Context <Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementContext>

Instance of PsApiManagementContext. This parameter is required.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

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

-DiagnosticId <System.String>

Identifier of the diagnostics entity. This parameter is optional.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-FrontEndSetting

<Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementPipelineDiagnosticSetting>

Diagnostic setting for incoming/outgoing Http Messages to the Gateway. This parameter is optional.

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

-LoggerId <System.String>

Identifier of the logger to push diagnostics to. This parameter is required.

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

-SamplingSetting

<Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementSamplingSetting>

Sampling Setting of the Diagnostic. This parameter is optional.

Required? false
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
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>).

INPUTS

Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementContext

System.String

Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementSamplingSetting

Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementPipelineDiagnosticSetting

OUTPUTS

Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementDiagnostic

NOTES

----- Example 1: Create a new Global scope Diagnostic -----

```
$context = New-AzApiManagementContext -ResourceGroupName "Api-Default-WestUS" -ServiceName "contoso"
$logger = Get-AzApiManagementLogger -Context $context -LoggerId "backendapisachinc"
$samplingsetting = New-AzApiManagementSamplingSetting -SamplingType fixed -SamplingPercentage 100
New-AzApiManagementDiagnostic -LoggerId $logger.LoggerId -Context $context -AlwaysLog allErrors -SamplingSetting
$samplingSetting -DiagnosticId "applicationinsights"
```

```
DiagnosticId      : applicationinsights
ApId              :
AlwaysLog         : allErrors
LoggerId          : backendapisachinc
EnableHttpCorrelationHeaders : True
                  SamplingSetting                                     :
Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementSamplingSetting
FrontendSetting   :
BackendSetting    :
                  Id                                                :
/subscriptions/subid/resourceGroups/Api-Default-WestUs/providers/Microsoft.ApiManagement/service/contoso/diagnostics/a
pplicationinsights
ResourceGroupName : Api-Default-WestUs
ServiceName       : contoso
```

This example create a diagnostic entity at the Global Scope.

----- Example 2: Create a diagnostic at Api scope -----

```
$context = New-AzApiManagementContext -ResourceGroupName "Api-Default-WestUS" -ServiceName "contoso"
$logger = Get-AzApiManagementLogger -Context $context -LoggerId azuremonitor
$samplingsetting = New-AzApiManagementSamplingSetting -SamplingType fixed -SamplingPercentage 100
$httpMessageDiagnostic = New-AzApiManagementHttpMessageDiagnostic -HeadersToLog 'Content-Type', 'User-Agent'
-BodyBytesToLog 100

$pipelineDiagnostic = New-AzApiManagementPipelineDiagnosticSetting -Request $httpMessageDiagnostic -Response
$httpMessageDiagnostic

New-AzApiManagementDiagnostic -LoggerId $logger.LoggerId -Context $context -ApiId httpbin -AlwaysLog allErrors
-SamplingSetting $samplingsetting -FrontEndSetting

$pipelineDiagnostic -BackendSetting $pipelineDiagnostic -DiagnosticId azuremonitor
```

```
DiagnosticId          : azuremonitor
ApiId                 : httpbin
AlwaysLog             : allErrors
LoggerId              : azuremonitor
EnableHttpCorrelationHeaders :

                        SamplingSetting                                     :
Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementSamplingSetting
                        FrontendSetting                                   :
Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementPipelineDiagnosticSetting
                        BackendSetting                                   :
Microsoft.Azure.Commands.ApiManagement.ServiceManagement.Models.PsApiManagementPipelineDiagnosticSetting
Id                    :

/subscriptions/subid/resourceGroups/Api-Default-WestUS/providers/Microsoft.ApiManagement/service/contoso/apis/httpbin/
diagnostics/azuremonitor

ResourceGroupName      : Api-Default-WestUS
ServiceName            : contoso
```

The example above create a diagnostic for the API `httpbin` to log the Header and 100 Bytes of Body to `azuremonitor` logger.

RELATED LINKS

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

[Get-AzApiManagementDiagnostic](#)

[Remove-AzApiManagementDiagnostic](#)

[Set-AzApiManagementDiagnostic](#)

[New-AzApiManagementHttpMessageDiagnostic](#)

[New-AzApiManagementSamplingSetting](#)