



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

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

NAME

New-AzFrontDoorRulesEngineActionObject

SYNOPSIS

Create a PSRulesEngineAction object for creating a rules engine rule.

SYNTAX

```
New-AzFrontDoorRulesEngineActionObject -BackendPoolName <System.String> [-CustomForwardingPath
<System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DynamicCompression {Enabled | Disabled}] [-EnableCaching
<System.Boolean>] [-ForwardingProtocol <System.String>] -FrontDoorName <System.String>
[-QueryParamStripDirective <System.String>] [-RequestHeaderAction
<System.Collections.Generic.List`1[Microsoft.Azure.Commands.FrontDoor.Models.PSHeaderAction]>]
-ResourceGroupName <System.String> [-ResponseHeaderAction
<System.Collections.Generic.List`1[Microsoft.Azure.Commands.FrontDoor.Models.PSHeaderAction]>]
[<CommonParameters>]
```

New-AzFrontDoorRulesEngineActionObject [-CustomFragment <System.String>] [-CustomHost <System.String>] [-CustomPageString <System.String>]

```

[-CustomPath <System.String>] [-CustomQueryString
                                     <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-RedirectProtocol
<System.String>]
                                     [-RedirectType <System.String>] [-RequestHeaderAction
<System.Collections.Generic.List`1[Microsoft.Azure.Commands.FrontDoor.Models.PSHeaderAction]>]
                                     [-ResponseHeaderAction
<System.Collections.Generic.List`1[Microsoft.Azure.Commands.FrontDoor.Models.PSHeaderAction]>]
[-<CommonParameters>]

```

DESCRIPTION

Create a PSRulesEngineAction object for creating a rules engine rule.

Use cmdlet "New-AzFrontDoorHeaderActionObject" to create PSHeaderObjects to pass into the parameters "-RequestHeaderActions" and "-ResponseHeaderActions".

PARAMETERS

-BackendPoolName <System.String>

The name of the BackendPool which this rule routes to

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CustomForwardingPath <System.String>

The custom path used to rewrite resource paths matched by this rule. Leave empty to use incoming path.

Required? false

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-CustomFragment <System.String>

Fragment to add to the redirect URL. Fragment is the part of the URL that comes after #. Do not include the #.

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

-CustomHost <System.String>

Host to redirect. Leave empty to use the incoming host as the destination host.

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

-CustomPath <System.String>

The full path to redirect. Path cannot be empty and must start with /. Leave empty to use the incoming path as destination path.

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

-CustomQueryString <System.String>

The set of query strings to be placed in the redirect URL. Setting this value would replace any existing query string; leave empty to preserve the incoming query

string. Query string must be in <key>=<value> format. The first ? and & will be added automatically so do not include them in the front, but do separate multiple query strings with &.

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

-DynamicCompression <Microsoft.Azure.Commands.FrontDoor.Models.PSEnabledState>

Whether to enable dynamic compression for cached content. Default value is Enabled

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

-EnableCaching <System.Boolean>

Whether to enable caching for this route. Default value is false

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

-ForwardingProtocol <System.String>

The protocol this rule will use when forwarding traffic to backends. Default value is MatchRequest

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

-FrontDoorName <System.String>

The name of the Front Door to which this routing rule belongs.

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

-QueryParameterStripDirective <System.String>

The treatment of URL query terms when forming the cache key. Default value is StripAll

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

-RedirectProtocol <System.String>

The protocol of the destination to where the traffic is redirected. Default value is MatchRequest

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RedirectType <System.String>

The redirect type the rule will use when redirecting traffic. Default Value is Moved

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RequestHeaderAction

<System.Collections.Generic.List`1[Microsoft.Azure.Commands.FrontDoor.Models.PSHeaderAction]>

A list of header actions to apply from the request from AFD to the origin.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

The resource group name that the RoutingRule will be created in.

Required? true

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-ResponseHeaderAction

<System.Collections.Generic.List`1[Microsoft.Azure.Commands.FrontDoor.Models.PSHeaderAction]>

A list of header actions to apply from the response from AFD to the client.

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>).

INPUTS

None

OUTPUTS

Microsoft.Azure.Commands.FrontDoor.Models.PSRulesEngineAction

NOTES

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

```
$headerActions = New-AzFrontDoorHeaderActionObject -HeaderActionType "Append" -HeaderName
"X-Content-Type-Options" -Value "nosniff"
$headerActions
```

HeaderName	HeaderActionType	Value
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X-Content-Type-Options	Append	nosniff
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```
$rulesEngineAction = New-AzFrontDoorRulesEngineActionObject -ResponseHeaderAction $headerActions
$rulesEngineAction
```

RequestHeaderActions	ResponseHeaderActions	RouteConfigurationOverride
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{}	{X-Content-Type-Options}	
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Create a rules engine action that append response header value and show how to view the properties of the rules engine action created.

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

```
$rulesEngineAction = New-AzFrontDoorRulesEngineActionObject -RequestHeaderAction $headerActions
-ForwardingProtocol HttpsOnly -BackendPoolName mybackendpool
-ResourceGroupName Jessicl-Test-RG -FrontDoorName jessicl-test-myappfrontend -QueryParameterStripDirective
StripNone -DynamicCompression Disabled -EnableCaching $true
$rulesEngineAction
```

RequestHeaderAction	ResponseHeaderAction	RouteConfigurationOverride
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{headeraction1, headeraction2} {}

Microsoft.Azure.Commands.FrontDoor.Models.PSForwardingConfiguration

\$rulesEngineAction.RequestHeaderAction

HeaderName	HeaderActionType	Value
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headeraction1	Overwrite	
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headeraction2	Append	
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\$rulesEngineAction.ResponseHeaderAction

\$rulesEngineAction.RouteConfigurationOverride

CustomForwardingPath :

ForwardingProtocol : HttpsOnly

BackendPoolId

:

/subscriptions/47f4bc68-6fe4-43a2-be8b-dfd0e290efa2/resourceGroups/myresourcegroup/provi

ders/Microsoft.Network/frontDoors/myfrontdoor/BackendPools/mybackendpool

QueryParameterStripDirective : StripNone

DynamicCompression : Disabled

EnableCaching : True

Create a rules engine action that forwards the requests to a specific backend pool and show how to view the properties of the rules engine action created.

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

```
$rulesEngineAction = New-AzFrontDoorRulesEngineActionObject -RedirectType Moved -RedirectProtocol MatchRequest  
-CustomHost www.contoso.com
```

\$rulesEngineAction

RequestHeaderActions ResponseHeaderActions RouteConfigurationOverride

}

}

Microsoft.Azure.Commands.FrontDoor.Models.PSRedirectConfiguration

\$rulesEngineAction.RouteConfigurationOverride

RedirectType : Moved

RedirectProtocol : MatchRequest

CustomHost : www.contoso.com

CustomPath :

CustomFragment :

CustomQueryString :

Create a rules engine action that redirects the requests to another host and show how to view the properties of the rules engine action created.

RELATED LINKS

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