



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

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

WARNING: The names of some imported commands from the module 'Microsoft.Azure.PowerShell.Cmdlets.Network' include unapproved verbs that might make them less discoverable.

To find the commands with unapproved verbs, run the Import-Module command again with the Verbose parameter. For a list of approved verbs, type Get-Verb.

NAME

New-AzApplicationGatewayPathRuleConfig

SYNOPSIS

Creates an application gateway path rule.

SYNTAX

```

New-AzApplicationGatewayPathRuleConfig [-BackendAddressPool
<Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayBackendAddressPool>] [-BackendHttpSettings
<Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayBackendHttpSettings>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-FirewallPolicy
<Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayWebApplicationFirewallPolicy>] -Name
<System.String> -Paths <System.String[]> [-RedirectConfiguration
<Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayRedirectConfiguration>] [-RewriteRuleSet
<Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayRewriteRuleSet>] [<CommonParameters>]

```

```

New-AzApplicationGatewayPathRuleConfig [-BackendAddressPoolId <System.String>] [-BackendHttpSettingsId
<System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-FirewallPolicyId
<System.String>] -Name <System.String> -Paths
<System.String[]> [-RedirectConfigurationId <System.String>] [-RewriteRuleSetId <System.String>]
[<CommonParameters>]

```

DESCRIPTION

The `New-AzApplicationGatewayPathRuleConfig` cmdlet creates an application gateway path rule. Rules created by this cmdlet can be added to a collection of URL path map

configuration settings and then assigned to a gateway. Path map configuration settings are used in application gateway load balancing.

PARAMETERS

`-BackendAddressPool <Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayBackendAddressPool>`

Specifies an object reference to a collection of backend address pool settings to be added to the gateway path rules configuration settings. You can create this

object reference by using the `New-AzApplicationGatewayBackendAddressPool` cmdlet and syntax similar to this:

```
`$AddressPool =
```

```
New-AzApplicationGatewayBackendAddressPool -Name "ContosoAddressPool" -BackendIPAddresses "192.168.1.1",
"192.168.1.2"
```

The preceding command adds two IP

addresses (192.16.1.1 and 192.168.1.2) to the address pool. Note that the IP address are enclosed in quote marks and separated by using commas. The resulting

variable, `$AddressPool`, can then be used as the parameter value for the `DefaultBackendAddressPool` parameter. The backend address pool represents the IP addresses

on the backend servers. These IP addresses should either belong to the virtual network subnet or should be public IP addresses. If you use this parameter you

cannot use the `DefaultBackendAddressPoolId` parameter in the same command.

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

-BackendAddressPoolId <System.String>

Specifies the ID of an existing backend address pool that can be added to the gateway path rule configuration settings.

Address pool IDs can be returned by using

the `Get-AzApplicationGatewayBackendAddressPool` cmdlet. After you have the ID you can then use the `DefaultBackendAddressPoolId` parameter instead of the

`DefaultBackendAddressPool` parameter. For instance: `-DefaultBackendAddressPoolId "/subscriptions/39c54063-01d3-4abf-8f4c-234777bc1f10/resourceGroups/appgw-rg/provid`

`ers/Microsoft.Network/applicationGateways/appgwtest/backendAddressPools/ContosoAddressPool"` The backend address pool represents the IP addresses on the backend

servers. These IP addresses should either belong to the virtual network subnet or should be public IP addresses.

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

-BackendHttpSettings <Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayBackendHttpSettings>

Specifies an object reference to a collection of backend HTTP settings to be added to the gateway path rule configuration settings. You can create this object

reference by using the `New-AzApplicationGatewayBackendHttpSettings` cmdlet and syntax similar to this:

`$HttpSettings = New-AzApplicationGatewayBackendHttpSettings`

`-Name "ContosoHttpSettings" -Port 80 -Protocol "Http" -CookieBasedAffinity "Disabled"` The resulting variable, `$HttpSettings`, can then be used as the parameter

value for the `DefaultBackendAddressPool` parameter: `-DefaultBackendHttpSettings $HttpSettings` The backend HTTP settings configure properties such as port,

protocol, and cookie-based affinity for a backend pool. If you use this parameter you cannot use the `DefaultBackendHttpSettingsId` parameter in the same command.

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

-BackendHttpSettingsId <System.String>

Specifies the ID of an existing backend HTTP settings collection that can be added to the gateway path rule configuration settings. HTTP setting IDs can be

returned by using the `Get-AzApplicationGatewayBackendHttpSettings` cmdlet. After you have the ID you can then use the `DefaultBackendHttpSettingsId` parameter

instead of the `DefaultBackendHttpSettings` parameter. For instance: `-DefaultBackendSettings Id "/subscriptions/39c54063-01d3-4abf-8f4c-234777bc1f10/resourceGroups/a`

`ppgw-rg/providers/Microsoft.Network/applicationGateways/appgwtest/backendHttpSettingsCollection/ContosoHttpSettings"`

The backend HTTP settings configure

properties such as port, protocol, and cookie-based affinity for a backend pool. If you use this parameter you cannot use the `DefaultBackendHttpSettings` parameter

in the same command.

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

-FirewallPolicy <Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayWebApplicationFirewallPolicy>

Specifies the object reference to a top-level firewall policy. The object reference can be created by using **New-AzApplicationGatewayWebApplicationFirewallPolicy**

cmdlet. \$firewallPolicy = New-AzApplicationGatewayFirewallPolicy -Name "wafPolicy1" -ResourceGroup "rgName" A firewall policy created using the above commandlet

can be referred at a path-rule level. The above command would create a default policy settings and managed rules. Instead of the default values, users can specify

PolicySettings, ManagedRules by using **New-AzApplicationGatewayFirewallPolicySettings** and **New-AzApplicationGatewayFirewallPolicyManagedRules** respectively.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-FirewallPolicyId <System.String>

Specifies the ID of an existing top-level web application firewall resource. Firewall policy IDs can be returned by using the

Get-AzApplicationGatewayWebApplicationFirewallPolicy cmdlet. After we have the ID you can use **FirewallPolicyId** parameter instead of **FirewallPolicy** parameter. For

instance: **-FirewallPolicyId**

`/subscriptions/<subscription-id>/resourceGroups/<resource-group-id>/providers/Microsoft.Network/ApplicationGatewayWebApplicationFirew

allPolicies/<firewallPolicyName>`

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the path rule configuration that this cmdlet creates.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Paths <System.String[]>

Specifies one or more application gateway path rules.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RedirectConfiguration <Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayRedirectConfiguration>

Application gateway RedirectConfiguration

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RedirectConfigurationId <System.String>

ID of the application gateway RedirectConfiguration

Required? false

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

-RewriteRuleSet <Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayRewriteRuleSet>

Application gateway RewriteRuleSet

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

-RewriteRuleSetId <System.String>

ID of the application gateway RewriteRuleSet

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.Network.Models.PSApplicationGatewayPathRule

NOTES

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

```
$Gateway = Get-AzApplicationGateway -Name "ContosoApplicationGateway"

$AddressPool = New-AzApplicationGatewayBackendAddressPool -Name "ContosoAddressPool" -BackendIPAddresses
"192.168.1.1", "192.168.1.2"

$HttpSettings = New-AzApplicationGatewayBackendHttpSetting -Name "ContosoHttpSettings" -Port 80 -Protocol "Http"
-CookieBasedAffinity "Disabled"

$PathRuleConfig = New-AzApplicationGatewayPathRuleConfig -Name "base" -Paths "/" -BackendAddressPool
$AddressPool -BackendHttpSettings $HttpSettings

Add-AzApplicationGatewayUrlPathMapConfig -ApplicationGateway $Gateway -Name "ContosoUrlPathMap" -PathRules
$PathRuleConfig -DefaultBackendAddressPool $AddressPool

-DefaultBackendHttpSettings $HttpSettings
```

These commands create a new application gateway path rule and then use the Add-AzApplicationGatewayUrlPathMapConfig cmdlet to assign that rule to an application

gateway. To do this, the first command creates an object reference to the gateway ContosoApplicationGateway. This object reference is stored in a variable named

\$Gateway. The next two commands create a backend address pool and a backend HTTP settings object; these objects (stored in the variables \$AddressPool and

\$HttpSettings) are needed in order to create a path rule object. The fourth command creates the path rule object and is stored in a variable named \$PathRuleConfig.

The fifth command uses Add-AzApplicationGatewayUrlPathMapConfig to add the configuration settings and the new path

rule contained within those settings to

ContosoApplicationGateway.

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

```
$PathRuleConfig = New-AzApplicationGatewayPathRuleConfig -Name "base" -Paths "/"base" -BackendAddressPool  
$AddressPool -BackendHttpSettings $HttpSettings  
-FirewallPolicy $firewallPolicy
```

These command creates a path-rule with the Name as "base", Paths as "/"base", BackendAddressPool as \$AddressPool, BackendHttpSettings as \$HttpSettings and

FirewallPolicy as \$firewallPolicy. ngs and the new path rule contained within those settings to ContosoApplicationGateway.

RELATED LINKS

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

Add-AzApplicationGatewayUrlPathMapConfig

Get-AzApplicationGateway

Get-AzApplicationGatewayUrlPathMapConfig

New-AzApplicationGatewayBackendAddressPool

New-AzApplicationGatewayBackendHttpSetting

New-AzApplicationGatewayPathRuleConfig

New-AzApplicationGatewayUrlPathMapConfig

Remove-AzApplicationGatewayUrlPathMapConfig

Set-AzApplicationGatewayUrlPathMapConfig