



## ***Windows PowerShell Get-Help on Cmdlet 'Add-AzApplicationGatewayProbeConfig'***

***PS:\>Get-HELP Add-AzApplicationGatewayProbeConfig -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**

Add-AzApplicationGatewayProbeConfig

### **SYNOPSIS**

Adds a health probe to an Application Gateway.

### **SYNTAX**

```

Add-AzApplicationGatewayProbeConfig -ApplicationGateway
<Microsoft.Azure.Commands.Network.Models.PSApplicationGateway> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-HostName
<System.String>] -Interval <System.Int32> [-Match
    <Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayProbeHealthResponseMatch>] [-MinServers
<System.Int32>] -Name <System.String> [-Path <System.String>]
    [-PickHostNameFromBackendHttpSettings] [-Port <System.Int32>] -Protocol {Http | Https | TCP | TLS} -Timeout
<System.Int32> -UnhealthyThreshold <System.Int32>

```

## DESCRIPTION

The Add-AzApplicationGatewayProbeConfig cmdlet adds a health probe to an Application Gateway.

## PARAMETERS

-ApplicationGateway <Microsoft.Azure.Commands.Network.Models.PSApplicationGateway>

Specifies the application gateway to which this cmdlet adds a probe.

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

-HostName <System.String>

Specifies the host name that this cmdlet sends the probe to.

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

Accept wildcard characters? false

-Interval <System.Int32>

Specifies the probe interval in seconds. This is the time interval between two consecutive probes. This value is between 1 second and 86400 seconds.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Match <Microsoft.Azure.Commands.Network.Models.PSApplicationGatewayProbeHealthResponseMatch>

Body that must be contained in the health response. Default value is empty

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-MinServers <System.Int32>

Minimum number of servers that are always marked healthy. Default value is 0

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the probe.

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

**-Path <System.String>**

Specifies the relative path of probe. Valid path start with the slash character (/). The probe is sent to <Protocol>://<host>:<port><path>.

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

**-PickHostNameFromBackendHttpSettings <System.Management.Automation.SwitchParameter>**

Whether the host header should be picked from the backend http settings. Default value is false

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

**-Port <System.Int32>**

Port that is used for probing the backend server

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

#### -Protocol <System.String>

Specifies the protocol used to send probe. This cmdlet supports HTTP only.

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

#### -Timeout <System.Int32>

Specifies the probe timeout in seconds. This cmdlet marks the probe as failed if a valid response is not received with this timeout period. Valid values are between 1 second and 86400 seconds.

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

#### -UnhealthyThreshold <System.Int32>

Specifies the probe retry count. The backend server is marked down after consecutive probe failure count reaches the unhealthy threshold. Valid values are between 1 second and 20 seconds.

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

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about\\_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

## INPUTS

Microsoft.Azure.Commands.Network.Models.PSApplicationGateway

## OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSApplicationGateway

## NOTES

--- Example 1: Add a health probe to an application gateway ---

```
$Probe = Add-AzApplicationGatewayProbeConfig -ApplicationGateway Gateway -Name "Probe01" -Protocol Http  
-HostName "contoso.com" -Path "/path/custompath.htm" -Interval  
30 -Timeout 120 -UnhealthyThreshold 8
```

This command adds a health probe named Probe01 for the application gateway named Gateway. The command also sets the unhealthy threshold to 8 retries and times out after 120 seconds.

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

Add a probe to an existing application gateway

<https://azure.microsoft.com/en-us/documentation/articles/application-gateway-create-probe-ps/#add-a-probe-to-an-existing-application-gateway>

Get-AzApplicationGatewayProbeConfig

New-AzApplicationGatewayProbeConfig

Remove-AzApplicationGatewayProbeConfig

Set-AzApplicationGatewayProbeConfig