



Windows PowerShell Get-Help on Cmdlet 'Get-AzApplicationGateway'

PS:\>Get-HELP Get-AzApplicationGateway -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

Get-AzApplicationGateway

SYNOPSIS

Gets an application gateway.

SYNTAX

```
Get-AzApplicationGateway [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Name  
<System.String>]  
[-ResourceGroupName <System.String>] [<CommonParameters>]
```

DESCRIPTION

The Get-AzApplicationGateway cmdlet gets an application gateway.

PARAMETERS

-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

-Name <System.String>

Specifies the name of the application gateway that this cmdlet gets.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? true

-ResourceGroupName <System.String>

Specifies the name of the resource group that contains the application gateway.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? true

<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

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSApplicationGateway

NOTES

----- Example 1: Get a specified application gateway -----

```
$AppGw = Get-AzApplicationGateway -Name "ApplicationGateway01" -ResourceGroupName "ResourceGroup01"
```

Sku : Microsoft.Azure.Commands.Network.Models.PSApplicationGatewaySku

SslPolicy :

GatewayIPConfigurations : {appGatewayFrontendIP}

AuthenticationCertificates : {}

SslCertificates : {}

TrustedRootCertificates : {}

FrontendIPConfigurations : {appGatewayFrontendIP}

FrontendPorts : {appGatewayFrontendPort}

Probes : {}

BackendAddressPools : {appGatewayBackendPool}

BackendHttpSettingsCollection : {appGatewayBackendHttpSettings}

HttpListeners : {appGatewayHttpListener}
 UrlPathMaps : {}
 RequestRoutingRules : {rule1}
 RewriteRuleSets : {}
 RedirectConfigurations : {}
 WebApplicationFirewallConfiguration :
 AutoscaleConfiguration :
 CustomErrorConfigurations : {}
 EnableHttp2 :
 EnableFips :
 ForceFirewallPolicyAssociation :
 Zones : {}
 OperationalState : Running
 ProvisioningState : Succeeded
 Identity :
 DefaultPredefinedSslPolicy : AppGwSslPolicy20150501
 GatewayIpConfigurationsText : []
 AuthenticationCertificatesText : []
 SslCertificatesText : []
 FrontendIpConfigurationsText : []
 FrontendPortsText : []
 BackendAddressPoolsText : []
 BackendHttpSettingsCollectionText : []
 HttpListenersText : []
 RewriteRuleSetsText : []
 RequestRoutingRulesText : []
 ProbesText : []
 UrlPathMapsText : []
 IdentityText : null
 SslPolicyText : null
 ResourceGroupName : tjp-rg
 Location : westus
 ResourceGuid : 00000000-0000-0000-0000-000000000000

Type : Microsoft.Network/applicationGateways

Tag : {}

TagsTable :

Name : ApplicationGateway01

Etag : W/"00000000-0000-0000-0000-000000000000"

Id :

/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/ResourceGroup01/providers/Microsoft.Network/applicationGateways/ApplicationGateway01

This command gets the application gateway named ApplicationGateway01 that belongs to the resource group named ResourceGroup01 and stores it in the \$AppGw variable.

Example 2: Get a list of application gateways in a resource group

```
$AppGwList = Get-AzApplicationGateway -ResourceGroupName "ResourceGroup01"
```

Sku : Microsoft.Azure.Commands.Network.Models.PSApplicationGatewaySku

SslPolicy :

GatewayIPConfigurations : {appGatewayFrontendIP}

AuthenticationCertificates : {}

SslCertificates : {}

TrustedRootCertificates : {}

FrontendIPConfigurations : {appGatewayFrontendIP}

FrontendPorts : {appGatewayFrontendPort}

Probes : {}

BackendAddressPools : {appGatewayBackendPool}

BackendHttpSettingsCollection : {appGatewayBackendHttpSettings}

HttpListeners : {appGatewayHttpListener}

UrlPathMaps : {}

RequestRoutingRules : {rule1}

RewriteRuleSets : {}

RedirectConfigurations : {}

WebApplicationFirewallConfiguration :

AutoscaleConfiguration :

CustomErrorConfigurations : {}

EnableHttp2 :

EnableFips :

ForceFirewallPolicyAssociation :

Zones : {}

OperationalState : Running

ProvisioningState : Succeeded

Identity :

DefaultPredefinedSslPolicy : AppGwSslPolicy20150501

GatewayIpConfigurationsText : []

AuthenticationCertificatesText : []

SslCertificatesText : []

FrontendIpConfigurationsText : []

FrontendPortsText : []

BackendAddressPoolsText : []

BackendHttpSettingsCollectionText : []

HttpListenersText : []

RewriteRuleSetsText : []

RequestRoutingRulesText : []

ProbesText : []

UrlPathMapsText : []

IdentityText : null

SslPolicyText : null

ResourceGroupName : tjp-rg

Location : westus

ResourceGuid : 00000000-0000-0000-0000-000000000000

Type : Microsoft.Network/applicationGateways

Tag : {}

TagsTable :

Name : ApplicationGateway01

Etag : W/"00000000-0000-0000-0000-000000000000"

Id

:

```
/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/ResourceGroup01/providers/Microsoft.Network/applicationGateways/ApplicationGateway01
```

This command gets a list of all the application gateways in the resource group named ResourceGroup01 and stores it in the \$AppGwList variable.

Example 3: Get a list of application gateways in a subscription

```
$AppGwList = Get-AzApplicationGateway
```

Sku : Microsoft.Azure.Commands.Network.Models.PSApplicationGatewaySku

SslPolicy :

GatewayIPConfigurations : {appGatewayFrontendIP}

AuthenticationCertificates : {}

SslCertificates : {}

TrustedRootCertificates : {}

FrontendIPConfigurations : {appGatewayFrontendIP}

FrontendPorts : {appGatewayFrontendPort}

Probes : {}

BackendAddressPools : {appGatewayBackendPool}

BackendHttpSettingsCollection : {appGatewayBackendHttpSettings}

HttpListeners : {appGatewayHttpListener}

UrlPathMaps : {}

RequestRoutingRules : {rule1}

RewriteRuleSets : {}

RedirectConfigurations : {}

WebApplicationFirewallConfiguration :

AutoscaleConfiguration :

CustomErrorConfigurations : {}

EnableHttp2 :

EnableFips :

```

ForceFirewallPolicyAssociation :
Zones : {}
OperationalState : Running
ProvisioningState : Succeeded
Identity :
DefaultPredefinedSslPolicy : AppGwSslPolicy20150501
GatewayIpConfigurationsText : []
AuthenticationCertificatesText : []
SslCertificatesText : []
FrontendIpConfigurationsText : []
FrontendPortsText : []
BackendAddressPoolsText : []
BackendHttpSettingsCollectionText : []
HttpListenersText : []
RewriteRuleSetsText : []
RequestRoutingRulesText : []
ProbesText : []
UrlPathMapsText : []
IdentityText : null
SslPolicyText : null
ResourceGroupName : tjp-rg
Location : westus
ResourceGuid : 00000000-0000-0000-0000-000000000000
Type : Microsoft.Network/applicationGateways
Tag : {}
TagsTable :
Name : ApplicationGateway01
Etag : W/"00000000-0000-0000-0000-000000000000"

```

Id

:

```

/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/ResourceGroup01/providers/
Microsoft.Network/applicationGateways/ApplicationGateway01

```

Example 4: Get a list of application gateways in a subscription using filtering

```
$AppGwList = Get-AzApplicationGateway -Name ApplicationGateway*
```

```
Sku : Microsoft.Azure.Commands.Network.Models.PSApplicationGatewaySku
SslPolicy :
GatewayIPConfigurations : {appGatewayFrontendIP}
AuthenticationCertificates : {}
SslCertificates : {}
TrustedRootCertificates : {}
FrontendIPConfigurations : {appGatewayFrontendIP}
FrontendPorts : {appGatewayFrontendPort}
Probes : {}
BackendAddressPools : {appGatewayBackendPool}
BackendHttpSettingsCollection : {appGatewayBackendHttpSettings}
HttpListeners : {appGatewayHttpListener}
UrlPathMaps : {}
RequestRoutingRules : {rule1}
RewriteRuleSets : {}
RedirectConfigurations : {}
WebApplicationFirewallConfiguration :
AutoscaleConfiguration :
CustomErrorConfigurations : {}
EnableHttp2 :
EnableFips :
ForceFirewallPolicyAssociation :
Zones : {}
OperationalState : Running
ProvisioningState : Succeeded
Identity :
DefaultPredefinedSslPolicy : AppGwSslPolicy20150501
```

```

GatewayIpConfigurationsText      : []
AuthenticationCertificatesText    : []
SslCertificatesText              : []
FrontendIpConfigurationsText      : []
FrontendPortsText                : []
BackendAddressPoolsText          : []
BackendHttpSettingsCollectionText : []
HttpListenersText                : []
RewriteRuleSetsText              : []
RequestRoutingRulesText          : []
ProbesText                       : []
UrlPathMapsText                  : []
IdentityText                     : null
SslPolicyText                    : null
ResourceGroupName                 : tjp-rg
Location                         : westus
ResourceGuid                      : 00000000-0000-0000-0000-000000000000
Type                             : Microsoft.Network/applicationGateways
Tag                              : {}
TagsTable                        :
Name                             : ApplicationGateway01
Etag                             : W/"00000000-0000-0000-0000-000000000000"

```

```

Id :
/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/ResourceGroup01/providers/Microsoft.Network/applicationGateways/ApplicationGateway01

```

This command gets a list of all the application gateways in the subscription that start with "ApplicationGateway01" and stores it in the \$AppGwList variable.

RELATED LINKS

