



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

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

NAME

New-AzSqlServerFirewallRule

SYNOPSIS

Creates a firewall rule for a SQL Database server.

SYNTAX

```
New-AzSqlServerFirewallRule [-ResourceGroupName] <System.String> [-ServerName] <System.String>
[-AllowAllAzureIPs] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzSqlServerFirewallRule [-ResourceGroupName] <System.String> [-ServerName] <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EndIpAddress
<System.String> -FirewallRuleName <System.String>
-StartIpAddress <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The New-AzSqlServerFirewallRule cmdlet creates a firewall rule for the specified Azure SQL Database server.

PARAMETERS

-AllowAllAzureIPs <System.Management.Automation.SwitchParameter>

Indicates that this firewall rule allows all Azure IP addresses to access the server. You cannot use this parameter if you intend to use the FirewallRuleName ,

StartIpAddress , and EndIpAddress parameters. If you want to allow Azure IPs to access the server, this parameter should be used in a separate cmdlet call that

does not use the FirewallRuleName , StartIpAddress , and EndIpAddress parameters.

Required?	false
Position?	named
Default value	False
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

-EndIpAddress <System.String>

Specifies the end value of the IP address range for this rule.

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

Accept wildcard characters? false

-FirewallRuleName <System.String>

Specifies the name of the new firewall rule.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of a resource group to which the server is assigned.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ServerName <System.String>

Specifies the name of a server. Specify the server name, not the fully qualified DNS name.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StartIpAddress <System.String>

Specifies the start value of the IP address range for the firewall rule.

Required? true

Position? named
Default value None
Accept pipeline input? False
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

System.String

OUTPUTS

```
Microsoft.Azure.Commands.Sql.FirewallRule.Model.AzureSqlServerFirewallRuleModel
```

NOTES

----- Example 1: Create a firewall rule -----

```
New-AzSqlServerFirewallRule -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -FirewallRuleName  
"Rule01" -StartIpAddress "192.168.0.198" -EndIpAddress  
"192.168.0.199"
```

ResourceGroupName : ResourceGroup01

ServerName : Server01

StartIpAddress : 192.168.0.198

EndIpAddress : 192.168.0.199

FirewallRuleName : Rule01

This command creates a firewall rule named Rule01 on the server named Server01. The rule includes the specified start and end IP addresses.

Example 2: Create a firewall rule that allows all Azure IP addresses to access the server

```
New-AzSqlServerFirewallRule -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -AllowAllAzureIPs
```

This command creates a firewall rule on the server named Server01 that belongs to the resource group named ResourceGroup01. Since the AllowAllAzureIPs parameter is

used, the firewall rule allows all Azure IP addresses to access the server.

RELATED LINKS

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

[Get-AzSqlServerFirewallRule](#)

[Remove-AzSqlServerFirewallRule](#)

[Set-AzSqlServerFirewallRule](#)

SQL Database Documentation <https://learn.microsoft.com/azure/sql-database/>