



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

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

NAME

New-AzSynapseFirewallRule

SYNOPSIS

Creates a Synapse Analytics Firewall Rule.

SYNTAX

```

New-AzSynapseFirewallRule -AllowAllAzureIp [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-ResourceGroupName <System.String>] -WorkspaceName <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

New-AzSynapseFirewallRule -AllowAllIp [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

New-AzSynapseFirewallRule -AllowAllIp [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

```

[-ResourceGroupName <System.String>] -WorkspaceName <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzSynapseFirewallRule -AllowAllIp [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzSynapseFirewallRule [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EndIpAddress
<System.String> -Name <System.String> [-ResourceGroupName <System.String>] -StartIpAddress <System.String>
-WorkspaceName <System.String> [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzSynapseFirewallRule [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EndIpAddress
<System.String> -Name <System.String> -StartIpAddress <System.String> -WorkspaceObject
<Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [-Confirm]
[-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzSynapseFirewallRule cmdlet creates an Azure Synapse Analytics Firewall Rule.

PARAMETERS

-AllowAllAzureIp <System.Management.Automation.SwitchParameter>

Creates a special firewall rule that permits all Azure IPs to have access.

Required? true

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AllowAllIp <System.Management.Automation.SwitchParameter>

Creates a special firewall rule that allows connections from all IP addresses. The Start IP is 0.0.0.0. The End IP is 255.255.255.255.

Required? true

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

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>

The end IP address of the firewall rule. Must be IPv4 format. Must be greater than or equal to startIpAddress.

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

-Name <System.String>

The firewall rule name for the workspace.

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

-ResourceGroupName <System.String>

Resource group name.

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

-StartIpAddress <System.String>

The start IP address of the firewall rule. Must be IPv4 format.

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

-WorkspaceName <System.String>

Name of Synapse workspace.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace>

workspace input object, usually passed through the pipeline.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

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

Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace

OUTPUTS

Microsoft.Azure.Commands.Synapse.Models.PSSynapseIpFirewallRule

NOTES

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

```
New-AzSynapseFirewallRule -WorkspaceName ContosoWorkspace -Name ContosoFirewallRule -StartIpAddress "0.0.0.0" -EndIpAddress "255.255.255.255"
```

This command creates firewall rule named ContosoFirewallRule under workspace ContosoWorkspace with name ContosoFirewallRule.

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

```
$ws = Get-AzSynapseWorkspace -Name ContosoWorkspace  
$ws | New-AzSynapseFirewallRule -Name ContosoFirewallRule -StartIpAddress "0.0.0.0" -EndIpAddress  
"255.255.255.255"
```

This command creates firewall rule named ContosoFirewallRule under a workspace through pipeline.

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

```
New-AzSynapseFirewallRule -WorkspaceName ContosoWorkspace -AllowAllAzureIP
```

This command creates firewall rule that allow all azure ips under a workspace.

RELATED LINKS

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