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

***PS:\>Get-HELP Add-AzKeyVaultNetworkRule -Full***

NAME

Add-AzKeyVaultNetworkRule

SYNOPSIS

Adds a rule meant to restrict access to a key vault based on the client's internet address.

SYNTAX

Add-AzKeyVaultNetworkRule [-InputObject] <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault> [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-IpAddressRange <System.String[]>] [-PassThru] [-SubscriptionId <System.String>] [-VirtualNetworkResourceId <System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]

Add-AzKeyVaultNetworkRule [-VaultName] <System.String> [[-ResourceGroupName] <System.String>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-IpAddressRange <System.String[]>] [-PassThru] [-SubscriptionId <System.String>] [-VirtualNetworkResourceId <System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]

Add-AzKeyVaultNetworkRule [-ResourceId] <System.String> [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[-IpAddressRange <System.String[]>] [-PassThru] [-SubscriptionId <System.String>] [-VirtualNetworkResourceId <System.String[]>] [-Confirm] [-WhatIf]

[<CommonParameters>]

DESCRIPTION

The Add-AzKeyVaultNetworkRule cmdlet grants or restricts access to a key vault to a set of caller designated by their IP addresses or the virtual network to which

they belong. The rule has the potential to restrict access for other users, applications, or security groups which have been granted permissions via the access policy.

Please note that any IP range inside `10.0.0.0-10.255.255.255` (private IP addresses) cannot be used to add network rules.

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

-InputObject <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault>

KeyVault object

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-IpAddressRange <System.String[]>

Specifies allowed network IP address range of network rule.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PassThru <System.Management.Automation.SwitchParameter>

This Cmdlet does not return an object by default. If this switch is specified, it returns the updated key vault object.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the resource group associated with the key vault whose network rule is being modified.

Required? false

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceId <System.String>

KeyVault Resource Id

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SubscriptionId <System.String>

The ID of the subscription. By default, cmdlets are executed in the subscription that is set in the current context. If the user specifies another subscription,

the current cmdlet is executed in the subscription specified by the user. Overriding subscriptions only take effect during the lifecycle of the current cmdlet. It

does not change the subscription in the context, and does not affect subsequent cmdlets.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VaultName <System.String>

Specifies the name of a key vault whose network rule is being modified.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VirtualNetworkResourceId <System.String[]>

Specifies allowed virtual network resource identifier of network rule.

Required? false

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

Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault

System.String

OUTPUTS

Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault

NOTES

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

```
$frontendSubnet = New-AzVirtualNetworkSubnetConfig -Name frontendSubnet -AddressPrefix "10.0.1.0/24" -ServiceEndpoint Microsoft.KeyVault
$virtualNetwork = New-AzVirtualNetwork -Name myVNet -ResourceGroupName myRG -Location westus -AddressPrefix "10.0.0.0/16" -Subnet $frontendSubnet
$myNetworkResId = (Get-AzVirtualNetwork -Name myVNet -ResourceGroupName myRG).Subnets[0].Id
Add-AzKeyVaultNetworkRule -VaultName myvault -IpAddressRange "124.56.78.0/24" -VirtualNetworkResourceId $myNetworkResId -PassThru

Vault Name                  : myvault
Resource Group Name         : myRG
Location                    : westus
Resource ID                 : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myRG/providers
                              /Microsoft.KeyVault/vaults/myvault
Vault URI                   : https://myvault.vault.azure.net/
Tenant ID                   : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
SKU                         : Standard
Enabled For Deployment?     : True
Enabled For Template Deployment? : True
Enabled For Disk Encryption?  : False
Soft Delete Enabled?        : True
```

Access Policies :

Tenant ID : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

Object ID : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

Application ID :

Display Name : User Name (username@microsoft.com)

Permissions to Keys : get, create, delete, list, update, import, backup, restore, recover

Permissions to Secrets : get, list, set, delete, backup, restore, recover

Permissions to Certificates : get, delete, list, create, import, update, deleteissuers, getissuers, listissuers, managecontacts, manageissuers, setissuers, recover

Permissions to (Key Vault Managed) Storage : delete, deletesas, get, getsas, list, listsas, regeneratekey, set, setsas, update

Network Rule Set :

Default Action : Allow

Bypass : AzureServices

IP Rules : 124.56.78.0/24

Virtual Network Rules : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourcegroups/myRG/providers/microsoft.network/virtualnetworks/myvnet/subnets/frontendsubnet

Tags :

This command adds a network rule to the specified vault, allowing access to the specified IP address from the virtual network identified by $myNetworkResId.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.keyvault/add-azkeyvaultnetworkrule