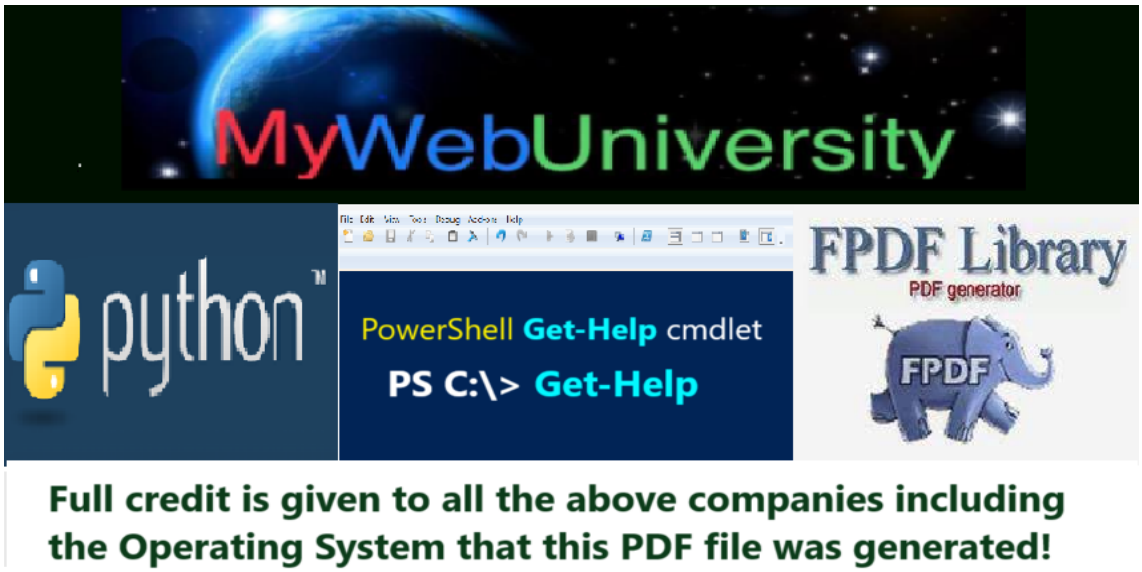

Windows PowerShell Get-Help on Cmdlet 'New-AzKeyVault'

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

NAME

New-AzKeyVault

SYNOPSIS

Creates a key vault.

SYNTAX

New-AzKeyVault [-Name] <System.String> [-ResourceGroupName] <System.String> [-Location] <System.String> [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisableRbacAuthorization] [-EnabledForDeployment] [-EnabledForDiskEncryption] [-EnabledForTemplateDeployment] [-EnablePurgeProtection] [-NetworkRuleSet <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVaultNetworkRuleSet>] [-PublicNetworkAccess <System.String>] [-Sku <System.String>] [-SoftDeleteRetentionInDays <System.Int32>] [-SubscriptionId <System.String>] [-Tag <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzKeyVault cmdlet creates a key vault in the specified resource group. This cmdlet also grants permissions to the currently logged on user to add, remove, or

list keys and secrets in the key vault. Note: If you see the error **The subscription is not registered to use namespace 'Microsoft.KeyVault'** when you try to create

your new key vault, run Register-AzResourceProvider -ProviderNamespace "Microsoft.KeyVault" and then rerun your New-AzKeyVault command. For more information, see

Register-AzResourceProvider.

The cmdlet may call below Microsoft Graph API according to input parameters:

- GET /directoryObjects/{id}

- GET /users/{id}

- GET /servicePrincipals/{id}

- GET /groups/{id}

- GET /me

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

-DisableRbacAuthorization <System.Management.Automation.SwitchParameter>

If specified, disables to authorize data actions by Role Based Access Control (RBAC), and then the access policies

specified in vault properties will be ignored.

Note that management actions are always authorized with RBAC.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-EnabledForDeployment <System.Management.Automation.SwitchParameter>

Enables the Microsoft.Compute resource provider to retrieve secrets from this key vault when this key vault is referenced in resource creation, for example when

creating a virtual machine.

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-EnabledForDiskEncryption <System.Management.Automation.SwitchParameter>

Enables the Azure disk encryption service to get secrets and unwrap keys from this key vault.

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-EnabledForTemplateDeployment <System.Management.Automation.SwitchParameter>

Enables Azure Resource Manager to get secrets from this key vault when this key vault is referenced in a template deployment.

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-EnablePurgeProtection <System.Management.Automation.SwitchParameter>

If specified, protection against immediate deletion is enabled for this vault; requires soft delete to be enabled as well.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Location <System.String>

Specifies the Azure region in which to create the key vault. Use the command Get-AzLocation (/powershell/module/az.resources/get-azlocation)to see your choices.

Required? true

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

Specifies a name of the key vault to create. The name can be any combination of letters, digits, or hyphens. The name must start and end with a letter or digit.

The name must be universally unique.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-NetworkRuleSet <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVaultNetworkRuleSet>

Specifies the network rule set of the vault. It governs the accessibility of the key vault from specific network locations. Created by

`New-AzKeyVaultNetworkRuleSetObject`.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PublicNetworkAccess <System.String>

Specifies whether the vault will accept traffic from public internet. If set to 'disabled' all traffic except private endpoint traffic and that that originates

from trusted services will be blocked. This will override the set firewall rules, meaning that even if the firewall rules are present we will not honor the rules.

By default, we will enable public network access.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of an existing resource group in which to create the key vault.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Sku <System.String>

Specifies the SKU of the key vault instance. For information about which features are available for each SKU, see the Azure Key Vault Pricing website

(https://go.microsoft.com/fwlink/?linkid=512521).

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SoftDeleteRetentionInDays <System.Int32>

Specifies how long deleted resources are retained, and how long until a vault or an object in the deleted state can be purged. The default is 90 days.

Required? false

Position? named

Default value None

Accept pipeline input? False

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

-Tag <System.Collections.Hashtable>

Key-value pairs in the form of a hash table. For example: @{key0="value0";key1=$null;key2="value2"}

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

System.Management.Automation.SwitchParameter

System.Collections.Hashtable

OUTPUTS

Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault

NOTES

---------- Example 1: Create a Standard key vault ----------

New-AzKeyVault -VaultName 'Contoso03Vault' -ResourceGroupName 'Group14' -Location 'East US'

Vault Name : contoso03vault

Resource Group Name : group14

Location : East US

Resource ID : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/group14/providers

/Microsoft.KeyVault/vaults/contoso03vault

Vault URI : https://contoso03vault.vault.azure.net/

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

SKU : Standard

Enabled For Deployment? :

Enabled For Template Deployment? :

Enabled For Disk Encryption? :

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 : all

Permissions to Secrets : all

Permissions to Certificates : all

Permissions to (Key Vault Managed) Storage : all

Network Rule Set :

Default Action : Allow

Bypass : AzureServices

IP Rules :

Virtual Network Rules :

Tags :

This command creates a key vault named Contoso03Vault, in the Azure region East US. The command adds the key vault to the resource group named Group14. Because the

command does not specify a value for the SKU parameter, it creates a Standard key vault.

---------- Example 2: Create a Premium key vault ----------

```
New-AzKeyVault -VaultName 'Contoso03Vault' -ResourceGroupName 'Group14' -Location 'East US' -Sku 'Premium'

Vault Name                  : contoso03vault
Resource Group Name         : group14
Location                    : East US
Resource ID                 : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/group14/providers
                              /Microsoft.KeyVault/vaults/contoso03vault
Vault URI                   : https://contoso03vault.vault.azure.net/
Tenant ID                   : xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
SKU                         : Premium
Enabled For Deployment?     : False
Enabled For Template Deployment? : False
Enabled For Disk Encryption?  : False
Soft Delete Enabled?        :
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          : all
                              Permissions to Secrets       : all
                              Permissions to Certificates  : all
                              Permissions to (Key Vault Managed) Storage : all

Network Rule Set            :
                            Default Action                 : Allow
                            Bypass                         : AzureServices
                            IP Rules                       :
                            Virtual Network Rules          :

Tags                        :
```

This command creates a key vault, just like the previous example. However, it specifies a value of Premium for the SKU

parameter to create a Premium key vault.

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

```
$frontendSubnet = New-AzVirtualNetworkSubnetConfig -Name frontendSubnet -AddressPrefix "110.0.1.0/24" -ServiceEndpoint Microsoft.KeyVault
$virtualNetwork = New-AzVirtualNetwork -Name myVNet -ResourceGroupName myRG -Location westus -AddressPrefix "110.0.0.0/16" -Subnet $frontendSubnet
$myNetworkResId = (Get-AzVirtualNetwork -Name myVNet -ResourceGroupName myRG).Subnets[0].Id
$ruleSet = New-AzKeyVaultNetworkRuleSetObject -DefaultAction Allow -Bypass AzureServices -IpAddressRange "110.0.1.0/24" -VirtualNetworkResourceId $myNetworkResId
New-AzKeyVault -ResourceGroupName "myRg" -VaultName "myVault" -NetworkRuleSet $ruleSet -Location westus

Vault Name                  : myVault
Resource Group Name         : myRg
Location                    : East US
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                         : Premium
Enabled For Deployment?     : False
Enabled For Template Deployment? : False
Enabled For Disk Encryption?  : False
Soft Delete Enabled?        :
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       : all
                              Permissions to Secrets    : all
```

Permissions to Certificates : all

Permissions to (Key Vault Managed) Storage : all

Network Rule Set :

Default Action : Allow

Bypass : AzureServices

IP Rules : 110.0.1.0/24

Virtual Network Rules : /subscriptions/0b1f6471-1bf0-4dda-ae

c3-cb9272f09590/resourcegroups/myRg/providers/microsoft.network/virtualnetworks

/myvnet/subnets/frontendsubnet

Tags :

Creating a key vault and specifies network rules to allow access to the specified IP address from the virtual network identified by $myNetworkResId. See

`New-AzKeyVaultNetworkRuleSetObject` for more information.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.keyvault/new-azkeyvault

Get-AzKeyVault

Remove-AzKeyVault