



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

PS: \>Get-HELP Get-AzKeyVaultRandomNumber -Full

NAME

Get-AzKeyVaultRandomNumber

SYNOPSIS

Get the requested number of bytes containing random values from a managed HSM.

SYNTAX

Get-AzKeyVaultRandomNumber [-HsmName] <System.String> [-AsBase64String] -Count <System.Int32> [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[<CommonParameters>]

Get-AzKeyVaultRandomNumber [-InputObject] <Microsoft.Azure.Commands.KeyVault.Models.PSManagedHsm>

[-AsBase64String] -Count <System.Int32> [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

[<CommonParameters>]

Get-AzKeyVaultRandomNumber [-ResourceId] <System.String> [-AsBase64String] -Count <System.Int32>

[-DefaultProfile

[<CommonParameters>]

DESCRIPTION

Get the requested number of bytes containing random values from a managed HSM.

PARAMETERS

-AsBase64String <System.Management.Automation.SwitchParameter>

If specified, return random number as base-64 digit. By default, this command retruns random number as byte array.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Count <System.Int32>

The requested number of random bytes.

Required? true

Position? named

Default value None

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

-HsmName <System.String>

HSM name. Cmdlet constructs the FQDN of a managed HSM based on the name and currently selected environment.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

HSM object.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-ResourceId <System.String>

HSM resource id.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

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

Microsoft.Azure.Commands.KeyVault.Models.PSManagedHsm

OUTPUTS

System.String

System.Byte

NOTES

Example 1: Get requested number of random bytes by managed HSM name

Get-AzKeyVaultRandomNumber -HsmName testmhsm -Count 10

158

171

96

142

109

28
1
85
178
201

This command gets 10 random bytes from managed HSM "testmhsm"

--- Example 2: Get random number as base64 string by piping ---

Get-AzKeyVaultManagedHsm -HsmName bezmhsm2022 | Get-AzKeyVaultRandomNumber -Count 10 -AsBase64String

G1CsEq9yUp/EA==

This command gets 10 random bytes as base-64 string from managed HSM "testmhsm"

----- Example 3: Get random number by resource id -----

Get-AzKeyVaultRandomNumber -ResourceId
/subscriptions/0b1fxxx-xxxx-xxxx-aec3-xxxx72f09590/resourceGroups/test-rg/provders/Microsoft.KeyVault/managedHSMs/
testhsm
-Count 10

158
171
96
142
109
28
1
85

178

201

This command gets 10 random bytes from managed HSM with specified resource id

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.keyvault/get-azkeyvaultrandomnumber>