



Windows PowerShell Get-Help on Cmdlet 'Register-AzStackHCI'

PS:\>Get-HELP Register-AzStackHCI -Full

NAME

Register-AzStackHCI

SYNOPSIS

Register-AzStackHCI creates a Microsoft.AzureStackHCI cloud resource representing the on-premises cluster and registers the on-premises cluster with Azure.

SYNTAX

```
Register-AzStackHCI [-SubscriptionId] <String> [-Region] <String> [[-ResourceName] <String>] [[-Tag] <Hashtable>]
[[-TenantId] <String>] [[-ResourceGroupName]
    <String>] [[-ArmAccessToken] <String>] [[-AccountId] <String>] [[-EnvironmentName] <String>] [[-ComputerName]
    <String>] [[-CertificateThumbprint] <String>]
    [-RepairRegistration] [-UseDeviceAuthentication] [[-Credential] <PSCredential>] [-IsWAC]
    [[-ArcServerResourceGroupName] <String>] [[-ArcSpnCredential] <PSCredential>]
    [[-LogsDirectory] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]
```

DESCRIPTION

Register-AzStackHCI creates a Microsoft.AzureStackHCI cloud resource representing the on-premises cluster and registers the on-premises cluster with Azure.

registers the on-premises cluster with Azure.

PARAMETERS

-SubscriptionId <String>

Specifies the Azure Subscription to create the resource.

SubscriptionId is a Mandatory parameter.

Required? true

Position? 1

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Region <String>

Specifies the Region to create the resource.

Region is a Mandatory parameter.

Required? true

Position? 2

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceName <String>

Specifies the resource name of the resource created in Azure.

If not specified, on-premises cluster name is used.

Required? false

Position? 3

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Tag <Hashtable>

Specifies the resource tags for the resource in Azure in the form of key-value pairs in a hash table.

For example: @{key0="value0";key1=\$null;key2="value2"}

Required? false

Position? 4

Default value

Accept pipeline input? false

Accept wildcard characters? false

-TenantId <String>

Specifies the Azure TenantId.

Required? false

Position? 5

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGroupName <String>

Specifies the Azure Resource Group name.

If not specified <LocalClusterName>-rg will be used as resource group name.

Required? false

Position? 6

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ArmAccessToken <String>

Specifies the ARM access token.

Specifying this along with AccountId will avoid Azure interactive logon.

Required? false
Position? 7
Default value
Accept pipeline input? false
Accept wildcard characters? false

-AccountId <String>

Specifies the Account Id.
Specifying this along with ArmAccessToken will avoid Azure interactive logon.

Required? false
Position? 8
Default value
Accept pipeline input? false
Accept wildcard characters? false

-EnvironmentName <String>

Specifies the Azure Environment.
Default is AzureCloud.
Valid values are AzureCloud, AzureChinaCloud, AzurePPE, AzureCanary, AzureUSGovernment

Required? false
Position? 9
Default value
Accept pipeline input? false
Accept wildcard characters? false

-ComputerName <String>

Specifies the cluster name or one of the cluster node in on-premise cluster that is being registered to Azure.

Required? false
Position? 10

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CertificateThumbprint <String>

Specifies the thumbprint of the certificate available on all the nodes.

User is responsible for managing the certificate.

Required? false

Position? 11

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RepairRegistration [<SwitchParameter>]

Repair the current Azure Stack HCI registration with the cloud.

This cmdlet deletes the local certificates on the clustered nodes and the remote certificates in the Azure AD application in the cloud and generates new replacement certificates for both.

The resource group, resource name, and other registration choices are preserved.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-UseDeviceAuthentication [<SwitchParameter>]

Use device code authentication instead of an interactive browser prompt.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Credential <PSCredential>

Specifies the credential for the ComputerName.

Default is the current user executing the Cmdlet.

Required? false

Position? 12

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IsWAC [<SwitchParameter>]

Registrations through Windows Admin Center specifies this parameter to true.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-ArcServerResourceGroupName <String>

Specifies the Arc Resource Group name.

If not specified, cluster resource group name will be used.

Required? false

Position? 13

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ArcSpnCredential <PSCredential>

Specifies the credentials to be used for onboarding ARC agent.

If not specified, new set of credentials will be generated.

Required? false

Position? 14

Default value

Accept pipeline input? false

Accept wildcard characters? false

-LogsDirectory <String>

Specifies the Path where the log files are to be saved.

Has to be an absolute Path.

Default value would be: C:\ProgramData\AzureStackHCI

Required? false

Position? 15

Default value

Accept pipeline input? false

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Required? false

Position? named

Default value

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

OUTPUTS

PSCustomObject. Returns following Properties in PSCustomObject

Result: Success or Failed or Cancelled.

ResourceId: Resource ID of the resource created in Azure.

PortalResourceURL: Azure Portal Resource URL.

----- EXAMPLE 1 -----

```
PS C:\>Register-AzStackHCI -SubscriptionId "12a0f531-56cb-4340-9501-257726d741fd" -Region "eastus"
```

----- EXAMPLE 2 -----

```
PS C:\>Register-AzStackHCI -SubscriptionId "12a0f531-56cb-4340-9501-257726d741fd" -ComputerName ClusterNode1  
-Region "eastus"
```

----- EXAMPLE 3 -----

```
PS C:\>Register-AzStackHCI -SubscriptionId "12a0f531-56cb-4340-9501-257726d741fd" -ArmAccessToken etyer..ere=  
-AccountId user1@corp1.com -Region westus -ResourceName  
DemoHCICluster3 -ResourceGroupName DemoHCIRG
```

----- EXAMPLE 4 -----

```
PS C:\>Register-AzStackHCI -SubscriptionId "12a0f531-56cb-4340-9501-257726d741fd" -Region westus  
-ResourceName HciCluster1 -TenantId  
"c31c0dbb-ce27-4c78-ad26-a5f717c14557" -ResourceGroupName HciRG -ArcServerResourceGroupName HciRG  
-ArmAccessToken eerror..ere= -AccountId user1@corp1.com  
-EnvironmentName AzureCloud -ComputerName node1hci -Credential Get-Credential
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.stackhci/register-azstackhci>

