



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

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

NAME

Get-AzResourceProvider

SYNOPSIS

Gets a resource provider.

SYNTAX

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Get-AzResourceProvider [-ApiVersion <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-ListAvailable] [-Location <System.String>] [-Pre] [<CommonParameters>]

```

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Get-AzResourceProvider [-ApiVersion <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-Location <System.String>] [-Pre] -ProviderNamespace <System.String[]> [<CommonParameters>]

```

DESCRIPTION

The Get-AzResourceProvider cmdlet gets an Azure resource provider.

PARAMETERS

-ApiVersion <System.String>

Specifies the API version that is supported by the resource Provider. You can specify a different version than the default version.

Required? false

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

-ListAvailable <System.Management.Automation.SwitchParameter>

Indicates that this operation gets all available resource providers.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Location <System.String>

Specifies the location of the resource provider.

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

-Pre <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet considers pre-release API versions when it automatically determines which version to use.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-ProviderNamespace <System.String[]>

Specifies the namespace of the resource provider.

Required? true
Position? named
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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.String[]

OUTPUTS

Microsoft.Azure.Commands.ResourceManager.Cmdlets.SdkModels.PSResourceProvider

NOTES

Example 1: Get all resource providers registered with the current subscription

Get-AzResourceProvider

ProviderNamespace : Microsoft.AppConfiguration

RegistrationState : Registered

ResourceTypes : {configurationStores, configurationStores/eventGridFilters, checkNameAvailability, locations.}

Locations : {West Central US, Central US, West US, East US.}

ProviderNamespace : Microsoft.KeyVault

RegistrationState : Registered

ResourceTypes : {vaults, vaults/secrets, vaults/accessPolicies, operations.}

Locations : {North Central US, East US, North Europe, West Europe.}

ProviderNamespace : Microsoft.Network

RegistrationState : Registered

ResourceTypes : {virtualNetworks, publicIPAddresses, networkInterfaces, privateEndpoints.}

Locations : {West US, East US, North Europe, West Europe.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {availabilitySets, virtualMachines, virtualMachines/extensions, virtualMachineScaleSets.}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Security

RegistrationState : Registered

ResourceTypes : {operations, securityStatuses, tasks, regulatoryComplianceStandards.}

Locations : {Central US, East US, West Europe, West Central US.}

ProviderNamespace : Microsoft.ResourceHealth

RegistrationState : Registered

ResourceTypes : {availabilityStatuses, childAvailabilityStatuses, childResources, events.}

Locations : {Australia Southeast}

ProviderNamespace : Microsoft.PolicyInsights

RegistrationState : Registered

ResourceTypes : {policyEvents, policyStates, operations, asyncOperationResults.}

Locations : {}

ProviderNamespace : Microsoft.Storage

RegistrationState : Registered

ResourceTypes : {storageAccounts, operations, locations/asyncoperations, storageAccounts/listAccountSas.}

Locations : {East US, East US 2, West US, West Europe.}

ProviderNamespace : Microsoft.Web

RegistrationState : Registered

ResourceTypes : {publishingUsers, ishostnameavailable, validate, isusernameavailable.}

Locations : {Central US, North Europe, West Europe, Southeast Asia.}

ProviderNamespace : Sendgrid.Email

RegistrationState : Registered

ResourceTypes : {accounts, operations}

Locations : {Australia East, Australia Southeast, Brazil South, Canada Central.}

ProviderNamespace : Microsoft.Authorization

RegistrationState : Registered

ResourceTypes : {roleAssignments, roleDefinitions, classicAdministrators, permissions.}

Locations : {}

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This command gets all the resource providers from the subscription.

Example 2: Get all resource provider details from the given ProviderNamespace

Get-AzResourceProvider -ProviderNamespace Microsoft.Compute

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {availabilitySets}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachines}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachines/extensions}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachineScaleSets}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachineScaleSets/extensions}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachineScaleSets/virtualMachines}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachineScaleSets/networkInterfaces}

Locations : {East US, East US 2, West US, Central US.}

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This command Gets all the resource providers under "Microsoft.Compute".

Example 3: Get all resource provider details from the given ProviderNamespace array

Get-AzResourceProvider -ProviderNamespace Microsoft.Compute,Microsoft.Network

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {availabilitySets}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachines}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachines/extensions}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachineScaleSets}

Locations : {East US, East US 2, West US, Central US.}

ProviderNamespace : Microsoft.Compute

RegistrationState : Registered

ResourceTypes : {virtualMachineScaleSets/extensions}

Locations : {East US, East US 2, West US, Central US.}

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ProviderNamespace : Microsoft.Network

RegistrationState : Registered

ResourceTypes : {virtualNetworks}

Locations : {West US, East US, North Europe, West Europe.}

ProviderNamespace : Microsoft.Network

RegistrationState : Registered

ResourceTypes : {publicIPAddresses}

Locations : {West US, East US, North Europe, West Europe.}

ProviderNamespace : Microsoft.Network

RegistrationState : Registered

ResourceTypes : {networkInterfaces}

Locations : {West US, East US, North Europe, West Europe.}

ProviderNamespace : Microsoft.Network

RegistrationState : Registered

ResourceTypes : {privateEndpoints}
Locations : {West US, East US, North Europe, West Europe.}

ProviderNamespace : Microsoft.Network

RegistrationState : Registered

ResourceTypes : {privateEndpointRedirectMaps}
Locations : {West US, East US, North Europe, West Europe.}

ProviderNamespace : Microsoft.Network

RegistrationState : Registered

ResourceTypes : {loadBalancers}
Locations : {West US, East US, North Europe, West Europe.}

ProviderNamespace : Microsoft.Network

RegistrationState : Registered

ResourceTypes : {networkSecurityGroups}
Locations : {West US, East US, North Europe, West Europe.}

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This command Gets all the resource providers under "Microsoft.Compute" and "Microsoft.Network".

RELATED LINKS

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

Register-AzResourceProvider

Unregister-AzResourceProvider