



Windows PowerShell Get-Help on Cmdlet 'Invoke-AzSpotPlacementRecommender'

PS:\>Get-HELP Invoke-AzSpotPlacementRecommender -Full

NAME

Invoke-AzSpotPlacementRecommender

SYNOPSIS

Generates placement scores for Spot VM skus.

SYNTAX

Invoke-AzSpotPlacementRecommender -Location <String> [-SubscriptionId <String>] [-AvailabilityZone] [-DesiredCount <Int32>] [-DesiredLocation <String[]>]

[-DesiredSize <IResourceSize[]>] [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>]

[-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Invoke-AzSpotPlacementRecommender -Location <String> [-SubscriptionId <String>] -SpotPlacementRecommenderInput <ISpotPlacementRecommenderInput> [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

```

Invoke-AzSpotPlacementRecommender -InputObject <IComputeIdentity> [-AvailabilityZone] [-DesiredCount <Int32>]
[-DesiredLocation <String[]>] [-DesiredSize
    <IResourceSize[]>] [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>]
[-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>]
[-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

```

```

Invoke-AzSpotPlacementRecommender -InputObject <IComputeIdentity> -SpotPlacementRecommenderInput
<ISpotPlacementRecommenderInput> [-DefaultProfile <PSObject>]
[-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>]
[-ProxyCredential <PSCredential>]
[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

```

DESCRIPTION

Generates placement scores for Spot VM skus.

PARAMETERS

-Location <String>

The name of the Azure region.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

Subscription credentials which uniquely identify Microsoft Azure subscription.

The subscription ID forms part of the URI for every service call.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-InputObject <IComputeIdentity>

Identity Parameter

To construct, see NOTES section for INPUTOBJECT properties and create a hash table.

Required? true

Position? named

Default value

Accept pipeline input? true (ByValue)

Accept wildcard characters? false

-SpotPlacementRecommenderInput <ISpotPlacementRecommenderInput>

SpotPlacementRecommender API Input.

To construct, see NOTES section for SPOTPLACEMENTRECOMMENDERINPUT properties and create a hash table.

Required? true

Position? named

Default value

Accept pipeline input? true (ByValue)

Accept wildcard characters? false

-AvailabilityZone [<SwitchParameter>]

Defines if the scope is zonal or regional.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-DesiredCount <Int32>

Desired instance count per region/zone based on the scope.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-DesiredLocation <String[]>

The desired regions

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DesiredSize <IResourceSize[]>

The desired resource SKUs.

To construct, see NOTES section for DESIRED_SIZE properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

The DefaultProfile parameter is not functional.

Use the SubscriptionId parameter when available if executing the cmdlet against a different subscription.

Required? false

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

-Break [<SwitchParameter>]

Wait for .NET debugger to attach

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

-HttpPipelineAppend <SendAsyncStep[]>

SendAsync Pipeline Steps to be appended to the front of the pipeline

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

-HttpPipelinePrepend <SendAsyncStep[]>

SendAsync Pipeline Steps to be prepended to the front of the pipeline

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

-Proxy <Uri>

The URI for the proxy server to use

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyCredential <PSCredential>

Credentials for a proxy server to use for the remote call

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Use the default credentials for the proxy

Required? false

Position? named

Default value False

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

Microsoft.Azure.PowerShell.Cmdlets.Compute.Models.Api20240301Preview.ISpotPlacementRecommenderInput

Microsoft.Azure.PowerShell.Cmdlets.Compute.Models.IComputeIdentity

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.Compute.Models.Api20240301Preview.ISpotPlacementRecommenderResponse

NOTES

COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help

about_Hash_Tables.

DESIRED_SIZE <IResourceSize[]>: The desired resource SKUs.

[Sku <String>]: The resource's CRP virtual machine SKU size.

INPUT_OBJECT <IComputeIdentity>: Identity Parameter

[CommandId <String>]: The command id.

[GalleryApplicationName <String>]: The name of the gallery Application Definition to be created or updated. The allowed characters are alphabets and numbers

with dots, dashes, and periods allowed in the middle. The maximum length is 80 characters.

[GalleryApplicationVersionName <String>]: The name of the gallery Application Version to be created. Needs to follow semantic version name pattern: The allowed

characters are digit and period. Digits must be within the range of a 32-bit integer. Format: <MajorVersion>.<MinorVersion>.<Patch>

[GalleryImageName <String>]: The name of the gallery image definition to be created or updated. The allowed characters are alphabets and numbers with dots,

dashes, and periods allowed in the middle. The maximum length is 80 characters.

[GalleryImageVersionName <String>]: The name of the gallery image version to be created. Needs to follow semantic version name pattern: The allowed characters

are digit and period. Digits must be within the range of a 32-bit integer. Format: <MajorVersion>.<MinorVersion>.<Patch>

[GalleryName <String>]: The name of the Shared Image Gallery. The allowed characters are alphabets and numbers with dots and periods allowed in the middle. The

maximum length is 80 characters.

[Id <String>]: Resource identity path

[InstanceId <String>]: The instance ID of the virtual machine.

[Location <String>]: The location upon which run commands is queried.

[OperationId <String>]: The ID of an ongoing async operation.

[ResourceGroupName <String>]: The name of the resource group.

[RunCommandName <String>]: The name of the virtual machine run command.

[SubscriptionId <String>]: Subscription credentials which uniquely identify Microsoft Azure subscription. The subscription ID forms part of the URI for every

service call.

[VMName <String>]: The name of the virtual machine where the run command should be created or updated.

[VMScaleSetName <String>]: The name of the VM scale set.

SPOTPLACEMENTRECOMMENDERINPUT <ISpotPlacementRecommenderInput>: SpotPlacementRecommender
API Input.

[AvailabilityZone <Boolean?>]: Defines if the scope is zonal or regional.

[DesiredCount <Int32?>]: Desired instance count per region/zone based on the scope.

[DesiredLocation <String[]>]: The desired regions

[DesiredSize <IResourceSize[]>]: The desired resource SKUs.

[Sku <String>]: The resource's CRP virtual machine SKU size.

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

```
PS C:\>$resourceSku1 = @{sku = "Standard_D2_v3"}
```

```
$resourceSku2 = @{sku = "Standard_D2_v2"}
```

```
$resourceSku3 = @{sku = "Standard_D4_v3"}
```

```
$desiredSizes = $resourceSku1,$resourceSku2,$resourceSku3
```

```
$desiredLocations = 'japaneast','southcentralus','centralus'
```

```
$response = Invoke-AzSpotPlacementRecommender -Location eastus -DesiredCount 1 -DesiredLocation  
$desiredLocations -DesiredSize $desiredSizes  
$response.PlacementScore
```

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

```
PS C:\>$resourceSku1 = @{sku = "Standard_D2_v3"}
```

```
$resourceSku2 = @{sku = "Standard_D2_v2"}
```

```
$resourceSku3 = @{sku = "Standard_D4_v3"}
```

```
$desiredSizes = $resourceSku1,$resourceSku2,$resourceSku3
```

```
$desiredLocations = 'japaneast','southcentralus','centralus'
```

```
$response = Invoke-AzSpotPlacementRecommender -Location eastus -DesiredCount 1 -DesiredLocation  
$desiredLocations -DesiredSize $desiredSizes -AvailabilityZone  
$response.PlacementScore
```

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

```
PS C:\>$resourceSku1 = @{sku = "Standard_D2_v3"}
```

```
$resourceSku2 = @{sku = "Standard_D2_v2"}
```

```
$resourceSku3 = @{sku = "Standard_D4_v3"}
```

```
$desiredSizes = $resourceSku1,$resourceSku2,$resourceSku3
```

```
$desiredLocations = 'japaneast','southcentralus','centralus'
```

```
$desiredCount = 1
```

```
$spotPlacementRecommenderInput = @{desiredLocation = $desiredLocations; desiredSize = $desiredSizes;  
desiredCount = $desiredCount; availabilityZone = $false}
```

```
$response = Invoke-AzSpotPlacementRecommender -Location eastus -SpotPlacementRecommenderInput  
$spotPlacementRecommenderInput  
$response.PlacementScore
```

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

```
PS C:\>$resourceSku1 = @{sku = "Standard_D2_v3"}
```

```
$resourceSku2 = @{sku = "Standard_D2_v2"}  
$resourceSku3 = @{sku = "Standard_D4_v3"}  
$desiredSizes = $resourceSku1,$resourceSku2,$resourceSku3  
$desiredLocations = 'japaneast','southcentralus','centralus'  
$desiredCount = 1
```

```
$spotPlacementRecommenderInput = @{desiredLocation = $desiredLocations; desiredSize = $desiredSizes;  
desiredCount = $desiredCount; availabilityZone = $true}
```

```
$response = Invoke-AzSpotPlacementRecommender -Location eastus -SpotPlacementRecommenderInput  
$spotPlacementRecommenderInput  
$response.PlacementScore
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.compute/invoke-azspotplacementrecommender>