



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

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

NAME

Get-AzAvailabilitySet

SYNOPSIS

Gets Azure availability sets in a resource group.

SYNTAX

```
Get-AzAvailabilitySet [[-ResourceGroupName] <System.String>] [[-Name] <System.String>] [-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]  
[<CommonParameters>]
```

DESCRIPTION

The Get-AzAvailabilitySet cmdlet gets Azure availability sets in a resource group. You can specify the name of a specific availability set to get.

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

-Name <System.String>

Specifies the name of an availability set that this cmdlet gets.

Required?	false
Position?	1
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	true

-ResourceGroupName <System.String>

Specifies the name of a resource group.

Required?	false
Position?	0
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	true

<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).

System.String

OUTPUTS

Microsoft.Azure.Commands.Compute.Models.PSAvailabilitySet

NOTES

----- Example 1: Get a specific availability set -----

Get-AzAvailabilitySet -ResourceGroupName "ResourceGroup11" -Name "AvailabilitySet03"

ResourceGroupName : ResourceGroup11

Id : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11/providers/
Microsoft.Compute/availabilitySets/AvailabilitySet03

Name : AvailabilitySet03

Type : Microsoft.Compute/availabilitySets

Location : eastus

Managed : False

Sku : Classic

Tags : {
"a": "b"
}

PlatformFaultDomainCount : 3

PlatformUpdateDomainCount : 2

Statuses : []

VirtualMachinesReferences : []

This command gets the availability set named AvailabilitySet03 in the resource group named ResourceGroup11.

----- Example 2: Get all availability sets -----

```
Get-AzAvailabilitySet -ResourceGroupName "ResourceGroup11"
```

```
ResourceGroupName      : ResourceGroup11
Id                     : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11/providers/
                        Microsoft.Compute/availabilitySets/AvailabilitySet02
Name                   : AvailabilitySet02
Type                   : Microsoft.Compute/availabilitySets
Location               : eastus
Managed               : False
Sku                    : Classic
Tags                   : {
                        "a": "b"
                        }
PlatformFaultDomainCount : 3
PlatformUpdateDomainCount : 2
Statuses               : []
VirtualMachinesReferences : []
```

```
ResourceGroupName      : ResourceGroup11
Id                     : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11/providers/
                        Microsoft.Compute/availabilitySets/AvailabilitySet03
Name                   : AvailabilitySet03
Type                   : Microsoft.Compute/availabilitySets
Location               : eastus
Managed               : False
Sku                    : Classic
```

```

Tags          : {
                "a": "b"
              }

PlatformFaultDomainCount : 3

PlatformUpdateDomainCount : 2

Statuses      : []

VirtualMachinesReferences : []


ResourceGroupName      : ResourceGroup11

Id                    : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11/providers/
                        Microsoft.Compute/availabilitySets/AvailabilitySet10

Name                 : AvailabilitySet10

Type                 : Microsoft.Compute/availabilitySets

Location             : eastus

Managed             : False

Sku                  : Classic

Tags                 : {
                "a": "b"
              }

PlatformFaultDomainCount : 3

PlatformUpdateDomainCount : 2

Statuses            : []

VirtualMachinesReferences : []

```

This command gets all the availability sets in the resource group named ResourceGroup11.

----- Example 3: Get all availability sets with filtering -----

```
Get-AzAvailabilitySet -ResourceGroupName "ResourceGroup1*" -Name "AvailabilitySet0"
```

```

ResourceGroupName      : ResourceGroup11

Id                    : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11/providers/

```

Microsoft.Compute/availabilitySets/AvailabilitySet02

Name : AvailabilitySet02
Type : Microsoft.Compute/availabilitySets
Location : eastus
Managed : False
Sku : Classic
Tags : {
"a": "b"
}

PlatformFaultDomainCount : 3

PlatformUpdateDomainCount : 2

Statuses : []

VirtualMachinesReferences : []

ResourceGroupName : ResourceGroup11

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11/providers/
Microsoft.Compute/availabilitySets/AvailabilitySet03

Name : AvailabilitySet03
Type : Microsoft.Compute/availabilitySets
Location : eastus
Managed : False
Sku : Classic
Tags : {
"a": "b"
}

PlatformFaultDomainCount : 3

PlatformUpdateDomainCount : 2

Statuses : []

VirtualMachinesReferences : []

This command gets all the availability sets in the resource group named ResourceGroup11 that start with "AvailabilitySet0".

Example 4: Get all availability sets with name starting with AvailabilitySet0

Get-AzAvailabilitySet -Name AvailabilitySet0*

ResourceGroupName : ResourceGroup11

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11/providers/
Microsoft.Compute/availabilitySets/AvailabilitySet02

Name : AvailabilitySet02

Type : Microsoft.Compute/availabilitySets

Location : eastus

Managed : False

Sku : Classic

Tags : {
"a": "b"
}

PlatformFaultDomainCount : 3

PlatformUpdateDomainCount : 2

Statuses : []

VirtualMachinesReferences : []

ResourceGroupName : ResourceGroup12

Id : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup12/providers/
Microsoft.Compute/availabilitySets/AvailabilitySet03

Name : AvailabilitySet03

Type : Microsoft.Compute/availabilitySets

Location : eastus

Managed : False

Sku : Classic

Tags : {
"a": "b"

```
}
```

PlatformFaultDomainCount : 3

PlatformUpdateDomainCount : 2

Statuses : []

VirtualMachinesReferences : []

This command gets all the availability sets that start with "AvailabilitySet0".

RELATED LINKS

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

New-AzAvailabilitySet

Remove-AzAvailabilitySet