



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

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

NAME

Get-AzDenyAssignment

SYNOPSIS

Lists Azure RBAC deny assignments at the specified scope. By default it lists all deny assignments in the selected Azure subscription. Use respective parameters to

list deny assignments to a specific user, or to list deny assignments on a specific resource group or resource.

The cmdlet may call below Microsoft Graph API according to input parameters:

- GET /directoryObjects/{id}

- POST /directoryObjects/getByIds

SYNTAX

```
Get-AzDenyAssignment [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DenyAssignmentName  
<System.String>  
[-Scope <System.String>] [<CommonParameters>]
```

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>
[-ExpandPrincipalGroups] -ObjectId
<System.Nullable`1[System.Guid]> [<CommonParameters>]

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>
[-ExpandPrincipalGroups] -SignInName
<System.String> [<CommonParameters>]

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Id <System.String>
[-Scope
<System.String>] [<CommonParameters>]

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ObjectId
<System.Nullable`1[System.Guid]> -ResourceGroupName <System.String> [<CommonParameters>]

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ObjectId
<System.Nullable`1[System.Guid]> [-ParentResource <System.String>] -ResourceGroupName <System.String>
-ResourceName <System.String> -ResourceType <System.String>
[<CommonParameters>]

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ObjectId
<System.Nullable`1[System.Guid]> -Scope <System.String> [<CommonParameters>]

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ParentResource
<System.String>]

-ResourceGroupName <System.String> -ResourceName <System.String> -ResourceType <System.String> -SignInName
<System.String> [<CommonParameters>]

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ParentResource
<System.String>]

-ResourceGroupName <System.String> -ResourceName <System.String> -ResourceType <System.String>
-ServicePrincipalName <System.String> [<CommonParameters>]

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ParentResource
<System.String>]

-ResourceGroupName <System.String> -ResourceName <System.String> -ResourceType <System.String>
[<CommonParameters>]

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

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

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

Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Scope
<System.String>]

[<CommonParameters>]

```
Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Scope
<System.String> -SignInName
<System.String> [<CommonParameters>]
```

```
Get-AzDenyAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Scope
<System.String>
-ServicePrincipalName <System.String> [<CommonParameters>]
```

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

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

DESCRIPTION

Use the Get-AzDenyAssignment command to list all deny assignments that are effective on a scope. Without any parameters, this command returns all the deny assignments

made under the subscription. This list can be filtered using filtering parameters for principal, deny assignment name and scope. To specify a user, use SignInName or

Microsoft Entra ObjectIds parameters. To specify a security group, use Microsoft Entra ObjectIds parameter. And to specify a Microsoft Entra application, use

ServicePrincipalName or ObjectIds parameters. The scope at which access is being denied may be specified. It defaults to the selected subscription. The scope of the

deny assignment can be specified using one of the following parameter combinations

a. Scope - This is the fully

qualified scope starting with

/subscriptions/<subscriptionId>. This will filter deny assignments that are effective at that particular scope i.e. all deny assignments at that scope and above.

b. ResourceGroupName - Name of any resource group under the subscription. This will filter assignments effective at the specified resource group i.e. all deny

assignments at that scope and above. c. ResourceName, ResourceType, ResourceGroupName and (optionally)

ParentResource - Identifies a particular resource under

the subscription and will filter deny assignments effective at that resource scope. To determine what access is denied for a particular user in the subscription, use

the ExpandPrincipalGroups switch. This will list all deny assignments assigned to the user, and to the groups that the user is member of.

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

-DenyAssignmentName <System.String>

Name of the deny assignment.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ExpandPrincipalGroups <System.Management.Automation.SwitchParameter>

If specified, returns deny assignments directly assigned to the user and to the groups of which the user is a member (transitively). Supported only for a user principal.

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

-Id <System.String>

Deny assignment fully qualified ID or GUID. When Id is provided as a GUID, will take current subscription as default scope.

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

-ObjectId <System.Nullable`1[System.Guid]>

The Microsoft Entra ObjectId of the User, Group or Service Principal. Filters all deny assignments that are made to the specified principal.

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

-ParentResource <System.String>

The parent resource in the hierarchy of the resource specified using ResourceName parameter. Must be used in conjunction with ResourceGroupName, ResourceType, and

ResourceName parameters.

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

-ResourceGroupName <System.String>

The resource group name. Lists deny assignments that are effective at the specified resource group. When used in conjunction with ResourceName, ResourceType, and

ParentResource parameters, the command lists deny assignments effective at resources within the resource group.

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

-ResourceName <System.String>

The resource name. For e.g. storageaccountprod. Must be used in conjunction with ResourceGroupName, ResourceType, and (optionally)ParentResource parameters.

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

-ResourceType <System.String>

The resource type. For e.g. Microsoft.Network/virtualNetworks. Must be used in conjunction with ResourceGroupName, ResourceName, and (optionally)ParentResource parameters.

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

-Scope <System.String>

The Scope of the role assignment. In the format of relative URI. For e.g. /subscriptions/9004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourceGroups/TestRG. It must start with "/subscriptions/{id}". The command filters all deny assignments that are effective at that scope.

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

-ServicePrincipalName <System.String>

The ServicePrincipalName of the service principal. Filters all deny assignments that are made to the specified Microsoft Entra application.

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

-SignInName <System.String>

The email address or the user principal name of the user. Filters all deny assignments that are made to the specified user.

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>).

INPUTS

System.Guid

System.String

OUTPUTS

Microsoft.Azure.Commands.Resources.Models.Authorization.PSDenyAssignment

NOTES

Keywords: azure, azurearm, arm, resource, management, manager, resource, group, template, deployment

----- Example 1 -----

Get-AzDenyAssignment

Id :

/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/providers/Microsoft.Authorization/denyAssignments/22704996-fbd0-4ab1-8625-722d897825d2

DenyAssignmentName : Test deny assignment 1

Description : Test deny assignment for PS cmdlets

Actions : {foo/*}

NotActions : {foo/*/read}

DataActions : {foo/*}

NotDataActions : {}

Scope : /subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f

DoNotApplyToChildScopes : False

Principals : {

DisplayName: All Principals

ObjectType: SystemDefined

ObjectId: 00000000-0000-0000-0000-000000000000

}

ExcludePrincipals : {

DisplayName: testuser

ObjectType: User

ObjectId: f8d526a0-54eb-4941-ae69-ebf4a334d0f0

}

IsSystemProtected : True

Id :

/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourcegroups/testRG/providers/Microsoft.Authorization/denyAssignments/43af7d0c-0bf8-407f-96c0-96a29d076431

DenyAssignmentName : Test deny assignment 2

Description : Test deny assignment for PS cmdlets

Actions : {foo/*}

NotActions : {foo/*/read}

DataActions : {foo/*}

NotDataActions : {}

Scope : /subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourcegroups/testRG

DoNotApplyToChildScopes : False

Principals : {
 DisplayName: testuser
 ObjectType: User
 ObjectId: f8d526a0-54eb-4941-ae69-ebf4a334d0f0
 ,
 DisplayName: PowershellTestingApp
 ObjectType: ServicePrincipal
 ObjectId: f2dc21ac-702a-4bde-a4ce-146edf751d81
}

ExcludePrincipals : {}

IsSystemProtected : True

----- Example 2 -----

Get-AzDenyAssignment -ResourceGroupName testRG -SignInName john.doe@contoso.com

Id :
/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/providers/Microsoft.Authorization/denyAssignments/22704996-fbd0-4ab1-8625-722d897825d2

DenyAssignmentName : Test deny assignment 1

Description : Test deny assignment for PS cmdlets

Actions : {foo/*}

NotActions : {foo/*/read}

DataActions : {foo/*}

NotDataActions : {}

Scope : /subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f

DoNotApplyToChildScopes : False

Principals : {

DisplayName: john.doe
ObjectType: User
ObjectId: f8d526a0-54eb-4941-ae69-ebf4a334d0f0
}

ExcludePrincipals : {}

IsSystemProtected : True

Id :

/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourcegroups/testRG/providers/Microsoft.Authorization/denyAssignments/43af7d0c-0bf8-407f-96c0-96a29d076431

DenyAssignmentName : Test deny assignment

Description : Test deny assignment for PS cmdlets

Actions : {foo/*}

NotActions : {foo/*/read}

DataActions : {foo/*}

NotDataActions : {}

Scope : /subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourcegroups/testRG

DoNotApplyToChildScopes : False

Principals : {

DisplayName: john.doe

ObjectType: User

ObjectId: f8d526a0-54eb-4941-ae69-ebf4a334d0f0

,

DisplayName: PowershellTestingApp

ObjectType: ServicePrincipal

ObjectId: f2dc21ac-702a-4bde-a4ce-146edf751d81

}

ExcludePrincipals : {}

IsSystemProtected : True

----- Example 3 -----

Get-AzDenyAssignment -ServicePrincipalName 'http://testapp1.com'

Id :

/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourcegroups/testRG/providers/Microsoft.Authorization/denyAssignments/43af7d0c-0bf8-407f-96c0-96a29d076431

DenyAssignmentName : Test deny assignment 1

Description : Test deny assignment for PS cmdlets

Actions : {foo/*}

NotActions : {foo/*/read}

DataActions : {foo/*}

NotDataActions : {}

Scope : /subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourcegroups/testRG

DoNotApplyToChildScopes : False

Principals : {

DisplayName: TestApp

ObjectType: ServicePrincipal

ObjectId: f2dc21ac-702a-4bde-a4ce-146edf751d81

}

ExcludePrincipals : {}

IsSystemProtected : True

Id :

/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourceGroups/testRG/providers/Microsoft.Web/sites/site1/providers/Microsoft.Authorization/denyAssignments/94e3d9da-3700-4113-aab4-15f6c173d794

DenyAssignmentName : Test deny assignment 2

Description : Test deny assignment for PS cmdlets

Actions : {foo/*}

NotActions : {foo/*/read}

DataActions : {foo/*}

NotDataActions : {}

Scope :

/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourceGroups/testRG/providers/Microsoft.Web/sites/site1

DoNotApplyToChildScopes : False

Principals : {

DisplayName: testuser

ObjectType: User

ObjectId: f8d526a0-54eb-4941-ae69-ebf4a334d0f0

,

DisplayName: TestApp

ObjectType: ServicePrincipal

ObjectId: f2dc21ac-702a-4bde-a4ce-146edf751d81

}

ExcludePrincipals : {}

IsSystemProtected : True

----- Example 4 -----

Get-AzDenyAssignment -Scope

/subscriptions/96231a05-34ce-4eb4-aa6a-70759cbb5e83/resourcegroups/testRG/providers/Microsoft.Web/sites/site1'

Id :

/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourcegroups/testRG/providers/Microsoft.Authorization/denyAssignments/43af7d0c-0bf8-407f-96c0-96a29d076431

DenyAssignmentName : Test deny assignment 1

Description : Test deny assignment for PS cmdlets

Actions : {foo/*}

NotActions : {foo/*/read}

DataActions : {foo/*}
NotDataActions : {}
Scope : /subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourcegroups/testRG
DoNotApplyToChildScopes : False
Principals : {
 DisplayName: testuser
 ObjectType: User
 ObjectId: f8d526a0-54eb-4941-ae69-ebf4a334d0f0
}
ExcludePrincipals : {}
IsSystemProtected : True

Id :
/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourceGroups/testRG/providers/Microsoft.Web/sites/site1/providers/Microsoft.Authorization

on/denyAssignments/594e3d9da-3700-4113-aab4-15f6c173d794

DenyAssignmentName : Test deny assignment 2
Description : Test deny assignment for PS cmdlets
Actions : {foo/*}
NotActions : {foo/*/read}
DataActions : {foo/*}
NotDataActions : {}
Scope :

/subscriptions/4004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourceGroups/testRG/providers/Microsoft.Web/sites/site1

DoNotApplyToChildScopes : False
Principals : {
 DisplayName: testuser
 ObjectType: User
 ObjectId: f8d526a0-54eb-4941-ae69-ebf4a334d0f0
 ,
 DisplayName: TestApp
 ObjectType: ServicePrincipal
 ObjectId: f2dc21ac-702a-4bde-a4ce-146edf751d81

```
}
```

```
ExcludePrincipals : {}
```

```
IsSystemProtected : True
```

RELATED LINKS

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