



Windows PowerShell Get-Help on Cmdlet 'Remove-AzRoleAssignment'

PS:\>Get-HELP Remove-AzRoleAssignment -Full

NAME

Remove-AzRoleAssignment

SYNOPSIS

Removes a role assignment to the specified principal who is assigned to a particular role at a particular scope.

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

- GET /users/{id}
- GET /servicePrincipals/{id}
- GET /groups/{id}
- GET /directoryObjects/{id}
- POST /directoryObjects/getByIds

Please notice that this cmdlet will mark `ObjectType` as `Unknown` in output if the object of role assignment is not found

or current account has insufficient
privileges to get object type.

SYNTAX

```
Remove-AzRoleAssignment [-InputObject]
<Microsoft.Azure.Commands.Resources.Models.Authorization.PSRoleAssignment> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PassThru]
[-SkipClientSideScopeValidation] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Remove-AzRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ObjectId
<System.String>
[-PassThru] -RoleDefinitionName <System.String> [-Scope <System.String>] [-SkipClientSideScopeValidation] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Remove-AzRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ObjectId
<System.String>
[-ParentResource <System.String>] [-PassThru] -ResourceGroupName <System.String> -ResourceName
<System.String> -ResourceType <System.String> -RoleDefinitionName
<System.String> [-SkipClientSideScopeValidation] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Remove-AzRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ObjectId
<System.String>
[-PassThru] -ResourceGroupName <System.String> -RoleDefinitionName <System.String>
[-SkipClientSideScopeValidation] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Remove-AzRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ObjectId
```

<System.String>

[-PassThru] -RoleDefinitionName <System.String> [-Scope <System.String>] [-SkipClientSideScopeValidation] [-Confirm]
[-WhatIf] [<CommonParameters>]

Remove-AzRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ObjectId

<System.String>

[-PassThru] -RoleDefinitionId <System.Guid> [-Scope <System.String>] [-SkipClientSideScopeValidation] [-Confirm]
[-WhatIf] [<CommonParameters>]

Remove-AzRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ParentResource

<System.String>]

[-PassThru] -ResourceGroupName <System.String> -ResourceName <System.String> -ResourceType <System.String>
-RoleDefinitionName <System.String> -SignInName
<System.String> [-SkipClientSideScopeValidation] [-Confirm] [-WhatIf] [<CommonParameters>]

Remove-AzRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ParentResource

<System.String>]

[-PassThru] -ResourceGroupName <System.String> -ResourceName <System.String> -ResourceType <System.String>
-RoleDefinitionName <System.String> -ServicePrincipalName
<System.String> [-SkipClientSideScopeValidation] [-Confirm] [-WhatIf] [<CommonParameters>]

Remove-AzRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PassThru]

-ResourceGroupName

<System.String> -RoleDefinitionName <System.String> -SignInName <System.String> [-SkipClientSideScopeValidation]
[-Confirm] [-WhatIf] [<CommonParameters>]

Remove-AzRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PassThru]

-ResourceGroupName

```

        <System.String> -RoleDefinitionName <System.String> -ServicePrincipalName <System.String>
[-SkipClientSideScopeValidation] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Remove-AzRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PassThru]
-RoleDefinitionName
<System.String> [-Scope <System.String>] -SignInName <System.String> [-SkipClientSideScopeValidation] [-Confirm]
[-WhatIf] [<CommonParameters>]

```

```

Remove-AzRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-PassThru]
-RoleDefinitionName
<System.String> [-Scope <System.String>] -ServicePrincipalName <System.String> [-SkipClientSideScopeValidation]
[-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

Use the Remove-AzRoleAssignment commandlet to revoke access to any principal at given scope and given role. The object of the assignment i.e. the principal MUST be

specified. The principal can be a user (use SignInName or ObjectId parameters to identify a user), security group (use ObjectId parameter to identify a group) or

service principal (use ServicePrincipalName or ObjectId parameters to identify a ServicePrincipal. The role that the principal is assigned to MUST be specified using

the RoleDefinitionName parameter. The scope of the assignment MAY be specified and if not specified, defaults to the subscription scope i.e. it will try to delete an

assignment to the specified principal and role at the subscription scope. The scope of the assignment can be specified using one of the following parameters.

- a. Scope - This is the fully qualified scope starting with /subscriptions/<subscriptionId>
- b. ResourceGroupName - Name of any resource group under the subscription.
- c. ResourceName, ResourceType, ResourceGroupName and (optionally) ParentResource - Identifies a particular resource under the subscription.

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

-InputObject <Microsoft.Azure.Commands.Resources.Models.Authorization.PSRoleAssignment>

Role Assignment object.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-ObjectId <System.String>

Microsoft Entra ObjectId of the user, group or service 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), if any. Must be used in conjunction with ResourceGroupName,

ResourceType and ResourceName parameters to construct a hierarchical scope in the form of a relative URI that identifies the resource.

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

-PassThru <System.Management.Automation.SwitchParameter>

If specified, displays the deleted role assignment

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

-ResourceGroupName <System.String>

The resource group name that the role is assigned to. Attempts to delete an assignment at the specified resource group scope. When used in conjunction with

ResourceName, ResourceType and (optionally)ParentResource parameters, the command constructs a hierarchical scope in the form of a relative URI that identifies a resource.

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, to

construct a hierarchical scope in the form of a relative URI that identifies the resource and delete an assignment at that

scope.

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 to construct a hierarchical scope in the form of a relative URI that identifies the resource and delete an assignment at that resource scope.

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

-RoleDefinitionId <System.Guid>

Id of the RBAC role for which the assignment needs to be deleted.

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

-RoleDefinitionName <System.String>

Name of the RBAC role for which the assignment needs to be deleted i.e. Reader, Contributor, Virtual Network Administrator, etc.

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 to be deleted. In the format of relative URI. For e.g.

"/subscriptions/9004a9fd-d58e-48dc-aeb2-4a4aec58606f/resourceGroups/TestRG". If not specified, will attempt to delete the role at subscription level. If specified, it should start with "/subscriptions/{id}".

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

-ServicePrincipalName <System.String>

The ServicePrincipalName of the 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.

Required? true
Position? named
Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SkipClientSideScopeValidation <System.Management.Automation.SwitchParameter>

If specified, skip client side scope validation.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Required? false

Position? named

Default value False

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

System.String

System.Guid

Microsoft.Azure.Commands.Resources.Models.Authorization.PSRoleAssignment

OUTPUTS

Microsoft.Azure.Commands.Resources.Models.Authorization.PSRoleAssignment

NOTES

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

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

```
Remove-AzRoleAssignment -ResourceGroupName rg1 -SignInName john.doe@contoso.com -RoleDefinitionName
```

Reader

Removes a role assignment for john.doe@contoso.com who is assigned to the Reader role at the rg1 resourcegroup scope.

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

```
Remove-AzRoleAssignment -ObjectId 36f81fc3-b00f-48cd-8218-3879f51ff39f -RoleDefinitionName Reader
```

Removes the role assignment to the group principal identified by the ObjectId and assigned to the Reader role. Defaults to using the current subscription as the scope to find the assignment to be deleted.

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

```
$roleassignment = Get-AzRoleAssignment |Select-Object -First 1 -Wait  
Remove-AzRoleAssignment -InputObject $roleassignment
```

Removes the first role assignment object which is fetched from the Get-AzRoleAssignment commandlet.

RELATED LINKS

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

New-AzRoleAssignment

Get-AzRoleAssignment

Get-AzRoleDefinition