



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

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

NAME

Get-AzSynapseRoleAssignment

SYNOPSIS

Gets a Synapse Analytics role assignment.

SYNTAX

```

Get-AzSynapseRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Item <System.String>]
[-ItemType {ApacheSparkPool | IntegrationRuntime | LinkedService | Credential}] [-RoleDefinitionName <System.String>]
[-SignInName <System.String>] -WorkspaceName
<System.String> [<CommonParameters>]

```

```

Get-AzSynapseRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Item <System.String>]
[-ItemType {ApacheSparkPool | IntegrationRuntime | LinkedService | Credential}] [-ObjectId <System.String>]
[-RoleDefinitionName <System.String>] -WorkspaceName

```

<System.String> [<CommonParameters>]

Get-AzSynapseRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Item <System.String>]

[-ItemType {ApacheSparkPool | IntegrationRuntime | LinkedService | Credential}] [-ObjectId <System.String>]

-RoleDefinitionId <System.String> -WorkspaceName

<System.String> [<CommonParameters>]

Get-AzSynapseRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Item <System.String>]

[-ItemType {ApacheSparkPool | IntegrationRuntime | LinkedService | Credential}] [-RoleDefinitionName <System.String>]

[-ServicePrincipalName <System.String>]

-WorkspaceName <System.String> [<CommonParameters>]

Get-AzSynapseRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Item <System.String>]

[-ItemType {ApacheSparkPool | IntegrationRuntime | LinkedService | Credential}] [-RoleDefinitionName <System.String>]

-SignInName <System.String> -WorkspaceObject

<Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [<CommonParameters>]

Get-AzSynapseRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Item <System.String>]

[-ItemType {ApacheSparkPool | IntegrationRuntime | LinkedService | Credential}] [-ObjectId <System.String>]

[-RoleDefinitionName <System.String>] -WorkspaceObject

<Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [<CommonParameters>]

Get-AzSynapseRoleAssignment [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Item <System.String>]

```
[-ItemType {ApacheSparkPool | IntegrationRuntime | LinkedService | Credential}] [-ObjectId <System.String>]
-RoleDefinitionId <System.String> -WorkspaceObject
<Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [<CommonParameters>]
```

```
Get-AzSynapseRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Item <System.String>]
```

```
[-ItemType {ApacheSparkPool | IntegrationRuntime | LinkedService | Credential}] [-RoleDefinitionName <System.String>]
-ServicePrincipalName <System.String>
-WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace> [<CommonParameters>]
```

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

```
Get-AzSynapseRoleAssignment [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -RoleAssignmentId
<System.String> -WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace>
[<CommonParameters>]
```

DESCRIPTION

The Get-AzSynapseRoleAssignment cmdlet gets a Azure Synapse Analytics Role Assignment. If you do not specify a role definition or a user principal name, this cmdlet gets all role assignment.

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

* GET /users/{id}

* GET /servicePrincipals/{id}

>[!Note] > To retrieve a role assignment for a service principal, pass the object ID of the principal in the ObjectId parameter.

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

-Item <System.String>

The item of Azure Synapse workspace.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ItemType <Microsoft.Azure.Commands.Synapse.Models.SynapseConstants+WorkspaceItemType>

The itemtype of Azure Synapse workspace.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ObjectId <System.String>

The Microsoft Entra ObjectId of the User, Group or Service Principal.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RoleAssignmentId <System.String>

The ID of the role assignment.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RoleDefinitionId <System.String>

Id of the Role that is assigned to the principal.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RoleDefinitionName <System.String>

Name of the Role that is assigned to the principal.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ServicePrincipalName <System.String>

The ServicePrincipalName of the service principal.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SignInName <System.String>

The email address or the user principal name of the user.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-WorkspaceName <System.String>

Name of Synapse workspace.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-WorkspaceObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace>

workspace input object, usually passed through the pipeline.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	True (ByValue)
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

Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace

OUTPUTS

Microsoft.Azure.Commands.Synapse.Models.PSRoleAssignmentDetails

NOTES

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

Get-AzSynapseRoleAssignment -WorkspaceName ContosoWorkspace

This command gets all role assignments under a workspace.

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

```
Get-AzSynapseRoleAssignment -WorkspaceName ContosoWorkspace -RoleDefinitionName ContosoRole
```

This command gets all role assignments under workspace ContosoWorkspace with role name ContosoRole.

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

```
Get-AzSynapseRoleAssignment -WorkspaceName ContosoWorkspace -RoleDefinitionName ContosoRole -SignInName  
ContosoName
```

This command gets a role assignment under workspace ContosoWorkspace with role name ContosoRole and user principal name ContosoName.

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

```
Get-AzSynapseRoleAssignment -WorkspaceName ContosoWorkspace -RoleDefinitionName ContosoRole -SignInName  
ContosoName -ItemType ContosoItemType
```

This command gets role assignments under workspace ContosoWorkspace with role name ContosoRole, user principal name ContosoName and under itemtype ContosoItemtype.

----- Example 5 -----

```
Get-AzSynapseRoleAssignment -WorkspaceName ContosoWorkspace -RoleDefinitionName ContosoRole -SignInName  
ContosoName -ItemType ContosoItemType -Item ContosoItem
```

This command gets a role assignment under workspace ContosoWorkspace with role name ContosoRole, user principal name ContosoName, ContosoItemType and ContosoItem.

----- Example 6 -----

```
$ws = Get-AzSynapseWorkspace -Name ContosoWorkspace
```

```
$ws | Get-AzSynapseRoleAssignment
```

This command gets all role assignments under a workspace through pipeline.

RELATED LINKS

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