



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

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

NAME

New-AzSynapseRoleAssignment

SYNOPSIS

Creates a Synapse Analytics role assignment.

SYNTAX

```

New-AzSynapseRoleAssignment [-AsJob] [-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> [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzSynapseRoleAssignment [-AsJob] [-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> [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzSynapseRoleAssignment [-AsJob] [-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> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

New-AzSynapseRoleAssignment [-AsJob] [-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> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

New-AzSynapseRoleAssignment [-AsJob] [-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> [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzSynapseRoleAssignment [-AsJob] [-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> [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

New-AzSynapseRoleAssignment [-AsJob] [-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> [-Confirm] [-WhatIf]
[<CommonParameters>]

```

<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> [-Confirm]

[-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzSynapseRoleAssignment cmdlet creates an Azure Synapse Analytics role assignment.

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

* GET /users/{id}

* GET /servicePrincipals/{id}

>[!Note] > To create a role assignment for a service principal, pass the object ID of the principal in the ObjectId parameter. > When you are a user with permission

to manage Azure RBAC role assignment on the workspace but not a Synapse Administrator, please create Synapse Administrator role by -RoleDefinitionId and -ObjectId

directly but not by -RoleDefinitionName , for Synapse Administrator, RoleDefinitionId is "6e4bf58a-b8e1-4cc3-bbf9-d73143322b78", please take below Example 5 as

reference. The reason for this is , when you try to add a "Synapse Administrator" role, the cmdlet needs to get the role ID from the role name which requires

workspace read permission, which the current user does not have.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

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

-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 workspace item.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

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

The workspace item type.

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? 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? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ServicePrincipalName <System.String>

The ServicePrincipalName of the service principal.

Required? true

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? true
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

-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>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

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

Microsoft.Azure.Commands.Synapse.Models.PSSynapseWorkspace

OUTPUTS

Microsoft.Azure.Commands.Synapse.Models.PSRoleAssignmentDetails

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

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

This command assigns ContosoRole to the user whose principal name is ContosoName.

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

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

This command assigns ContosoRole to the user whose principal name is ContosoName and item type is ContosoItem, item is ContosoItem.

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

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

This command assigns ContosoRole to the user whose principal name is ContosoName and item type is ContosoItem, item is ContosoItem.

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

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

```
$ws | New-AzSynapseRoleAssignment -RoleDefinitionName ContosoRole -SignInName ContosoName
```

This command assigns ContosoRole to the user whose principal name is ContosoName through pipeline.

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

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

```
    $ws | New-AzSynapseRoleAssignment -RoleDefinitionId "6e4bf58a-b8e1-4cc3-bbf9-d73143322b78" -ObjectId  
ContosoObjectId
```

This command assigns Synapse Administrator role to the user whose object Id is ContosoObjectId through pipeline.

RELATED LINKS

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