



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

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

NAME

Get-AzKeyVaultRoleAssignment

SYNOPSIS

Get or list role assignments of a managed HSM. Use respective parameters to list assignments to a specific user or a role definition.

SYNTAX

```
Get-AzKeyVaultRoleAssignment [-HsmName] <System.String> [-ApplicationId <System.String>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ObjectId
    <System.String>] [-RoleDefinitionId <System.String>]
    [-RoleDefinitionName <System.String>] [-Scope <System.String>] [-SignInName <System.String>]
    [<CommonParameters>]
```

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

DESCRIPTION

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

assignments made under the managed HSM. This list can be filtered using filtering parameters for principal, role and scope. The subject of the assignment must be

specified. To specify a user, use SignInName or Microsoft Entra ObjectId parameters. To specify a security group, use Microsoft Entra ObjectId parameter. And to

specify a Microsoft Entra application, use ApplicationId or ObjectId parameters. The role that is being assigned must be specified using the RoleDefinitionName or

RoleDefinitionId parameter. The scope at which access is being granted may be specified. It defaults to "/".

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

- GET /directoryObjects/{id}

- GET /users/{id}

- GET /servicePrincipals/{id}

- GET /groups/{id}

PARAMETERS

-ApplicationId <System.String>

The app SPN.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

-HsmName <System.String>

Name of the HSM.

Required? true
Position? 1
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-ObjectId <System.String>

The user or group object id.

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

-RoleAssignmentName <System.String>

Name of the role assignment.

Required? true
Position? named
Default value None
Accept pipeline input? False

Accept wildcard characters? false

-RoleDefinitionId <System.String>

Role Id the principal is assigned to.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RoleDefinitionName <System.String>

Name of the RBAC role to assign the principal with.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Scope <System.String>

Scope at which the role assignment or definition applies to, e.g., '/' or '/keys' or '/keys/{keyName}'. '/' is used when omitted.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SignInName <System.String>

The user SignInName.

Required? false
Position? named
Default value None
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

None

OUTPUTS

Microsoft.Azure.Commands.KeyVault.Models.PSKeyVaultRoleAssignment

NOTES

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

Get-AzKeyVaultRoleAssignment -HsmName myHsm

RoleDefinitionName	DisplayName	ObjectType	Scope
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```

Managed HSM Administrator User 1 (user1@microsoft.com)  User  /
Managed HSM Crypto Auditor User 2 (user2@microsoft.com)  User  /keys
Managed HSM Backup      User 2 (user2@microsoft.com)  User  /
Managed HSM Administrator User 2 (user2@microsoft.com)  User  /

```

This example lists all role assignments of "myHsm" on all the scope.

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

```
Get-AzKeyVaultRoleAssignment -HsmName myHsm -SignInName user1@microsoft.com -Scope "/keys"
```

RoleDefinitionName	DisplayName	ObjectType	Scope
-----	-----	-----	-----
Managed HSM Crypto Auditor	User 1 (user1@microsoft.com)	User	/keys
Managed HSM Backup	User 1 (user1@microsoft.com)	User	/keys

This example lists all role assignments of "myHsm" on "/keys" scope and filters the result by user sign-in name.

RELATED LINKS

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