



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

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

NAME

New-AzKeyVaultRoleDefinition

SYNOPSIS

Creates a custom role definition on an HSM.

SYNTAX

```
New-AzKeyVaultRoleDefinition [-HsmName] <System.String> [-InputFile] <System.String> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Scope
    <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```



```
New-AzKeyVaultRoleDefinition [-HsmName] <System.String> [-Role]
    <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVaultRoleDefinition> [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Scope
    <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The `New-AzKeyVaultRoleDefinition` cmdlet creates a custom role in Azure Role-Based Access Control on an Azure

KeyVault managed HSM.

Provide either a JSON role definition file or a `PSKeyVaultRoleDefinition` object as input. First, use the `Get-AzKeyVaultRoleDefinition` command to generate a

baseline role definition object. Then, modify its properties as required. Finally, use this command to create a custom role using role definition.

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

`-HsmName <System.String>`

Name of the HSM.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

`-InputFile <System.String>`

File name containing a single role definition.

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Role <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVaultRoleDefinition>

A role definition object.

Required? true

Position? 2

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

-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

None

OUTPUTS

Microsoft.Azure.Commands.KeyVault.Models.PSKeyVaultRoleDefinition

NOTES

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

```
$role = Get-AzKeyVaultRoleDefinition -HsmName myHsm -RoleDefinitionName 'Managed HSM Crypto User'
```

```
$role.Name = $null
```

```
$role.RoleName = "my custom role"
```

```
$role.Description = "description for my role"
```

```
    $role.Permissions[0].DataActions    =    @("Microsoft.KeyVault/managedHsm/roleAssignments/write/action",  
"Microsoft.KeyVault/managedHsm/roleAssignments/delete/action") #  
todo  
New-AzKeyVaultRoleDefinition -HsmName myHsm -Role $role
```

This example uses the predefined "Managed HSM Crypto User" role as a template to create a custom role.

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

```
Get-AzKeyVaultRoleDefinition -HsmName myHsm -RoleDefinitionName 'Managed HSM Crypto User' | ConvertTo-Json  
-Depth 9 > C:\Temp\roleDefinition.json  
# Edit roleDefinition.json. Make sure to clear "Name" so as not to overwrite an existing role.  
New-AzKeyVaultRoleDefinition -HsmName myHsm -InputFile C:\Temp\roleDefinition.json
```

This example uses a JSON file as the input of the custom role.

RELATED LINKS

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