



# EMC Unity - NFS Share Operations

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# EMC Unity - Add hosts to NFS Share

## Summary

Add hosts to the NFS share with different access types.

## Description

This task map one or more hosts to an NFS share based on selected Access type. Same host can not be part of more than on Access Type group. E.g if a host is added to No Access hosts, it can not be part of Root Access or Read write Access or Read Access Groups. Input Format:

- EMC Unity NFS Share:

podName@accountName@nas4@pool\_7@Pool0@TestFS@fs\_14@testNFS@NFSShare\_18

For example: Default Pod@EmcUnity@SP

A@spa@TestNAS@nas\_4@pool\_7@Pool0@TestFS@fs\_14@testNFS@NFSShare\_18

- Host Access Type: Select the default access Type
- Host(s): Select the hosts to associate to NFS Share

## Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity NFS Share	Select the NFS Share to associate new hosts	EMCUnityNfsShareIdentity	Y
Host Access Type	Select the host access type	EMCUnityNFSshareHostAccessType	
Host(s)	Select the hosts to associate to NFS Share	EMCUnityHostIdentity	Y

## Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_HOST_IDENTITY	EMC Unity Host Identity.	EMCUnityHostIdentity
OUTPUT_EMC_UNITY_NFS_SHARE_NAME	EMC Unity NFS Share Name	gen_text_input
OUTPUT_EMC_UNITY_SNAPSHOT_IDENTITY	EMC Unity Snapshot Identity	EMCUnitySnapShotIdentity
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity
OUTPUT_EMC_UNITY_NFS_SHARE_EXPORT_PATH	EMC Unity NFS Share Export Path	gen_text_input
OUTPUT_EMC_UNITY_NFS_SHARE_LOCAL_PATH	EMC Unity NFS Share Local Path	gen_text_input
OUTPUT_EMC_UNITY_NFS_SHARE_IDENTITY	EMC Unity NFS Share Identity.	EMCUnityNfsShareIdentity

# EMC Unity - Create NFS Share

## Summary

Create an NFS share on a file system or on a snapshot of the file system.

## Description

This task creates an NFS Share on an EMC Unity file system or on a snapshot of the file system. You can optionally associate Host during NFS Share creation. Same host can not be part of more than one Access Type. E.g if a host is added to No Access hosts, it can not be part of Root Access or Read write Access or Read Access Groups. If no hosts are selected, all hosts will have same access as selected in Default Access input. The rollback task for Create EMC Unity NFS Share is Delete EMC Unity NFS Share. Input Format:

- EMC Unity Account Name: podName@AccountName. For example: Vblock@Unity\_Hybrid
- EMC Unity File System:  
podName@accountName@spName@dc@msServerName@msServerID@storagePool@storagePoolName@fileSystemName@fileSystemID.  
For example: Default Pod@EmcUnity@SP  
A@spa@TestNAS@nas\_4@pool\_7@Pool0@TestFS@fs\_14
- Use Snapshot: Check box to create NFS Share on Snapshot
- EMC Unity File System Snapshot: Select the file system to create NFS share on
- Name: Valid Storage Pool Name - The following special characters are not allowed: " % & ' \* + . / \ ; < = > ? ^ @ | ,
- Description: Valid Description
- Path: Valid Path - Path destination should exist, if path is not given share is created on root directory
- Default Access: Select the default access Type
- Minimum Security: Select the minimum Security Type
- No Access Hosts: Select the hosts that you want to prevent access to
- Read Only Hosts: Select the hosts that you want to provide read-only access to
- Root Access Hosts: Select the hosts that you want to provide root access to
- Read Write Hosts: Select the hosts that you want to provide read-write access to

## Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity Account	Select EMC Unity account to add NFS Share	EMCUnityAccount Identity	Y
EMC Unity File System	Select the file system to create NFS share on	EMCUnityFileSystem Identity	Y
Use Snapshot	Select checkbox to create NFS share on a snapshot	Boolean	
EMC Unity File System Snapshot	Select the file system snapshot to create NFS share on	EMCUnitySnapShot Identity	Y
Name	Enter the name of the NFS Share. The following special characters are not allowed " , % , & , ' , * , + , . , / , \ , ; , < , = , > , ? , ^ , @ ,   and , "	gen_text_input	

Input	Description	Mappable To Type	Mandatory
Path	Enter the path for the NFS Share. Path destination should exist, if path is not given share is created on root directory	gen_text_input	
Description	Enter description for the NFS Share	gen_text_input	
Default Access	Select the default access type	EMCUnityNFSshareHostAccessType	
Minimum Security	Select the minimum security type	EMCUnityNFSshareMinimumSecurityType	
No Access Hosts	Select the hosts that you want to prevent access to	EMCUnityHostIdentity	
Read Only Hosts	Select the hosts that you want to provide read-only access to	EMCUnityHostIdentity	
Read Write Hosts	Select the hosts that you want to provide read-write access to	EMCUnityHostIdentity	
Root Access Hosts	Select the hosts that you want to provide root access to	EMCUnityHostIdentity	

### Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_NFS_SHARE_NAME	EMC Unity NFS Share Name	gen_text_input
OUTPUT_EMC_UNITY_SNAPSHOT_IDENTITY	EMC Unity Snapshot Identity	EMCUnitySnapShotIdentity
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity
OUTPUT_EMC_UNITY_NFS_SHARE_EXPORT_PATH	EMC Unity NFS Share Export Path	gen_text_input
OUTPUT_EMC_UNITY_NFS_SHARE_LOCAL_PATH	EMC Unity NFS Share Local Path	gen_text_input
OUTPUT_EMC_UNITY_NFS_SHARE_IDENTITY	EMC Unity NFS Share Identity.	EMCUnityNfsShareIdentity



# EMC Unity - Modify NFS Share

## Summary

Modify an NFS Share.

## Description

This task modifies an NFS Share in the EMC Unity Array. Only Description, Default Access Type and Minimum security values can be modified using this task. Input Format:

- EMC Unity NFS Share:  
podName@accountName@nasName@nasDataStoragePod@SystemName@SystemDataShareName@ShareID  
For example: Default Pod@EmcUnity@SPA@spa@TestNAS@nas\_4@pool\_7@Pool0@TestFS@fs\_14@testNFS@NFSShare\_18
- Description: Valid Description
- Default Access: Select the default access Type
- Minimum Security: Select the minimum Security Type

## Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity NFS Share	Select the NFS Share to modify	EMCUnityNfsShareIdentity	Y
Description	Enter description for the NFS Share	gen_text_input	
Default Access	Select the default access type	EMCUnityNfsShareHostAccessType	
Minimum Security	Select the minimum security type	EMCUnityNfsShareMinimumSecurityType	

## Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_NFS_SHARE_NAME	EMC Unity NFS Share Name	gen_text_input
OUTPUT_EMC_UNITY_SNAPSHOT_IDENTITY	EMC Unity Snapshot Identity	EMCUnitySnapShotIdentity
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity
OUTPUT_EMC_UNITY_NFS_SHARE_EXPORT_PATH	EMC Unity NFS Share Export Path	gen_text_input
OUTPUT_EMC_UNITY_NFS_SHARE_LOCAL_PATH	EMC Unity NFS Share Local Path	gen_text_input
OUTPUT_EMC_UNITY_NFS_SHARE_IDENTITY	EMC Unity NFS Share Identity.	EMCUnityNfsShareIdentity

# EMC Unity - Remove hosts from NFS Share

## Summary

Remove hosts from an NFS share with different access types.

## Description

This task unmaps one or more Hosts from an NFS share. Input Format:

- EMC Unity NFS Share:

PodName@AccountName@NamespaceName@StoragePoolName@SystemName@SystemDataShareName@ShareID

For example: Default Pod@EmcUnity@SP

A@spa@TestNAS@nas\_4@pool\_7@Pool0@TestFS@fs\_14@testNFS@NFSShare\_18

- Host Access Type: Select the default access Type
- Host(s): Select the hosts to unassociate from NFS Share

## Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity NFS Share	Select the NFS Share to unassociate existing hosts	EMCUnityNfsShareIdentity	Y
Host Access Type	Select the host access type	EMCUnityNFSshareHost AccessType	
Host(s)	Select the hosts to unassociate from NFS Share	EMCUnityHostIdentity	Y

## Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_HOST_IDENTITY	EMC Unity Host Identity.	EMCUnityHostIdentity
OUTPUT_EMC_UNITY_NFS_SHARE_NAME	EMC Unity NFS Share Name	gen_text_input
OUTPUT_EMC_UNITY_SNAPSHOT_IDENTITY	EMC Unity Snapshot Identity	EMCUnitySnapShot Identity
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccount Identity
OUTPUT_EMC_UNITY_NFS_SHARE_EXPORT_PATH	EMC Unity NFS Share Export Path	gen_text_input
OUTPUT_EMC_UNITY_NFS_SHARE_LOCAL_PATH	EMC Unity NFS Share Local Path	gen_text_input
OUTPUT_EMC_UNITY_NFS_SHARE_IDENTITY	EMC Unity NFS Share Identity.	EMCUnityNfsShare Identity

