



# EMC Unity - SMB Share Operations

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# EMC Unity - Create SMB Share

## Summary

Create an SMB/CIFS Share object on an EMC Unity array.

## Description

This task creates an SMB/CIFS Share on an EMC Unity storage array. This task creates two types of shares:

- An SMB Share created on a file system.
- An SMB Share created on a snapshot.

Input Format:

- EMC Unity Account: podName@AccountName. For example: Vblock@Unity\_Hybrid
- EMC Unity File System:  
podName@accountName@spName@id@nasServerName@nasServerID@storagePoolName@storagePoolID@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 SMB Share on Snapshot
- EMC Unity File System Snapshot: Select the file system to create SMB 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
- Access-based Enumeration: Check box-Filter directory entries according to client access permission
- Branch Cache Enabled: Check box-Supports hash generation for branch cache retrieval of data
- Protocol Encryption: Check box-Encrypt data as it is transmitted between the array and the host
- Continuous Availability: Check box-Gives continuous access to the share following an NAS Server failover
- Offline Availability: Check box-Manage the offline caching of the files by the client
- UMASK: Valid UMASK. For example: 022 Specifies the default UNIX UMASK for new files created on the share

## Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity Account	Choose an EMC Unity account	EMCUnityAccount Identity	Y
EMC Unity File System	Choose a file system on which to create the SMB share	EMCUnityFileSystem Identity	Y
Use Snapshot	Check to use the snapshot of the file system for share creation	Boolean	
Path	Enter the path of the SMB share related to the NAS server. The share is created in the root directory if the path is empty.	gen_text_input	
Share Name	Enter the name of the SMB share. The following 19 special characters are not	gen_text_input	

Input	Description	Mappable To Type	Mandatory
	allowed: ", %, &, ', *, +, ., /, \, :, ;, <, =, >, ?, ^, @,   and ,"		
Description	Enter a description for the SMB share	gen_text_input	
Access-based Enumeration	Check to filter directory entries by client access permission	Boolean	
Branch Cache Enabled	Check to branch the data retrieval cache	Boolean	
Protocol Encryption	Check to encrypt data transmitted between the array and the host	Boolean	
Continuous Availability	Check to maintain continuous access to the share following a NAS server failover	Boolean	
Offline Availability	Choose an offline availability type to manage offline file caching by the client	EMCUnitySMBShare OfflineAvailability Type	
UMASK	Enter the default UNIX UMASK for new files created on the share	gen_text_input	

### Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_CIFS_SHARE_IDENTITY	EMC Unity SMB Share Identity	EMCUnitySMBShare Identity
OUTPUT_EMC_UNITY_CIFS_SERVER_IDENTITY	EMC Unity SMB Server Identity	EMCUnitySMBServer Identity
OUTPUT_EMC_UNITY_SNAPSHOT_IDENTITY	EMC Unity Snapshot Identity	EMCUnitySnapShot Identity
OUTPUT_EMC_UNITY_FILE_SYSTEM_IDENTITY	EMC Unity File System Identity.	EMCUnityFileSystem Identity
OUTPUT_EMC_UNITY_CIFS_SHARE_NAME	EMC Unity SMB Share Name	gen_text_input
OUTPUT_EMC_UNITY_CIFS_SHARE_EXPORT_PATH	EMC Unity SMB Share Export Path	gen_text_input
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity

# EMC Unity - Delete SMB Share

## Summary

Delete an SMB/CIFS Share object from an EMC Unity array.

## Description

This task deletes an SMB/CIFS Share from an EMC Unity storage array. This task is also the rollback task for Create EMC Unity SMB/CIFS Share. Input Format:

- EMC Unity SMB Share:

podName@accountName@NAS@nas\_4@pool\_7@Pool0@TestFS@fs\_14@TestSMB@SMBShare\_10

For example: Default Pod@EmcUnity@SP

A@spa@TestNAS@nas\_4@pool\_7@Pool0@TestFS@fs\_14@TestSMB@SMBShare\_10

## Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity SMB Share	Choose an EMC Unity SMB share to be deleted	EMCUnitySMBShareIdentity	Y

## Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_CIFS_SHARE_IDENTITY	EMC Unity SMB Share Identity	EMCUnitySMBShareIdentity
OUTPUT_EMC_UNITY_FILE_SYSTEM_IDENTITY	EMC Unity File System Identity.	EMCUnityFileSystemIdentity
OUTPUT_EMC_UNITY_CIFS_SHARE_NAME	EMC Unity SMB Share Name	gen_text_input
OUTPUT_EMC_UNITY_CIFS_SHARE_EXPORT_PATH	EMC Unity SMB Share Export Path	gen_text_input
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity

# EMC Unity - Modify SMB Share

## Summary

Modify an SMB/CIFS Share object on an EMC Unity array.

## Description

This task modifies an SMB/CIFS Share on an EMC Unity storage array. This task modifies two types of shares:

- An SMB Share created on a file system
- An SMB Share created on a snapshot

Input Format:

- EMC Unity SMB Share:  
`podName@arrayName@spName@nasName@StoragePodName@StoragePodName@SystemD@nasName@nasD`  
 For example: Default Pod@EmcUnity@SPA  
 A@spa@TestNAS@nas\_4@pool\_7@Pool0@TestFS@fs\_14@TestSMB@SMBShare\_10
- Description: Valid Description
- Access-based Enumeration: Check box-Filter directory entries according to client access permission
- Branch Cache Enabled: Check box-Supports hash generation for branch cache retrieval of data
- Protocol Encryption: Check box-Encrypt data as it is transmitted between the array and the host
- Continuous Availability: Check box-Gives continuous access to the share following an NAS Server failover
- Offline Availability: Check box-Manage the offline caching of the files by the client.
- UMASK: Valid UMASK. For example: 022. Specifies the default UNIX UMASK for new files created on the share.

## Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity SMB Share	Choose an EMC Unity SMB share to be modified	EMCUnitySMBShare Identity	Y
Description	Enter a description for the SMB share	gen_text_input	
Access-based Enumeration	Check to filter directory entries by client access permission	Boolean	
Branch Cache Enabled	Check to branch the data retrieval cache	Boolean	
Protocol Encryption	Check to encrypt data transmitted between the array and the host	Boolean	
Continuous Availability	Check to maintain continuous access to the share following a NAS server failover	Boolean	
Offline Availability	Choose an offline availability type to manage offline file caching by the client	EMCUnitySMBShare OfflineAvailability Type	
UMASK	Enter the default UNIX UMASK for new files created on the share	gen_text_input	

**Outputs**

<b>Output</b>	<b>Description</b>	<b>Type</b>
OUTPUT_EMC_UNITY_CIFS_SHARE_IDENTITY	EMC Unity SMB Share Identity	EMCUnitySMBShare Identity
OUTPUT_EMC_UNITY_CIFS_SERVER_IDENTITY	EMC Unity SMB Server Identity	EMCUnitySMBServer Identity
OUTPUT_EMC_UNITY_SNAPSHOT_IDENTITY	EMC Unity Snapshot Identity	EMCUnitySnapShot Identity
OUTPUT_EMC_UNITY_FILE_SYSTEM_IDENTITY	EMC Unity File System Identity.	EMCUnityFileSystem Identity
OUTPUT_EMC_UNITY_CIFS_SHARE_NAME	EMC Unity SMB Share Name	gen_text_input
OUTPUT_EMC_UNITY_CIFS_SHARE_EXPORT_PATH	EMC Unity SMB Share Export Path	gen_text_input
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity