EMC Unity - Tree Quota Operations

This chapter contains the following sections:

EMC Unity - Create Tree Quota

Summary

Create a new tree quota on a file system on an EMC Unity array.

Description

This task creates a tree quota on an EMC Unity storage array. Create EMC Unity Tree Quota is also the rollback task for Delete EMC Unity Tree Quota. Input Format:

- EMC Unity Account Name: podName@AccountName. For example: Vblock@Unity_Hybrid
- EMC Unity File System: podName@accountName@spName@id@nasServerName@nasServerID@storagePoolId@storagePoolName@fileSystemName@fileSystemID. For example: Default Pod@EmcUnity@SP A@spa@TestNAS@nas_4@pool_7@Pool0@TestFS@fs_14
- User ID: Valid User ID. For example: 1
- Soft Limit: Valid Soft Limit-If the quota tree's space usage exceeds the soft limit, the storage system starts to count down based on the specified grace period.The default value 0 means no limitation.
- Capacity Units: The unit for the Size of the User Quota. For example: 2GB,MB or TB
- Hard Limit: If the quota tree's space usage exceeds the hard limit, users cannot write to the quota tree.The default value 0 means no limitation.
- Capacity Units: The unit for the Size of the User Quota. For example: 2GB,MB or TB
- Path: Valid path-The path is relative to the root of the file system and must start with a forward slash. For example:/sample_path1/sample_path2.
- Description: Valid Description

Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity Account Name	Choose an EMC Unity account	EMCUnityAccount Identity	Y
EMC Unity File System	Choose an EMC Unity file system	EMCUnityFileSystem Identity	Y
Path	Enter the path relative to the root of the file system, starting with a forward slash. For example: /sample_path1/sample_path2.	gen_text_input	Y
Description	Enter a description of the tree quota	gen_text_input	
Soft Limit	Enter the soft limit. The default value is 0, which indicates no limit. If the quota tree's space usage exceeds the soft limit, the storage system starts to count down based on the grace period. Decimals are not supported and are set to 0.	gen_text_input	
Capacity Units	Enter Capacity Units	EMCUnitySizeUnit	Y
Hard limit	Enter the hard limit. The default value is 0, which indicates no limit. If the quota tree's space usage exceeds the hard limit, users cannot	gen_text_input	

Input	Description	Mappable To Type	Mandatory
	write to the quota tree. Decimal values are not supported and are set to 0.		
Capacity Units	Enter Capacity Units	EMCUnitySizeUnit	Y

Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_TREE_ QUOTA_IDENTITY	EMC Unity Tree Quota Identity	EMCUnityTreeQuotaIdentity
OUTPUT_EMC_UNITY_FILE_ SYSTEM_IDENTITY	EMC Unity File System Identity.	EMCUnityFileSystem Identity
OUTPUT_EMC_UNITY_ACCOUNT_ IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity

EMC Unity - Delete Tree Quota

Summary

Delete a tree quota on a file system on an EMC Unity array.

Description

This task deletes a tree quota on an EMC Unity storage array. Delete EMC Unity Tree Quota is also the rollback task for Create EMC Unity Tree Quota. Input Format:

- EMC Unity Tree Quota:
  podName@accountName@spName@id@nasServerName@nasServerID@storagePoolName@storagePoolId@fileSystemName@fileSystemID@path@quotaTreeID.
  For example: Default Pod@EmcUnity@SP A@spa@TestNAS@nas_4@pool_7@Pool0@TestFS@fs_14@/qtree@treequota_171798691867_1

Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity Tree Quota	Choose an EMC Unity tree quota to be deleted	EMCUnityTreeQuotaIdentity	Y

Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_TREE_ QUOTA_IDENTITY	EMC Unity Tree Quota Identity	EMCUnityTreeQuotaIdentity
OUTPUT_EMC_UNITY_FILE_ SYSTEM_IDENTITY	EMC Unity File System Identity.	EMCUnityFileSystem Identity
OUTPUT_EMC_UNITY_ACCOUNT_ IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity

EMC Unity - Modify Tree Quota

Summary

Modify an existing tree quota.

Description

This task modifies the soft limit and hard limit of a tree quota. Input Format:

- EMC Unity Tree Quota:
  podName@accountName@spName@id@nasServerName@nasServerID@storagePoolName@storagePoolId@fileSystemName@fileSystemID@path@qutreeID.
  For example: Default Pod@EmcUnity@SP
  A@spa@TestNAS@nas_4@pool_7@Pool0@TestFS@fs_14@/qtree@treequota_171798691867_1
- User ID: Valid User ID. For example: 1
- Soft Limit: Valid Soft Limit-If the quota tree's space usage exceeds the soft limit, the storage system starts to count down based on the specified grace period.The default value 0 means no limitation.
- Capacity Units: The unit for the Size of the User Quota. For example: 2GB,MB or TB
- Hard Limit: If the quota tree's space usage exceeds the hard limit, users cannot write to the quota tree.The default value 0 means no limitation.
- Capacity Units: The unit for the Size of the User Quota. For example: 2GB,MB or TB
- Description: Valid Description

Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity Tree Quota	Choose an EMC Unity tree quota to be modified	EMCUnityTreeQuota Identity	Y
Description	Enter a description for the tree quota	gen_text_input	
Soft Limit	Enter the soft limit. The default value is 0, which indicates no limit. If the quota tree's space usage exceeds the soft limit, the storage system starts to count down based on the grace period. Decimals are not supported and are set to 0.	gen_text_input	
Capacity Units	Choose a capacity unit	EMCUnitySizeUnit	Y
Hard limit	Enter the hard limit. The default value is 0, which indicates no limit. If the quota tree's space usage exceeds the hard limit, users cannot write to the quota tree. Decimal values are not supported and are set to 0.	gen_text_input	
Capacity Units	Choose a capacity unit	EMCUnitySizeUnit	Y

Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_TREE_QUOTA_IDENTITY	EMC Unity Tree Quota Identity	EMCUnityTreeQuotaIdentity
OUTPUT_EMC_UNITY_FILE_SYSTEM_IDENTITY	EMC Unity File System Identity.	EMCUnityFileSystem Identity

Output	Description	Type
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity