



EMC Unity - Storage Pool Operations

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EMC Unity - Create Storage Pool

Summary

Create a storage pool on an EMC Unity array.

Description

This task creates a storage pool on an EMC Unity storage array. You can specify only one disk group while creating the storage pool. If you want to add disks from another disk group, use the Expand Storage Pool task. Once the disks are added, they cannot be removed from the pool. The selected disk group should have enough spare disks to successfully create a storage pool. RAID stripe width is optional. If no value selected, Best Fit is the default value. Disk Counts 2, 3, 6, 8, 10, and 12 are supported for RAID 1/0 type. Disk Counts 5, 9, and 13 are supported for RAID 5. Disk Counts 6, 8, 10, 12, 14, and 16 are supported for RAID 6. The Alert Threshold value must be between 50 and 84. Input Format:

- EMC Unity Account Name: podName@AccountName. For example: Vblock@Unity_Hybrid
- Name: Valid Storage Pool Name - The following special characters are not allowed: " % & ' * + . / \ : ; < = > ? ^ @ | ,
- Description: A valid Description
- EMC Unity Disk Group: podName@accountName@tierType@tierId@diskGroupName@diskGroupId. For example: Vblock@Unity_Hybrid@Extreme Performance@10@800 GB SAS Flash 2@dg_4
- EMC Unity RAID Type: RAID 5, RAID 1/0, or RAID 6
- RAID Stripe Width Type: Choices for RAID group stripe widths, including parity or mirror disks
- Number of Disks: The number of disks to be added to the new Storage pool
- Alert Threshold: Between 50 and 84

Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity Account Name	EMC Unity Account Name	EMCUnityAccount Identity	Y
Name	Enter a name for the storage pool. The following 19 special characters are not allowed: " , % , & , ' , * , + , . , / , \ , : , ; , < , = , > , ? , ^ , @ , and , "	gen_text_input	
Description	Enter a description of the storage pool	gen_text_input	
EMC Unity Disk Group	Choose a disk group to be used for the storage pool	EMCUnityDiskGroup Identity	Y
RAID Type	Choose a RAID type	EMCUnityRaidType	Y
RAID Stripe Width	Choose a RAID stripe width type	EMCUnityRaidStripe Width	
Number of Disks	Enter the number of disks to be added in storage pool	gen_text_input	Y
Alert Threshold	Enter the threshold value at which the system sends an email notification of available pool capacity. The alert threshold value must be between 50 and 84. For example, if you	gen_text_input	

Input	Description	Mappable To Type	Mandatory
	specify 84, the system sends an alert when the allocated storage is 84% full.		

Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity
OUTPUT_EMC_UNITY_DISK_GROUP_IDENTITY	EMC Unity Disk Group Identity.	EMCUnityDiskGroupIdentity
OUTPUT_EMC_UNITY_STORAGE_POOL_NAME	EMC Unity Storage Pool Name	gen_text_input
OUTPUT_EMC_UNITY_RAID	EMC Unity RAID Type	EMCUnityRaidType
OUTPUT_EMC_UNITY_RAID_STRIPE_WIDTH	EMC Unity RAID Stripe Width	EMCUnityRaidStripeWidth
OUTPUT_EMC_UNITY_STORAGE_POOL_IDENTITY	EMC Unity Storage Pool Identity	EMCUnityStoragePoolIdentity

EMC Unity - Delete Storage Pool

Summary

Delete a storage pool from an EMC Unity array.

Description

This task deletes a storage pool from an EMC Unity storage array. This task will fail if the selected Storage Pool is associated to any Storage resources like LUN, NAS Server or File System Input Format:

- EMC Unity Storage Pool: PodName@accountName@storagePoolName@storagePoolId. For example: Vblock@Unity_Hybrid@Pool1@pool_7

Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity Storage Pool	Choose an EMC Unity storage pool to be deleted	EMCUnityStoragePool Identity	Y

Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity
OUTPUT_EMC_UNITY_STORAGE_POOL_IDENTITY	EMC Unity Storage Pool Identity	EMCUnityStoragePool Identity

EMC Unity - Expand Storage Pool

Summary

Expand a storage pool on an EMC Unity array.

Description

This task expands a storage pool on an EMC Unity storage array by adding more disks. Storage Pool, Disk Group, RAID Type and number of disks are mandatory inputs. The selected disk group should have enough spare disks to successfully expand storage pool. If the disk group is already part of storage pool, use the same RAID type to expand the storage pool. RAID stripe width is optional. If no value selected, Best Fit is default value. Disk Count 2,3,6,8,10,12 are supported for RAID 1/0 types. Disk Count 5,9,13 are supported for RAID 5. Disk Count 6,8,10,12,14,16 are supported for RAID 6. Input Format:

- EMC Unity Storage Pool: PodName@accountName@storagePoolName@storagePoolId. For example: Vblock@Unity_Hybrid@Pool1@pool_7
- EMC Unity Disk Group: podName@accountName@tierType@tierId@diskGroupName@diskGroupId. For example: Vblock@Unity_Hybrid@Extreme Performance@10@800 GB SAS Flash 2@dg_4
- EMC Unity RAID Type: RAID 5, RAID 1/0, or RAID 6
- RAID Stripe Width Type: Choices for RAID group stripe widths, including parity or mirror disks
- Number of Disks: Number of disks to be added to the new storage pool

Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity Storage Pool	Choose an EMC Unity storage pool to be expanded	EMCUnityStoragePool Identity	Y
EMC Unity Disk Group	Choose a disk group to be used for storage pool	EMCUnityDiskGroup Identity	Y
EMC Unity RAID Type	Choose a RAID type	EMCUnityRaidType	Y
RAID Stripe Width	Choose a RAID stripe width	EMCUnityRaidStripeWidth	
Number of Disks	Enter the number of disks to be added to the storage pool	gen_text_input	Y

Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity
OUTPUT_EMC_UNITY_DISK_GROUP_IDENTITY	EMC Unity Disk Group Identity.	EMCUnityDiskGroup Identity
OUTPUT_EMC_UNITY_STORAGE_POOL_NAME	EMC Unity Storage Pool Name	gen_text_input
OUTPUT_EMC_UNITY_RAID	EMC Unity RAID Type	EMCUnityRaidType
OUTPUT_EMC_UNITY_RAID_STRIPE_WIDTH	EMC Unity RAID Stripe Width	EMCUnityRaidStripeWidth

Output	Description	Type
OUTPUT_EMC_UNITY_STORAGE_POOL_IDENTITY	EMC Unity Storage Pool Identity	EMCUnityStoragePool Identity

EMC Unity - Modify Storage Pool

Summary

Modify a storage pool on an EMC Unity array.

Description

This task modifies a storage pool in an EMC Unity storage array. Storage Pool Name and Alert Threshold values can be modified through this task. At least one of the parameters must be modified to successfully execute this task. Alert Threshold value must be between 50 and 84 Input Format:

- EMC Unity Storage Pool: PodName@accountName@storagePoolName@storagePoolId. For example: Vblock@Unity_Hybrid@Pool1@pool_7
- Name: Valid Storage Pool Name - The following special characters are not allowed: " % & ' * + . / \ ; < = > ? ^ @ | ,
- Description: A valid Description
- Alert Threshold: between 50 and 84

Inputs

Input	Description	Mappable To Type	Mandatory
EMC Unity Storage Pool	Choose an EMC Unity storage pool to be modified	EMCUnityStoragePoolIdentity	Y
Name	Enter the name for storage pool. The following 19 special characters are not allowed: " , % , & , ' , * , + , . , / , \ , ; , < , = , > , ? , ^ , @ , and , "	gen_text_input	
Description	Enter a description for storage pool	gen_text_input	
Alert Threshold	Enter the threshold value at which the system sends an email notification of available pool capacity. The alert threshold value must be between 50 and 84. For example, if you specify 84, the system sends an alert when the allocated storage is 84% full.	gen_text_input	

Outputs

Output	Description	Type
OUTPUT_EMC_UNITY_ACCOUNT_IDENTITY	EMC Unity Account Identity.	EMCUnityAccountIdentity
OUTPUT_EMC_UNITY_STORAGE_POOL_IDENTITY	EMC Unity Storage Pool Identity	EMCUnityStoragePoolIdentity

