



VDI

Private Disks in Floating Pool VM Configuration Guide

Version 5.4.2



Change Log

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CONTENT

Chapter 1 Application Scenario	1
1.1 Applicable Scenarios	1
1.2 Benefits.....	1
Chapter 2 Configuration Setup Steps	2
2.1 Create a pool mode virtual machine that automatically creates private disks in VDC.....	2
2.2 VDC configuration automatically associated with private disk.....	2
2.3 VDC configuration maintains the number of idle virtual machines.....	3
2.4 VDC manually create private disk.....	3
2.5 VDC management private disk	4
2.6 VMP expands private disk capacity	5
2.7 VMP batch delete private disks	7
2.8 VMP restores private disk in the recycle bin	7
2.9 Completely delete private disks from the VMP Recycle Bin.....	8
2.10 VMP to backup private disk	9
2.11 VMP to restore private disk	10
2.12 VMP configures an automatic backup strategy for private disks.....	11
2.13 VMP private disk automatic backup advanced configuration.....	14
Chapter 3 Precautions	15

Chapter 1 Application Scenario

1.1 Applicable Scenarios

- **Daily usage scenarios of call center**

Call service centers generally work in 2-3 shifts. Different users log in at different times. It is hoped that different users can use the same virtual machine. The virtual machine system disk is automatically restored and personal data is kept in the private disk.

Pool mode virtual machines with private disks can meet the needs of this scenario.

- **Call center personnel change scenario**

Telephone service centers often have a relatively high rate of staff turnover, and people leave and join the company every day.

When the pool mode virtual machine is automatically created and automatically associated, when a new user accesses, a private disk will be automatically created and associated with the user, reducing customer operation and maintenance costs.

1.2 Benefits

- Pool mode virtual machines can bring private disks to save private disk data, and support UPM for private disk data, allowing pool mode virtual machines to save and redirect personal data;
- The newly-added automatic creation and automatic association of private disks can automatically create and associate private disks to users when private disks are insufficient, reducing the operation and maintenance of the client;
- The private disk supports backup restoration and backup strategies to reduce data loss through backup.
- Enable and maintain sustainable virtual machines, which can maintain the number of virtual machines booted in pool mode to ensure fast client access
- Pool mode private disk management and virtual machine management are consistent, and operation learning costs are low

Chapter 2 Configuration Setup Steps

2.1 Create a pool mode virtual machine that automatically creates private disks in VDC

Virtual Machine | Domain and SSO | Startup/Shutdown Schedule

Note that new virtual machines will be created according to the new settings in this tab and will not support any change except for the connected virtual switch.

Basics

VM Name: ⓘ

VM Template:

Desktop Type: ☐ Dedicated ⓘ ☒ Restored ⓘ

Floating Pool: ☒ Enable floating pool(non-persistent) ⓘ

☐ Support domain user roaming profiles ⓘ

☐ Idle VMs: ⓘ

Private Disk

☒ Auto create private disks ⓘ (created: 0, associated: 0)

Datastore:

Disk Size: GB (1-2048)

☒ Auto assign private disk to users ⓘ

Private Disk

☒ Auto create private disks ⓘ (created: 0, associated: 0)

Datastore:

Disk Size:

☒ Auto assign private disk to users ⓘ

With this option enabled, the system will always keep certain number of idle private disks.

When creating a new resource, turn on the automatic creation of private disks, and when the resource is created, 10 private disks will be automatically created and ready to use.

<input type="checkbox"/>	Unused	JM_test_disk000001			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
<input type="checkbox"/>	Unused	JM_test_disk000002			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
<input type="checkbox"/>	Unused	JM_test_disk000003			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
<input type="checkbox"/>	Unused	JM_test_disk000004			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
<input type="checkbox"/>	Unused	JM_test_disk000005			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
<input type="checkbox"/>	Unused	JM_test_disk000006			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
<input type="checkbox"/>	Unused	JM_test_disk000007			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
<input type="checkbox"/>	Unused	JM_test_disk000008			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
<input type="checkbox"/>	Unused	JM_test_disk000009			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
<input type="checkbox"/>	Unused	JM_test_disk000010			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-

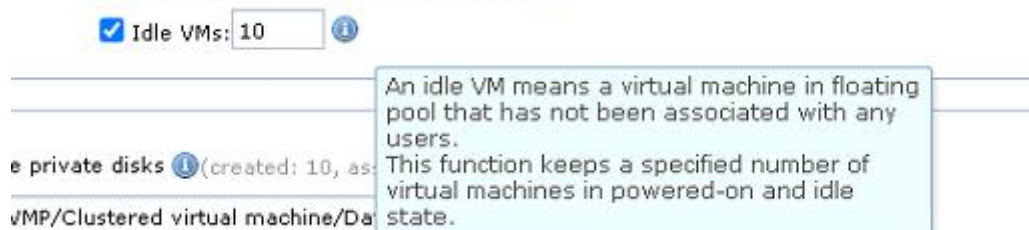
2.2 VDC configuration automatically associated with private disk

VDC resources are automatically associated with the private disk after you enable “auto assign private disk to users”. If the user logs in and there is a free private disk, the private disk will be automatically assigned to the user.



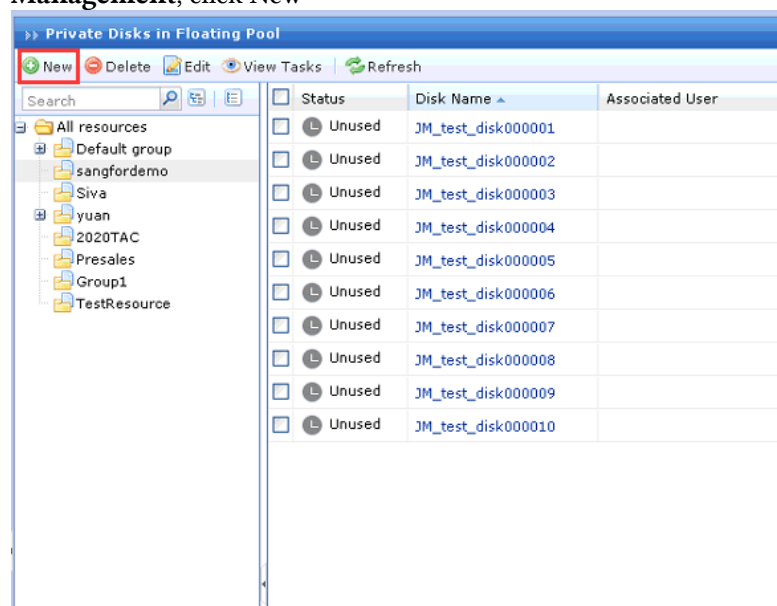
2.3 VDC configuration maintains the number of idle virtual machines

VDC maintains the number of idle virtual machines when “idle VMs” is enabled and configured, and VMP will start the corresponding number of pool mode virtual machines, which can increase the speed of users accessing virtual machines

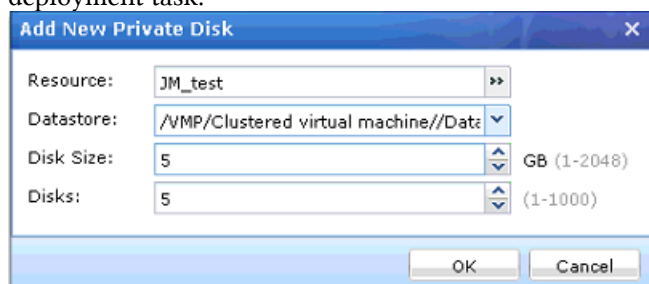


2.4 VDC manually create private disk

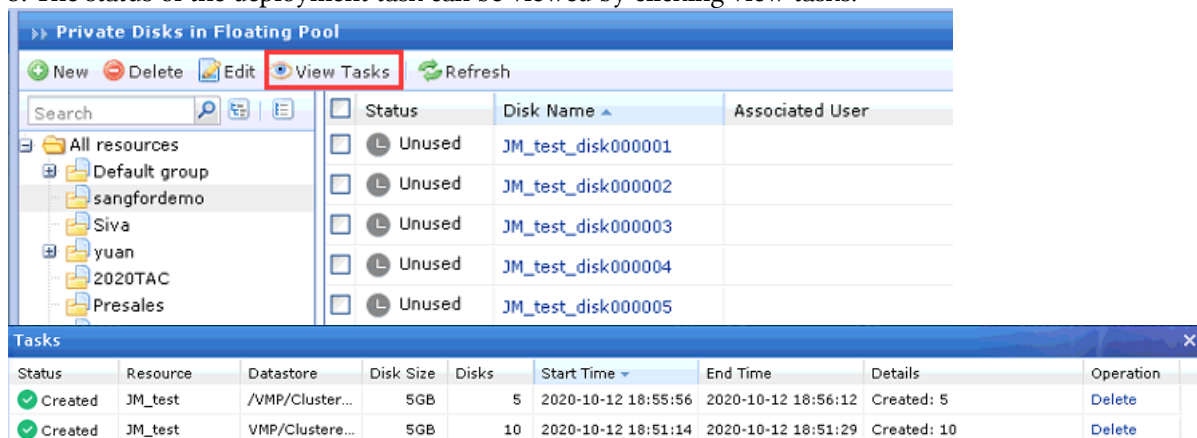
1. In VDC VDI Settings -> Virtualization Platform Management -> Pool Mode private disk Management, click New



2. Select the resource, storage location, size and quantity of the private disk. Then click ok to start deployment task.

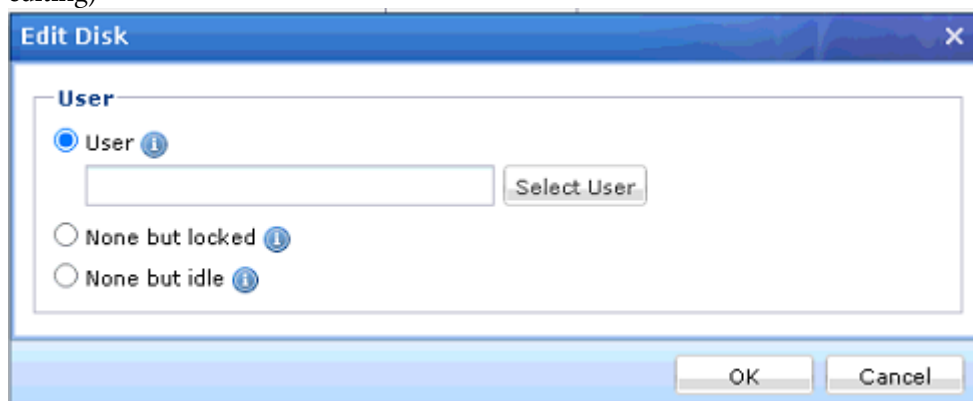


3. The status of the deployment task can be viewed by clicking view tasks.



2.5 VDC management private disk

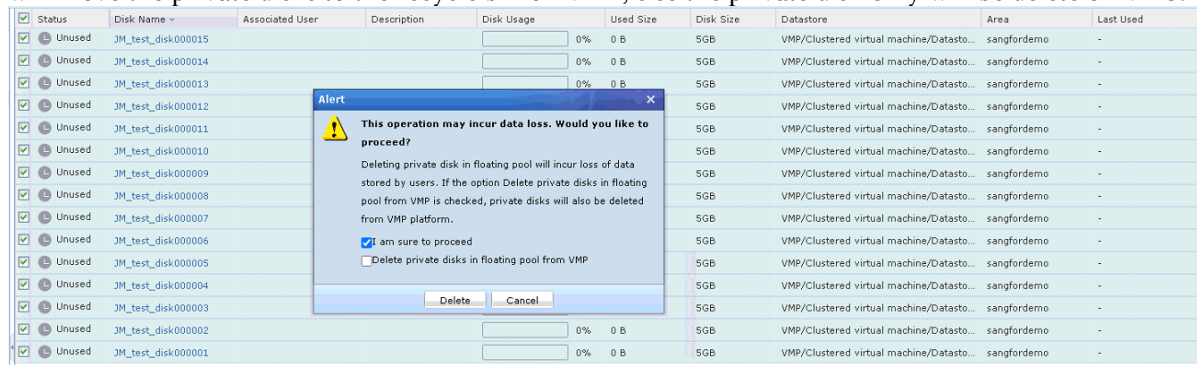
1. VDC can associate users with private disks, lock the disk, and idle private disks (not support batch editing)



2. VDC can be sorted the private disks according to the header of the private disk and support keyword search.

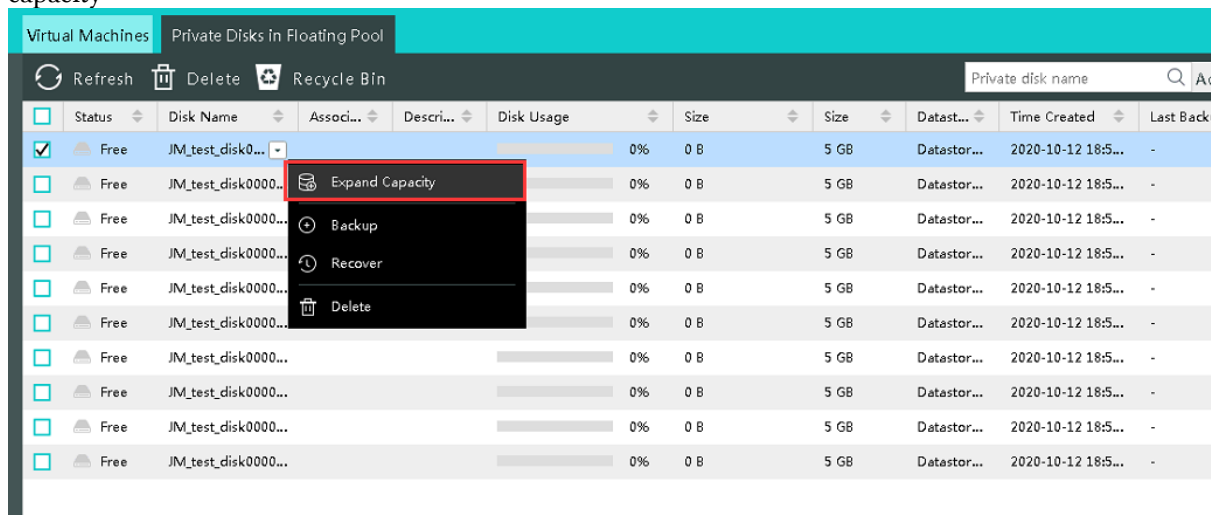
Status	Disk Name	Associated User	Description	Disk Usage	Used Size	Disk Size	Datastore	Area	Last Used
Unused	JM_test_disk000015			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000014			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000013			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000012			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000011			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000010			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000009			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000008			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000007			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000006			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000005			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000004			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000003			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000002			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-
Unused	JM_test_disk000001			0%	0 B	5GB	VMP/Clustered virtual machine/Datasto...	sangfordemo	-

3. VDC can delete private disks in batches, check the “delete private disks in floating pool from VMP” will move the private disks to the recycle bin on VMP, else the private disk only will be delete on VDC.

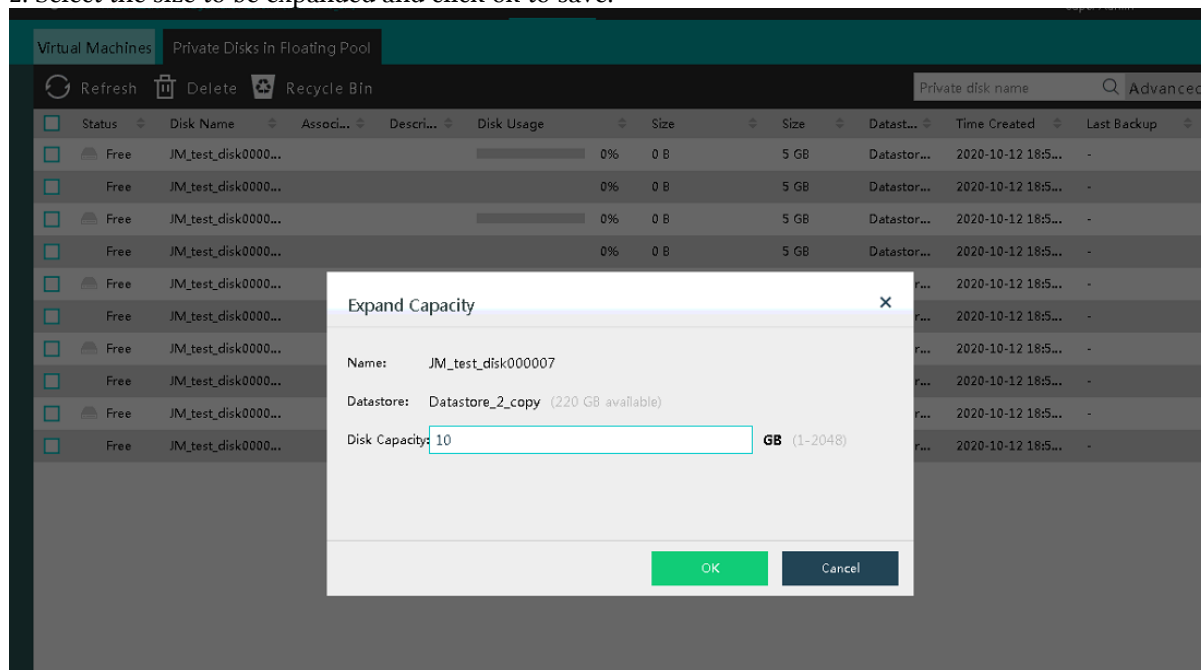


2.6 VMP expands private disk capacity

1. In VMP's virtual machine ->Private Disks in Floating Pool, select private disk and click expand capacity

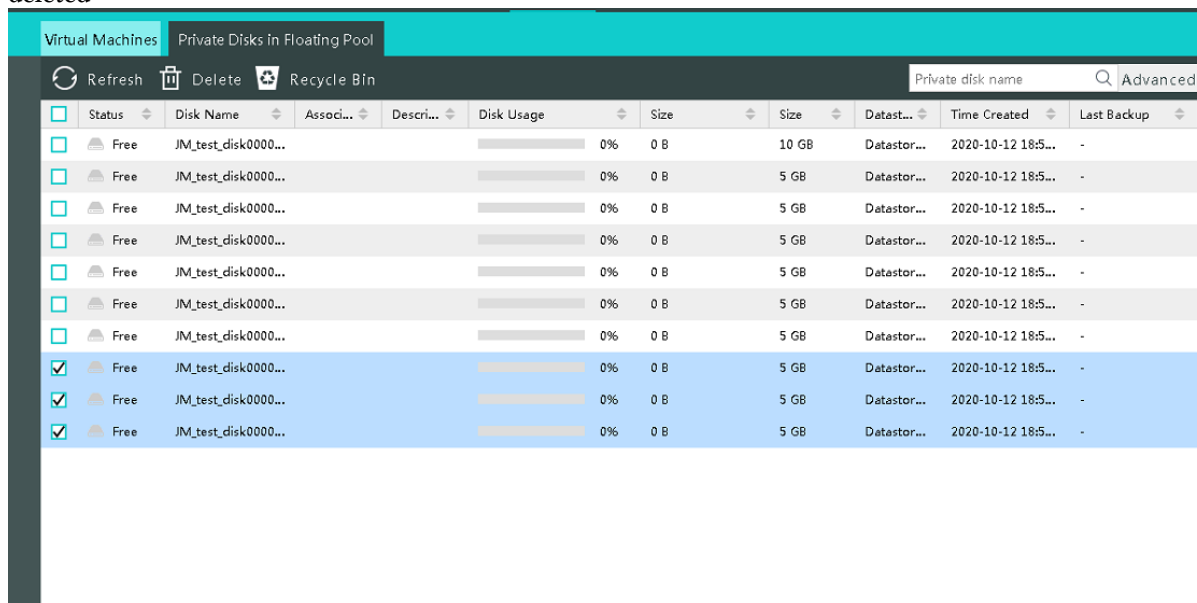


2. Select the size to be expanded and click ok to save.

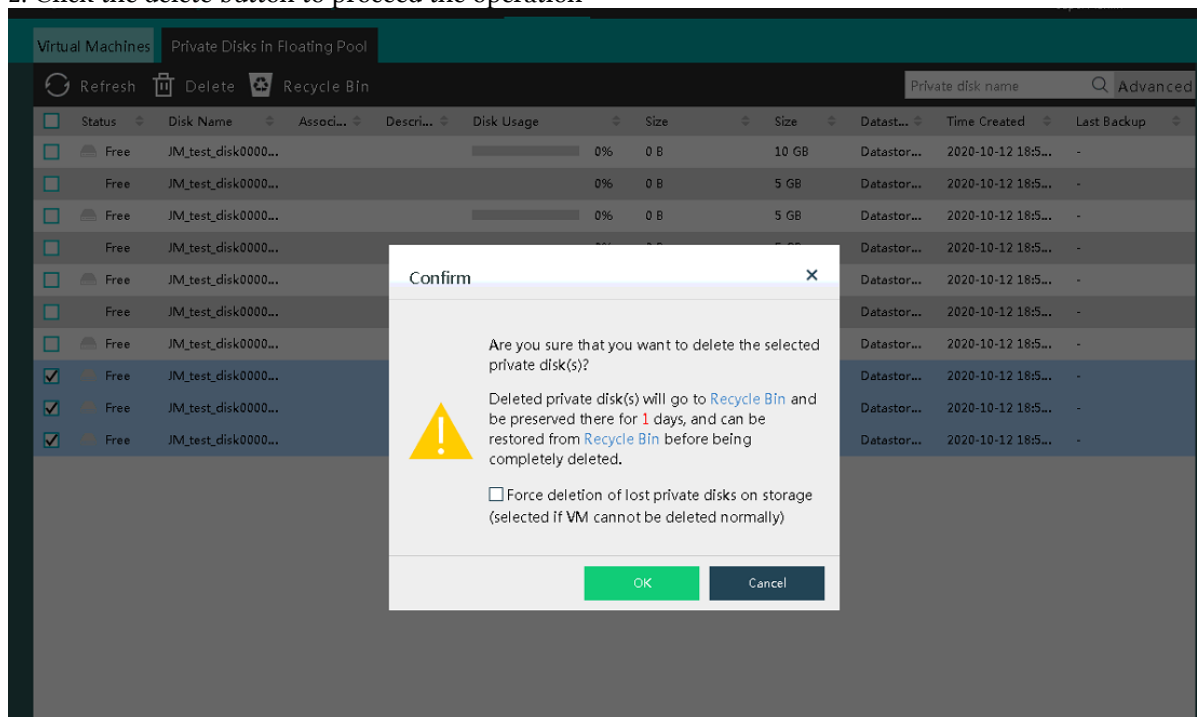


2.7 VMP batch delete private disks

1. In VMP virtual machine -> Private Disks in Floating Pool select the private disk that needs to be deleted

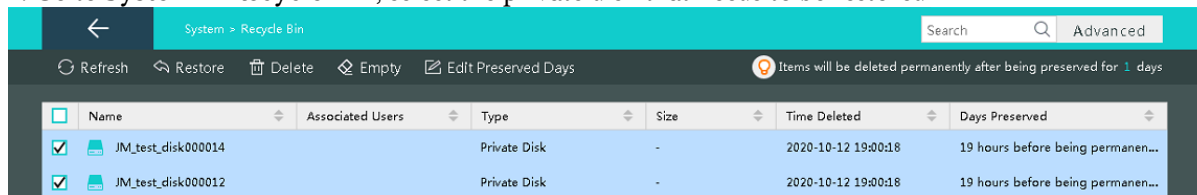


2. Click the delete button to proceed the operation

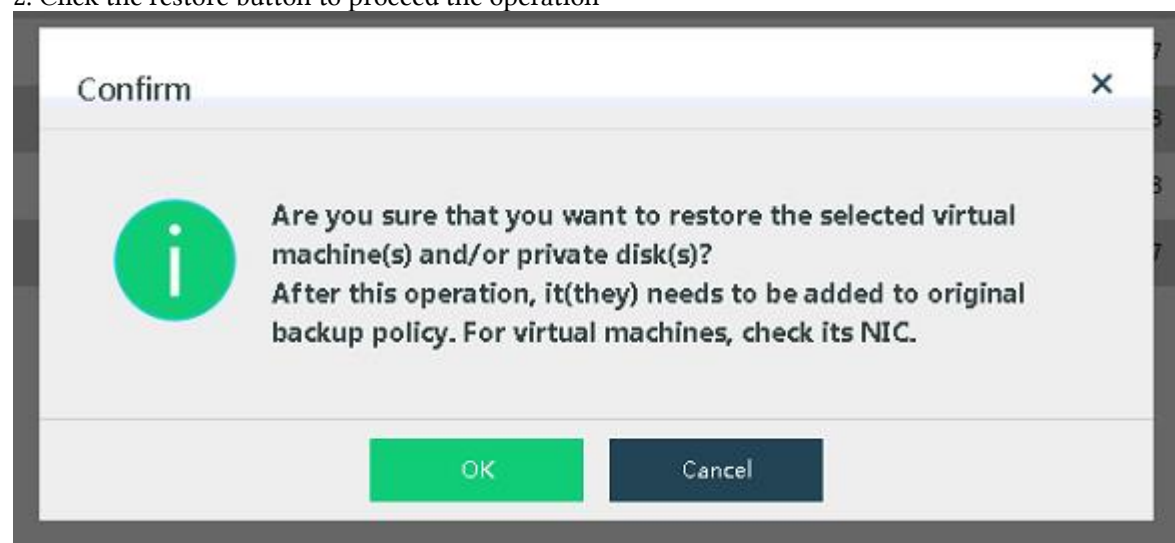


2.8 VMP restores private disk in the recycle bin

1. Go to **System-> Recycle Bin**, select the private disk that needs to be restored

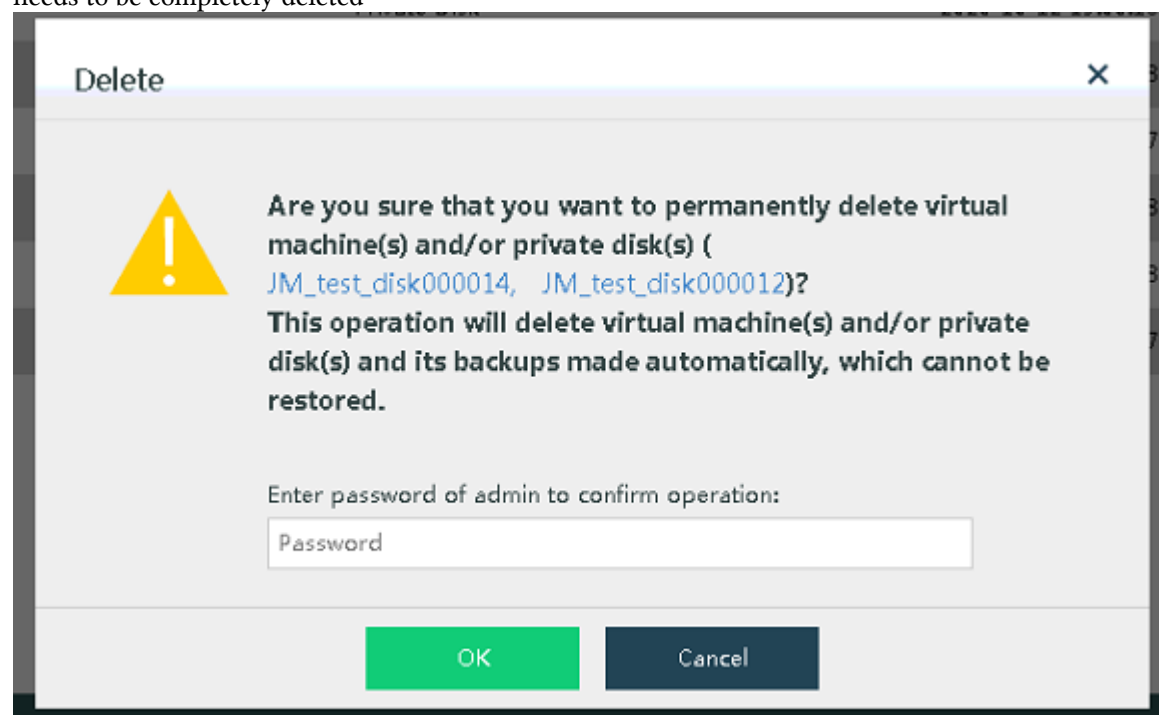


2. Click the restore button to proceed the operation



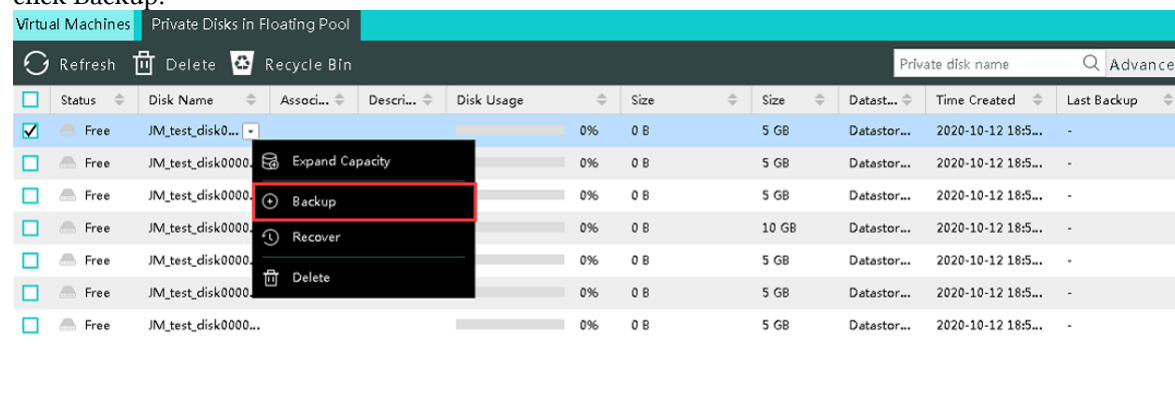
2.9 Completely delete private disks from the VMP Recycle Bin

1. In VMP virtual machine -> Private Disks in Floating Pool -> Recycle Bin, select the private disk that needs to be completely deleted

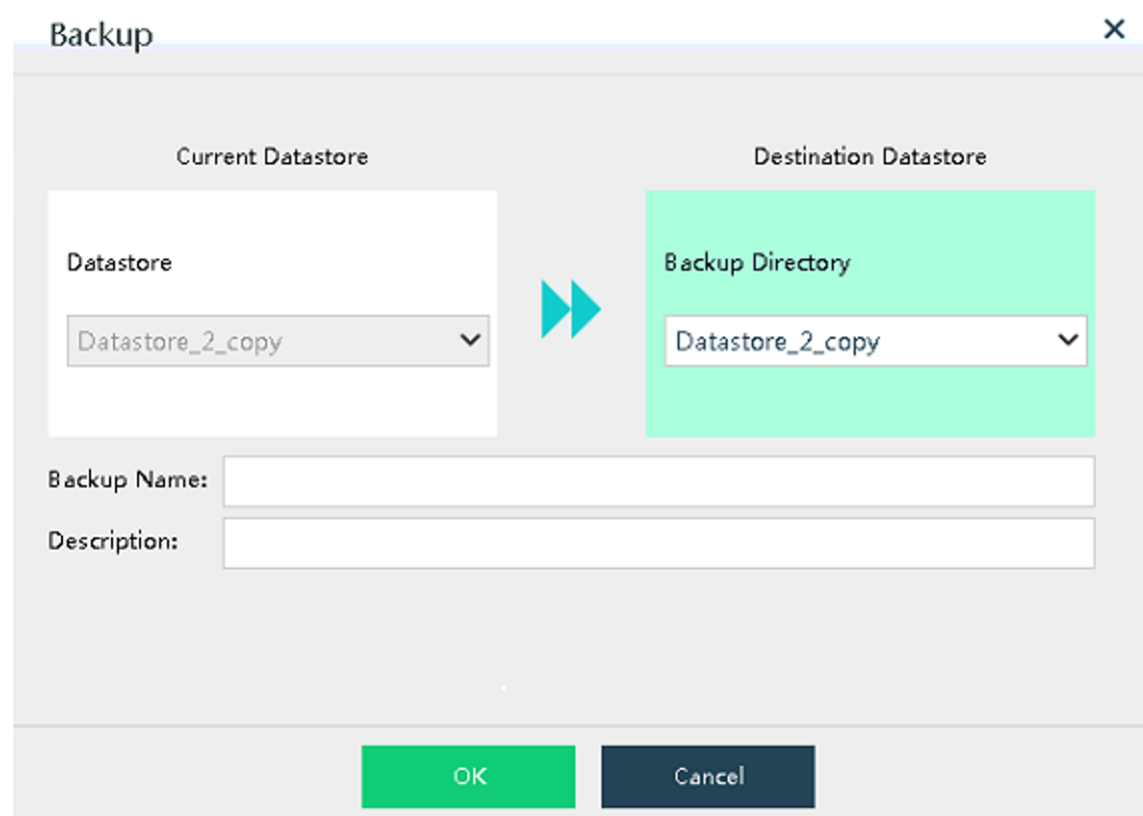


2.10 VMP to backup private disk

1. In VMP's virtual machine -> Private Disks in Floating Pool, select the private disk to be backed up, and click Backup.

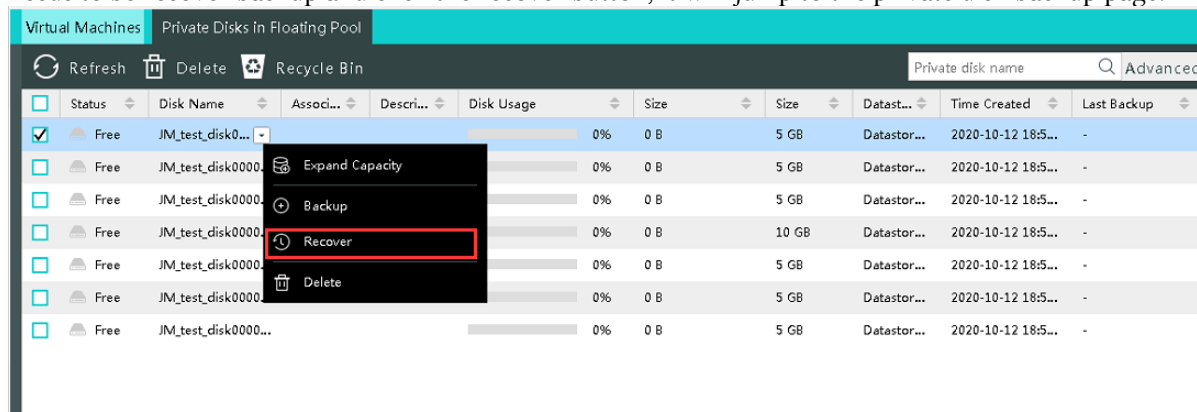


2. Select the **Backup Directory** and name of the backup, and click on **ok** to proceed to the backup operation.

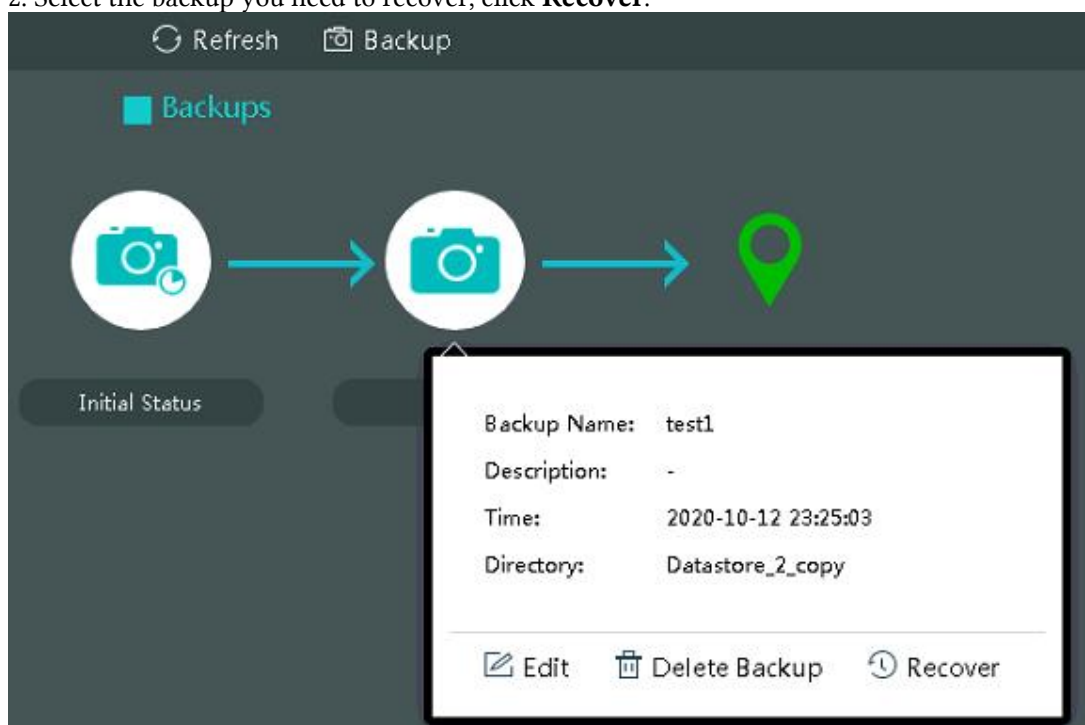


2.11 VMP to restore private disk

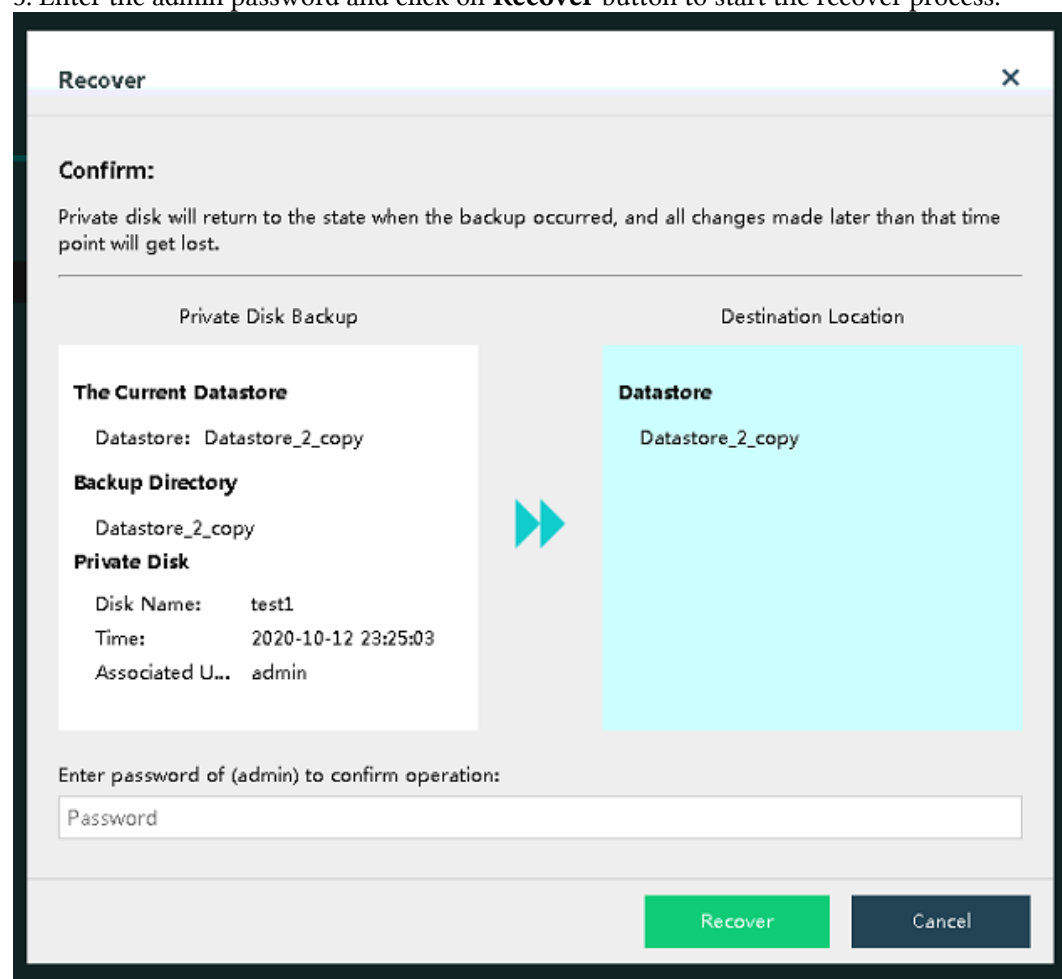
1. In VMP virtual machine -> Private Disks in Floating Pool-> Recycle Bin, select the private disk that needs to be recover backup and click the recover button, it will jump to the private disk backup page.



2. Select the backup you need to recover, click **Recover**.

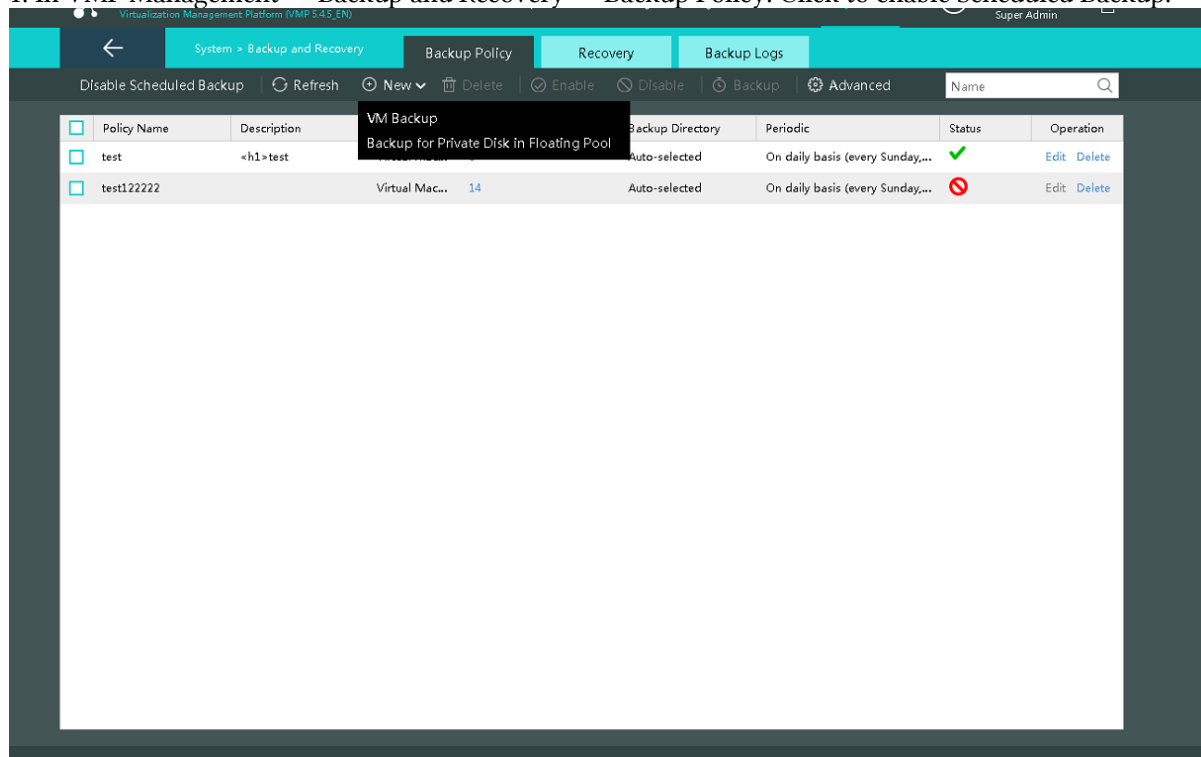


3. Enter the admin password and click on **Recover** button to start the recover process.

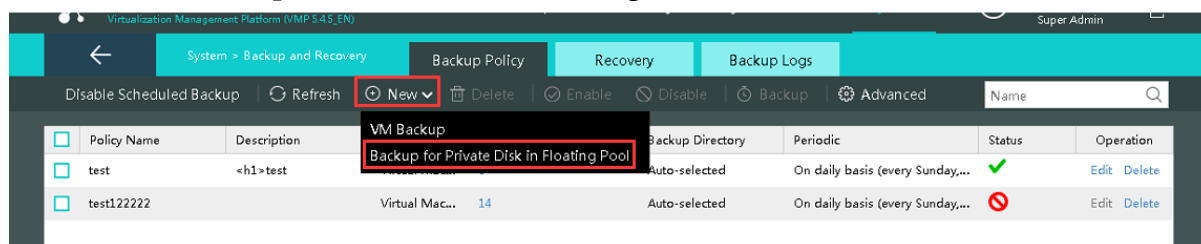


2.12 VMP configures an automatic backup strategy for private disks

1. In VMP Management -> Backup and Recovery -> Backup Policy. Click to enable Scheduled Backup.



2. Select **New > Backup for Private Disk in Floating Pool**.



3. Fill in the policy name, select the backup disk and backup method, and click OK.

Add New Private Disk Backup Policy

Policy Name:

Description:

Disk(s):

Select...

Directory:

☒ Auto

Backup directory is chosen based on datastore usage and often is not the current datastore, to ensure recovery when a particular node or storage device fails.

☐ Specified

To save backup to Windows shared folder, [Add New Windows Shared Folder](#)

☐ Original location (where private disk snapshots are stored)

Take snapshot only

Schedule:

☒ On daily basis (specified day and longest period of time)

Select...

Start Time:

00:00

Backup Period:

8

hours

Copies:

Up to 3

OK

Cancel

Select Disks

Private disk name

<input type="checkbox"/>	Disk	Backup Directory
<input type="checkbox"/>	JM_test_disk000002	
<input type="checkbox"/>	JM_test_disk000003	
<input type="checkbox"/>	JM_test_disk000005	
<input type="checkbox"/>	JM_test_disk000006	
<input type="checkbox"/>	JM_test_disk000007	
<input type="checkbox"/>	JM_test_disk000008	
<input type="checkbox"/>	JM_test_disk000010	

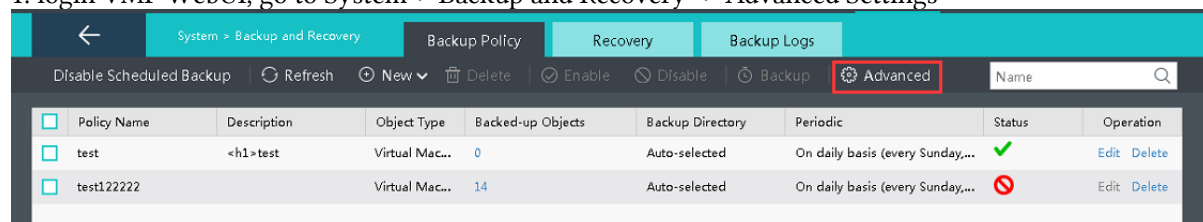
What if a private disk has been specified backup policy?

OK

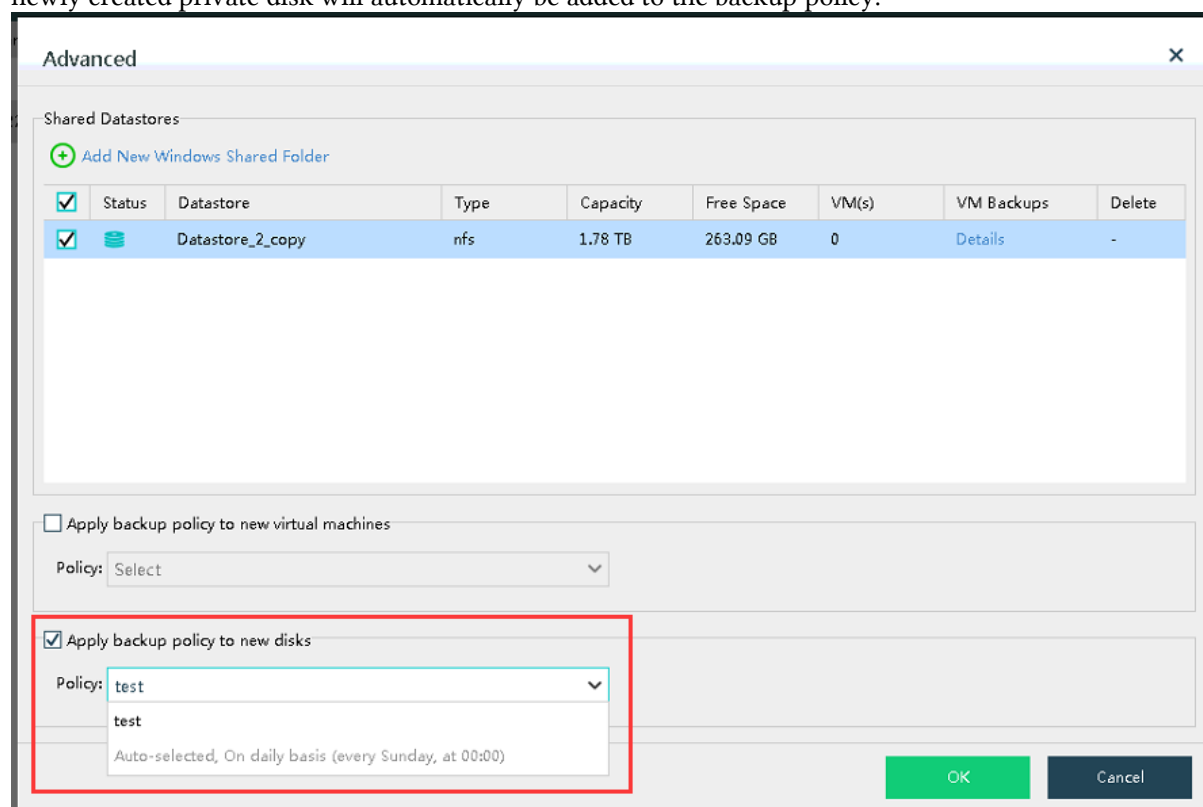
Cancel

2.13 VMP private disk automatic backup advanced configuration

1. login VMP WebUI, go to System-> Backup and Recovery -> Advanced Settings



2. Check "Apply backup policy to new disks", select a private disk backup policy and save it, and the newly created private disk will automatically be added to the backup policy.



Chapter 3 Precautions

- 3.1 A single VMP cluster limits the number of private disks to 3000
- 3.2 Compared with virtual machines, private disks do not support import and cross-cluster migration functions temporarily
- 3.3 private disk does not support batch editing
- 3.4 private disks cannot be created on local storage
- 3.5 Delete private disks from VMP, up to 100 deleted each time
- 3.6 When VMP performs multiple operations on private disks, tasks are mutually exclusive



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