

Disk Pribadi VDI dalam Panduan Konfigurasi Floating Pool VM

Versi 5.4.2



Catatan Perubahan

| Tanggal | Deskripsi Perubahan |
|-----------------|--|
| 13 Oktober 2020 | Panduan Konfigurasi Private Disk di Floating Pool VM |
| | |

DAFTAR ISI

| | |
|--|----|
| Bagian 1 Skenario Aplikasi | 1 |
| 1.1 Skenario yang Dapat Diterapkan | 1 |
| 1.2 Manfaat | 1 |
| Bagian 2 Langkah Pengaturan Konfigurasi | 2 |
| 2.1 Membuat pool mode virtual machine yang otomatis membuat private disk di VDC .. | 2 |
| 2.2 VDC konfigurasi otomatis terkait dengan private disk..... | 2 |
| 2.3 VDC konfigurasi mengelola jumlah virtual machine yang tidak aktif | 3 |
| 2.4 VDC membuat private disk secara manual | 3 |
| 2.5 VDC manajemen private disk | 4 |
| 2.6 VMP Menambah kapasitas private disk..... | 5 |
| 2.7 VMP menghapus private disk secara gabungan..... | 7 |
| 2.8 VMP mengembalikan private disk yang berada di recycle bin | 7 |
| 2.9 Sepenuhnya menghapus private disk dari VMP Recycle Bin..... | 8 |
| 2.10 VMP backup private disk..... | 10 |
| 2.11 VMP untuk memulihkan private disk..... | 11 |
| 2.12 VMP konfigurasi strategi otomatis backup untuk private disk..... | 12 |
| 2.13 VMP konfigurasi backup otomatis private disk lebih lanjut | 15 |
| Bagian 3 Himbauan | 16 |

Bagian 1 Skenario Aplikasi

1.1 Skenario yang Dapat Diterapkan

- **Skenario penggunaan harian untuk call center**

Layanan call center umumnya bekerja dalam 2-3 shift. Pengguna yang berbeda login dalam waktu yang berbeda. Diharapkan pengguna yang berbeda dapat menggunakan virtual machine yang sama. Virtual machine secara otomatis mengembalikan sistem disk dan data personal yang tersimpan dalam private disk.

Pool mode virtual machines dengan private disk dapat memenuhi kebutuhan skenario ini.

- **Call center personnel change scenario**

Pusat layanan telepon sering memiliki pergantian staff yang cukup tinggi, dan orang meninggalkan dan bergabung ke perusahaan setiap hari.

Ketika pool mode virtual machine otomatis dibuat dan otomatis terkait, ketika ada pengguna baru mengakses, private disk akan otomatis dibuat dan dikaitkan dengan pengguna, hal ini mengurangi biaya operasi dan maintenance pelanggan.

1.2 Manfaat

- Pool mode virtual machines dapat membuat private disk untuk menyimpan data private disk, dan mendukung UPM untuk data private disk, sehingga pool mode virtual machines dapat menyimpan dan mengalihkan data pribadi;
- Hal yang baru ditambahkan yaitu pembuatan otomatis dan mengaitkannya dengan private disk dapat otomatis membuat dan mengaitkannya dengan pengguna ketika private disk tidak tersedia, hal ini mengurangi biaya operasi dan maintenance pelanggan;
- Private disk mendukung pengembalian backup dan strategi backup untuk mengurangi kemungkinan data hilang saat backup
- Aktifkan dan kelola virtual machine yang berkelanjutan, dimana dapat mengelola virtual machine di pool mode untuk memastikan akses client yang cepat.
- Manajemen pool mode private disk dan manajemen virtual machine konsisten, dan biaya belajarnya rendah.

Bagian 2 Langkah Pengaturan Konfigurasi

2.1 Membuat pool mode virtual machine yang otomatis membuat private disk di 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: test-

VM Template: WinXP(VMP/Clustered virtual machine/Template)

Desktop Type: ☐ Dedicated ☒ Restored

Floating Pool: ☒ Enable floating pool(non-persistent) ☐ Support domain user roaming profiles

☐ Idle VMs: 10

Private Disk

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

Datastore: VMP/Clustered virtual machine/Datastore_2_copy/

Disk Size: 5 GB (1-2048)

☒ Auto assign private disk to users

Private Disk

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

Datastore: VMP/Clustered virtual machine/Datastore_2_copy/

Disk Size: 5

☒ Auto assign private disk to users

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

Ketika membuat sumber daya baru, hidupkan pembuatan private disk otomatis, dan lalu ketika sumber daya telah dibuat, 10 private disk akan secara otomatis dibuat dan sudah dapat digunakan.

| | | | | | | | | | | |
|--------------------------|--------|--------------------|--|--|----|-----|-----|---|-------------|---|
| <input type="checkbox"/> | Unused | JM_test_disk000001 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |
| <input type="checkbox"/> | Unused | JM_test_disk000002 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |
| <input type="checkbox"/> | Unused | JM_test_disk000003 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |
| <input type="checkbox"/> | Unused | JM_test_disk000004 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |
| <input type="checkbox"/> | Unused | JM_test_disk000005 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |
| <input type="checkbox"/> | Unused | JM_test_disk000006 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |
| <input type="checkbox"/> | Unused | JM_test_disk000007 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |
| <input type="checkbox"/> | Unused | JM_test_disk000008 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |
| <input type="checkbox"/> | Unused | JM_test_disk000009 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |
| <input type="checkbox"/> | Unused | JM_test_disk000010 | | | 0% | 0 B | 5GB | VMP/Clustered virtual machine/Datastore_2_copy/ | sangfordemo | - |

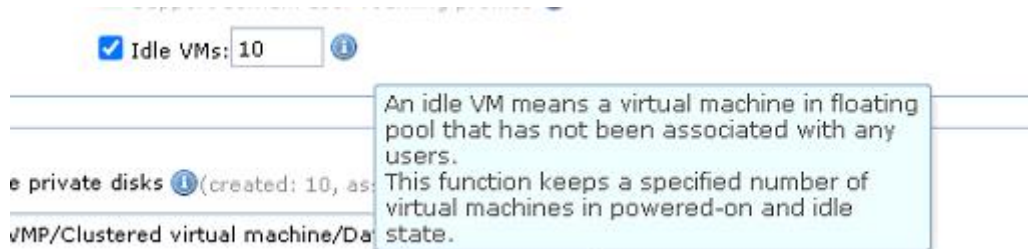
2.2 VDC konfigurasi otomatis terkait dengan private disk

Sumber VDC secara otomatis terkait dengan private disk setelah anda mengaktifkan "auto assign private disk to users". Jika pengguna login dan ada private disk kosong, maka private disk akan otomatis terkait ke pengguna.



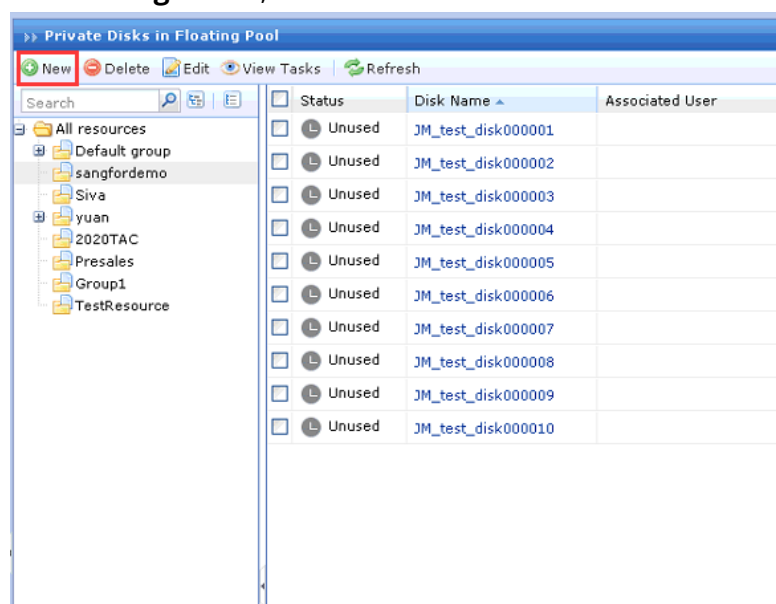
2.3 VDC konfigurasi mengelola jumlah virtual machine yang tidak aktif

VDC mengelola jumlah virtual machine yang tidak aktif ketika “idle VMs” diaktifkan dan dikonfigurasi, dan VMP akan secara otomatis terhubung dengan pool mode virtual machines, dimana dapat meningkatkan kecepatan pengguna saat mengakses virtual machine.

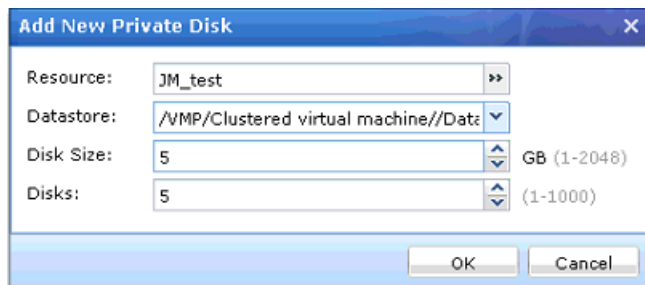


2.4 VDC membuat private disk secara manual

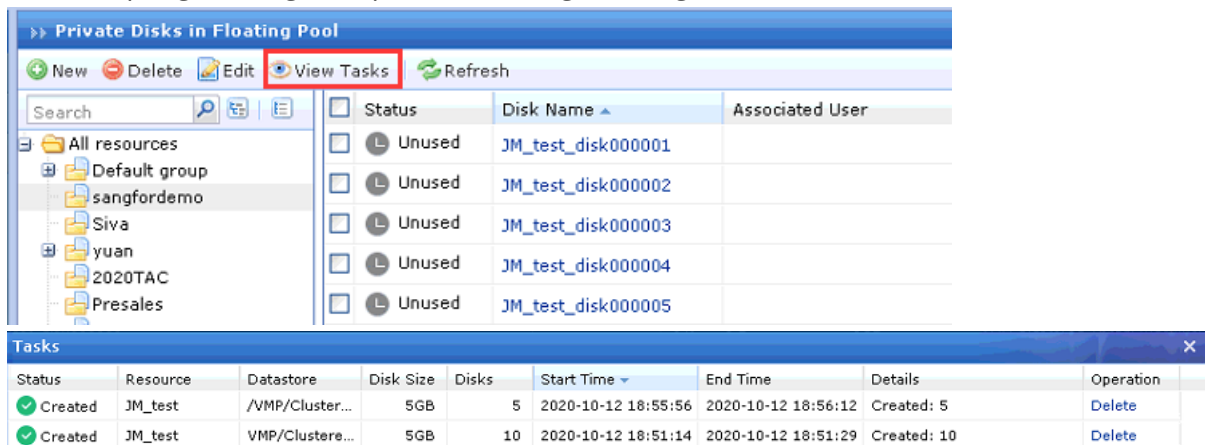
1. Pada VDC **VDI Settings** -> **Virtualization Platform Management** -> **Pool Mode private disk Management**, klik New



2. Pilih sumber daya, lokasi penyimpanan, ukuran dan kuantitas dari private disk. Lalu klik ok untuk menjalankannya.

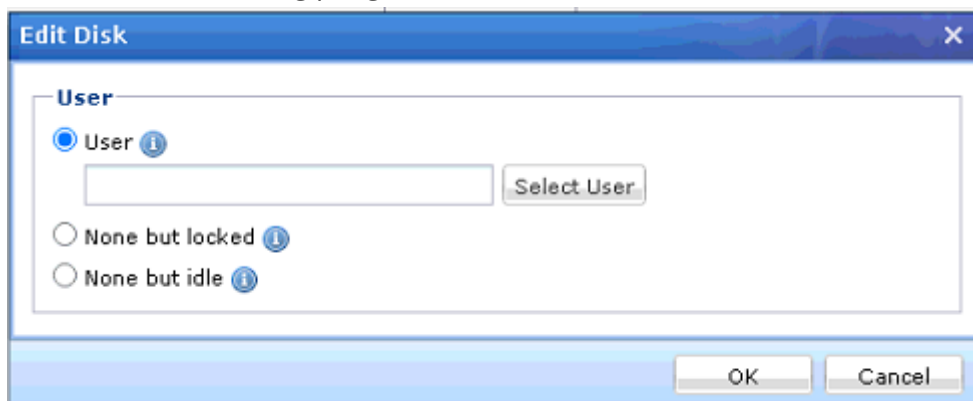


3. Status pengembangan dapat dilihat dengan mengklik view task.



2.5 VDC manajemen private disk

1. VDC dapat mengaitkan pengguna dengan private disk, mengunci disk, dan private disk tidak aktif (tidak mendukung pengeditan bersamaan)

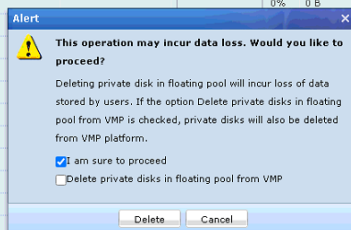


2. VDC dapat mengurutkan private disk berdasarkan header dari private disk dan mendukung pencarian kata.

| 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 dapat menghapus private disk di kelompok, centang “delete private disks in floating pool from VMP” akan memindahkan private disk ke recycle bin di VMP, selain itu private disk hanya dapat di hapus di VDC.

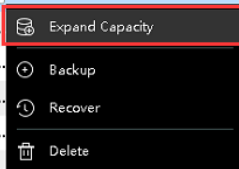
| Status | Disk Name | Associated User | Description | Disk Usage | Used Size | Disk Size | Datastore | Area | Last Used |
|--------|--------------------|-----------------|-------------|------------|-----------|-----------|--|-------------|-----------|
| Unused | JM_test_disk000015 | | | 0% | 0 B | 5GB | 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 | - |



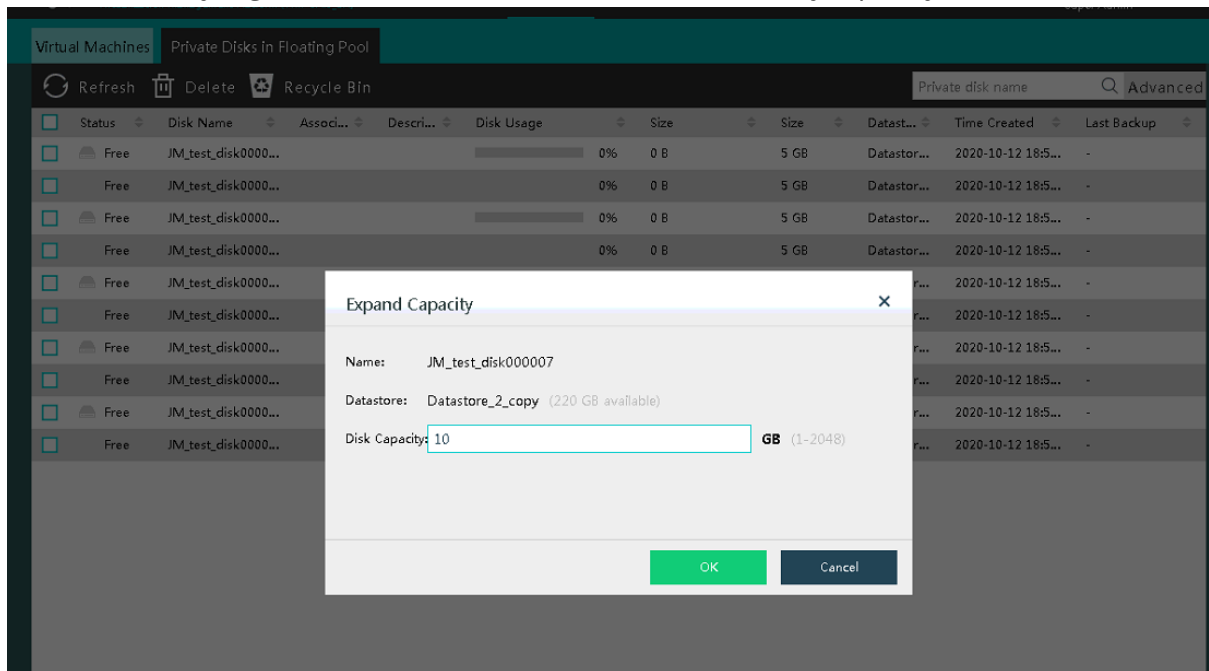
2.6 VMP Menambah kapasitas private disk

1. Pada virtual machine VMP->Private Disks in Floating Pool, pilih private disk dan klik tambah kapasitas.

| Status | Disk Name | Assoc... | Descri... | Disk Usage | Size | Size | Datastor... | Time Created | Last Backu |
|--------|---------------------|----------|-----------|------------|------|------|-------------|--------------------|------------|
| Free | JM_test_disk0... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |
| Free | JM_test_disk0000... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |
| Free | JM_test_disk0000... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |
| Free | JM_test_disk0000... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |
| Free | JM_test_disk0000... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |
| Free | JM_test_disk0000... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |
| Free | JM_test_disk0000... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |
| Free | JM_test_disk0000... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |
| Free | JM_test_disk0000... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |
| Free | JM_test_disk0000... | | | 0% | 0 B | 5 GB | Datastor... | 2020-10-12 18:5... | - |

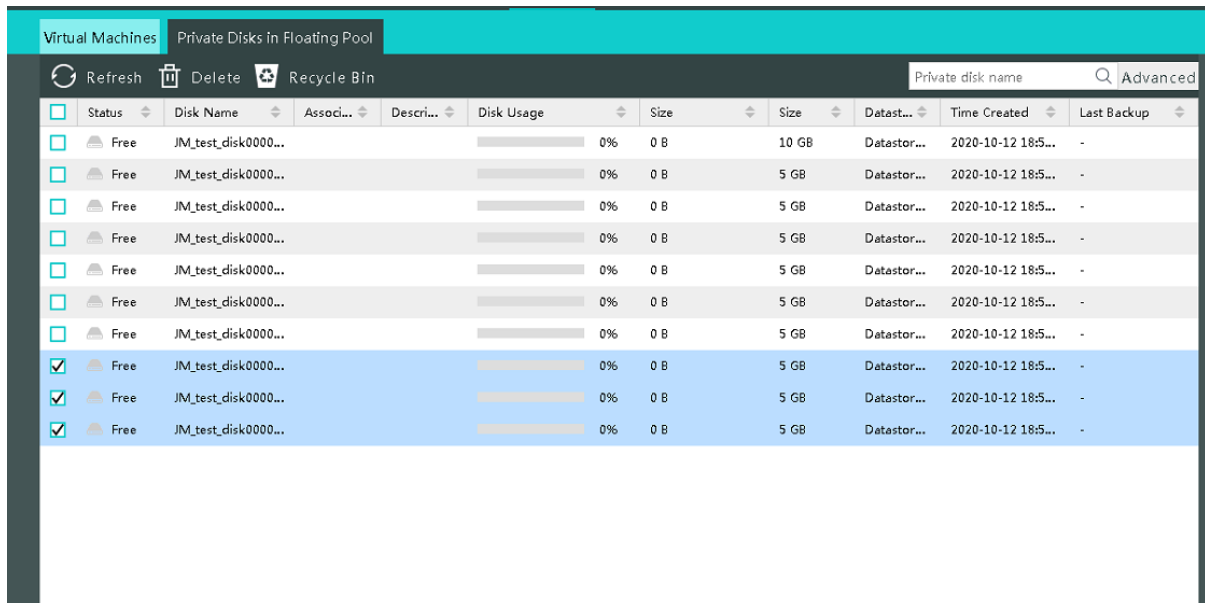


2. Pilih ukuran yang akan ditambahkan dan klik ok untuk menyimpannya.

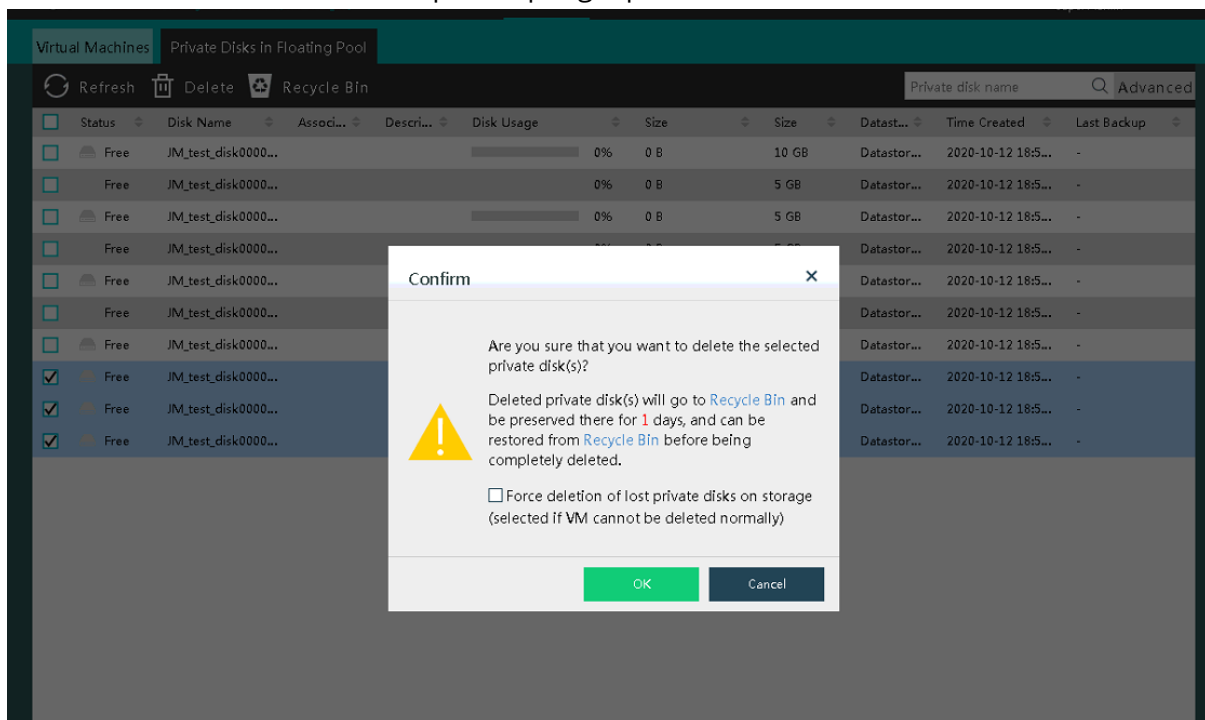


2.7 VMP menghapus private disk secara gabungan

1. Pada VMP virtual machine -> Private Disks in Floating Pool pilih private disk yang butuh dihapus.



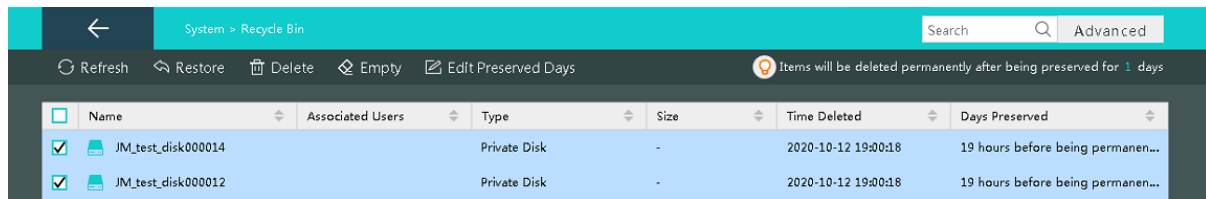
2. Klik tombol delete untuk memproses penghapusan.



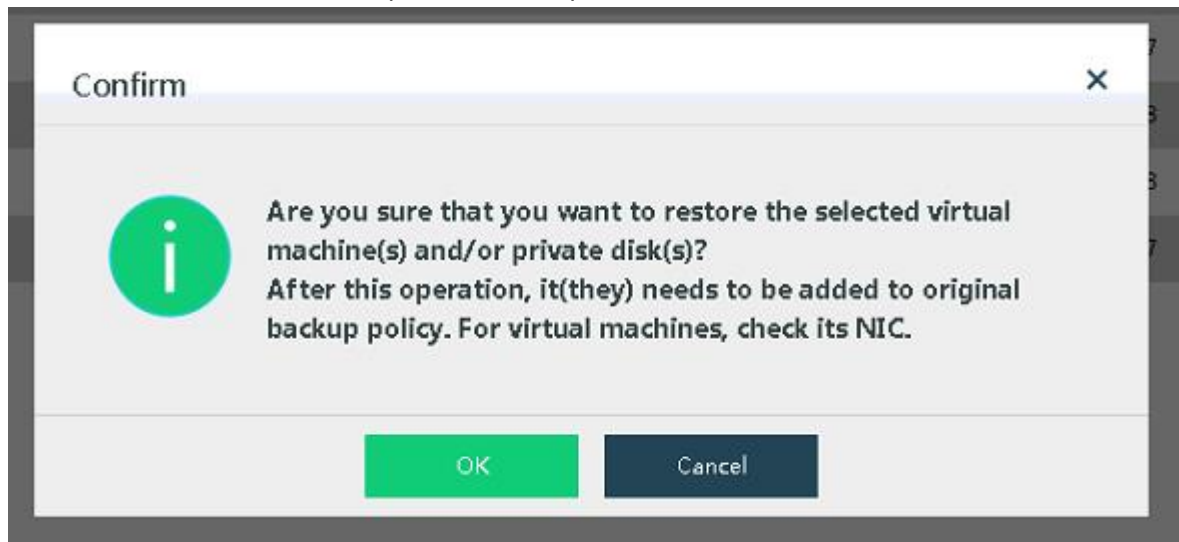
2.8 VMP mengembalikan private disk yang berada di

recycle bin

1. Pergilah ke **System-> Recycle Bin**, pilih private disk yang butuh dipulihkan.

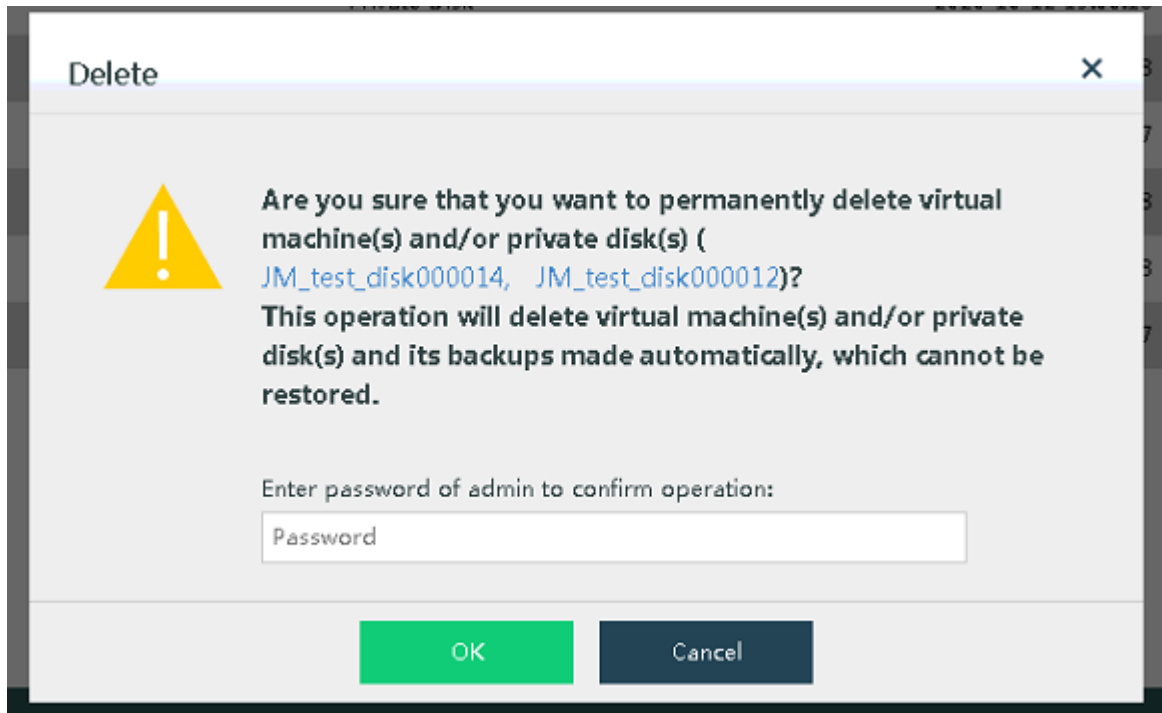


2. Click the restore button to proceed the operation



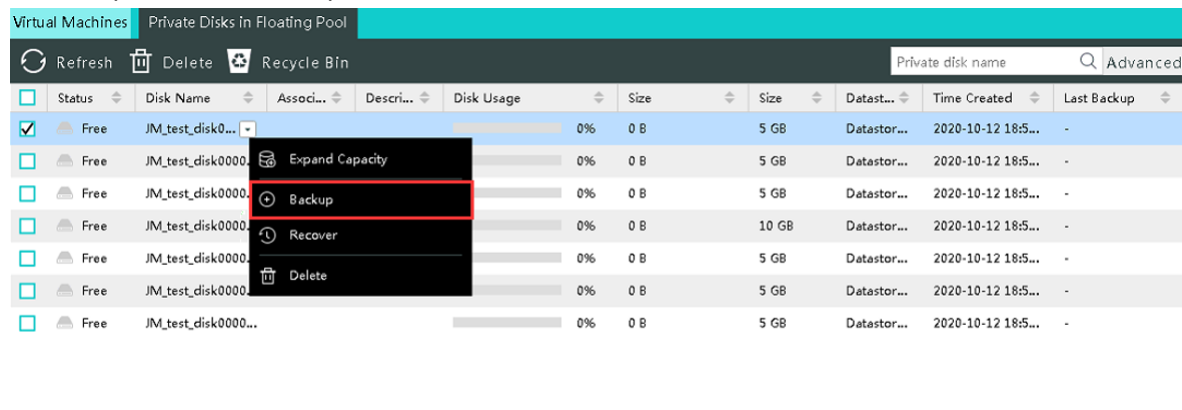
2.9 Sepenuhnya menghapus private disk dari VMP Recycle Bin

1. Pada VMP virtual machine -> Private Disks in Floating Pool -> Recycle Bin, pilih private disk yang butuh untuk sepenuhnya dihapus.

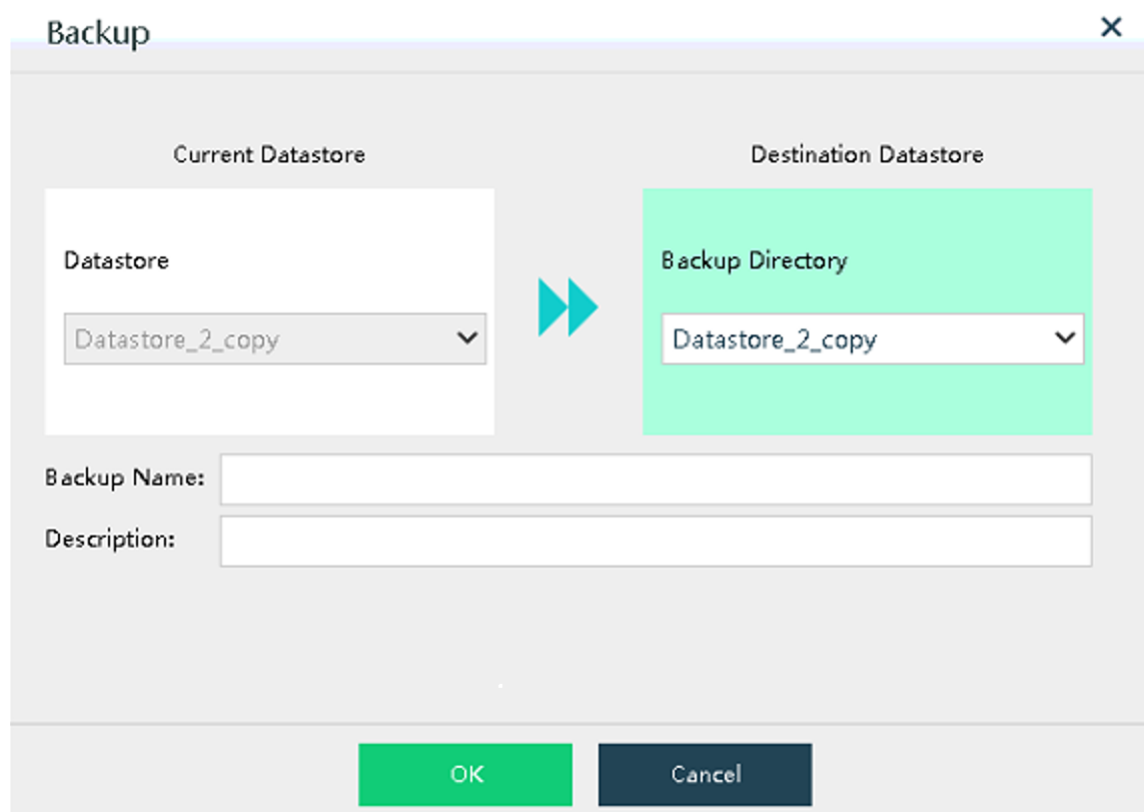


2.10 VMP backup private disk

1. Pada VMP virtual machine -> Private Disks in Floating Pool, pilih private disk yang ingin dibackup, lalu klik backup.

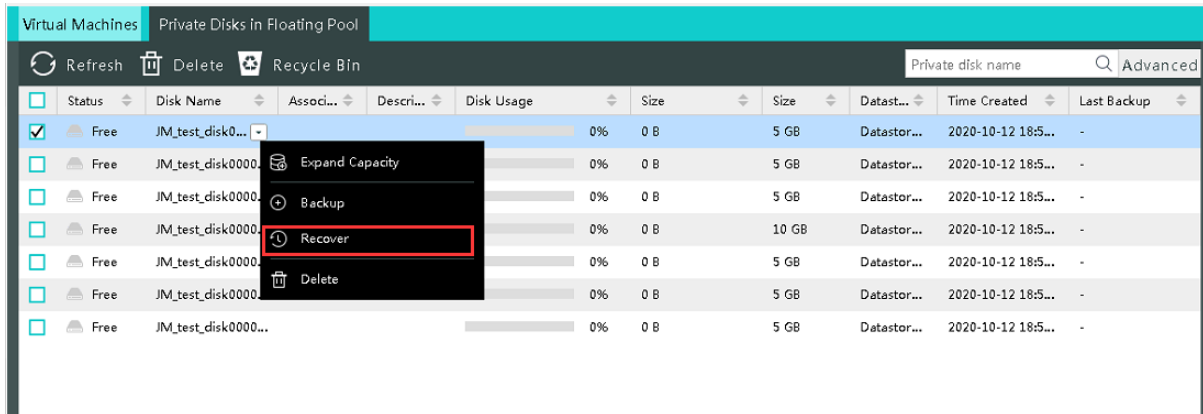


2. Pilih **Backup Directory** dan isikan nama backupnya, dan klik ok untuk memulai backup.

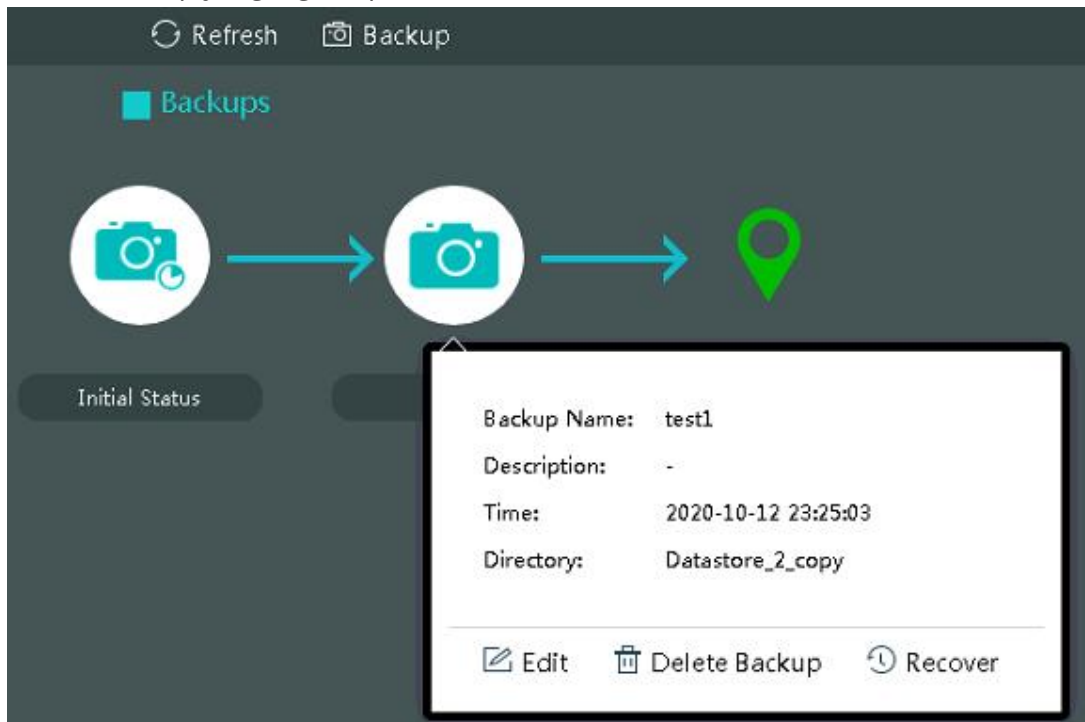


2.11 VMP untuk memulihkan private disk

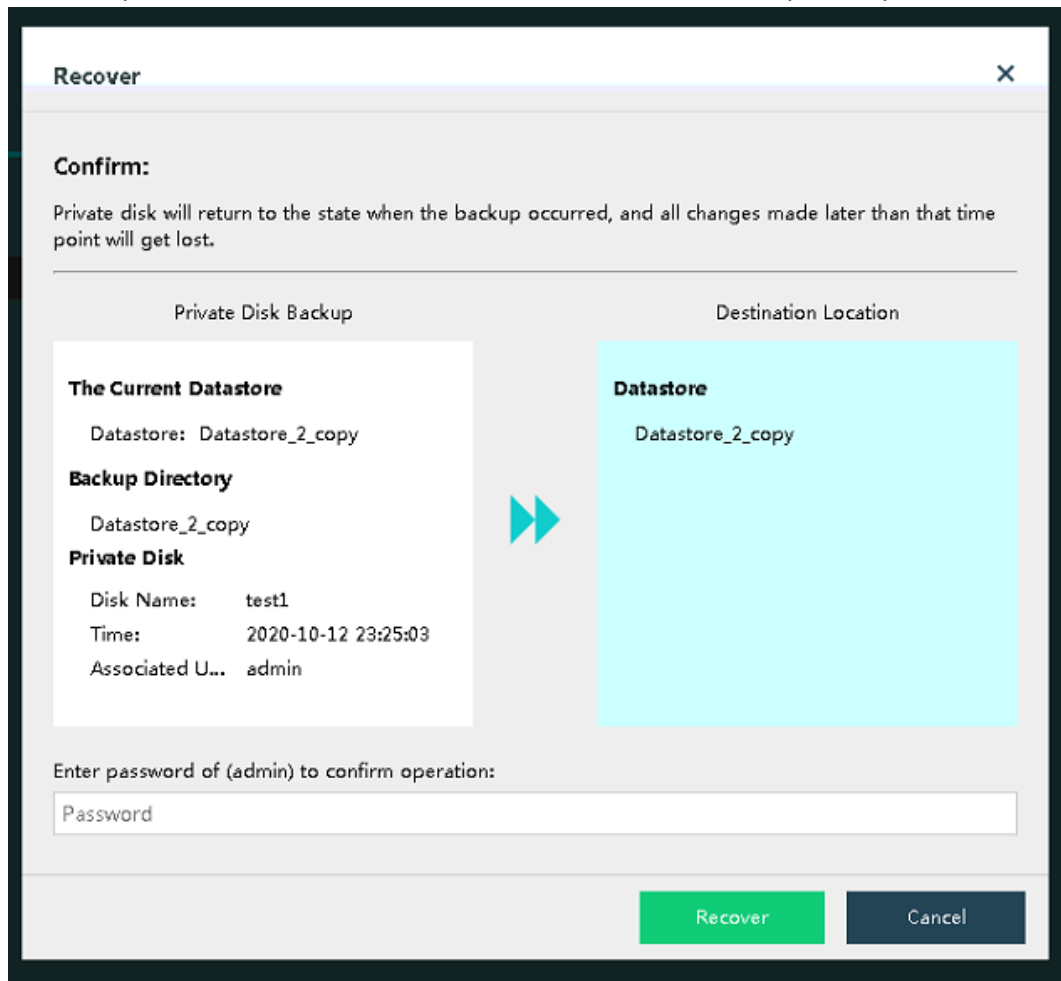
1. Pada VMP virtual machine -> Private Disks in Floating Pool-> Recycle Bin, pilih private disk yang butuh untuk dipulihkan backupnya dan klik tombol recover, itu akan memunculkan halaman backup private disk.



2. Pilih backup yang ingin dipulihkan, klik **Recover**.

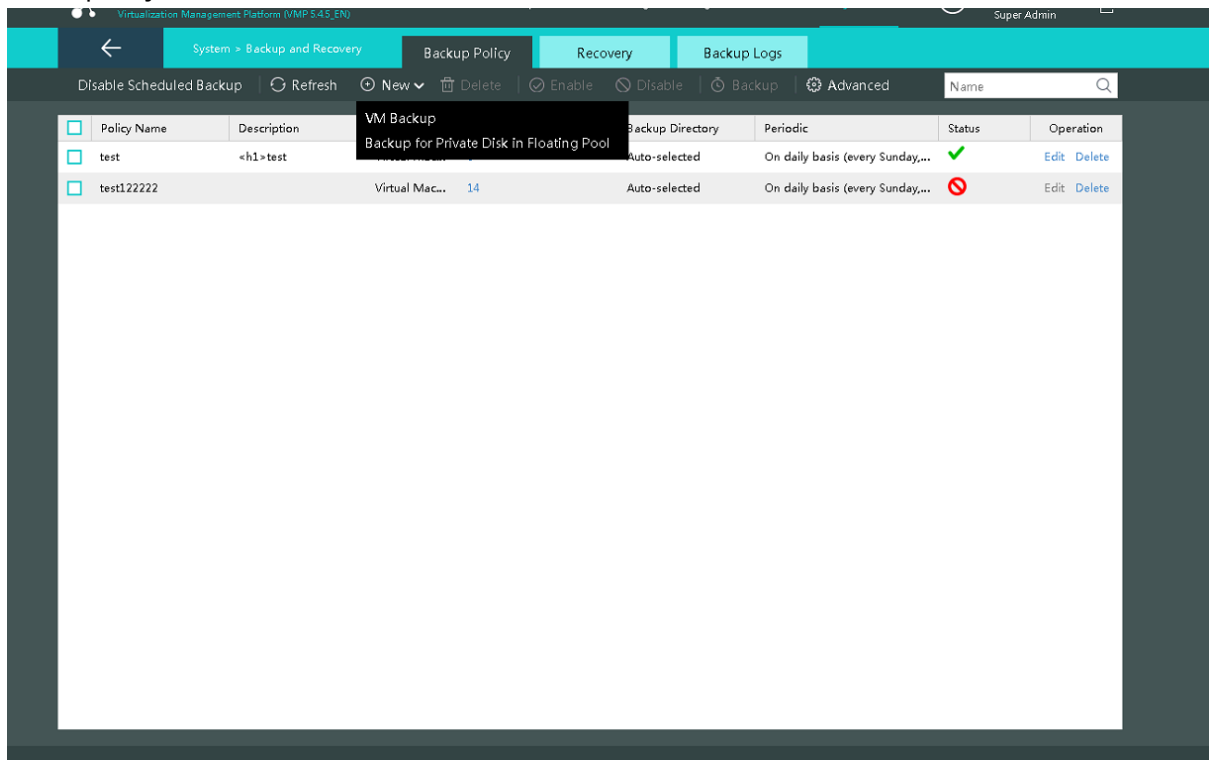


3. Isikan password admin, dan klik **Recover** untuk memulai proses pemulihan.

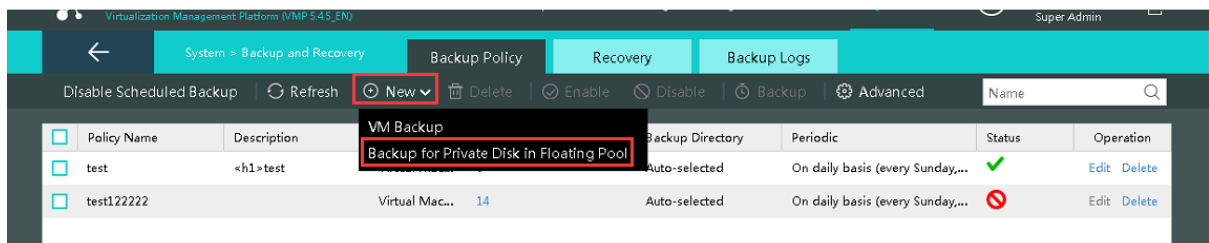


2.12 VMP konfigurasi strategi otomatis backup untuk private disk

1. Pada VMP Management -> Backup and Recovery -> Backup Policy. Klik untuk to mengaktifkan backup terjadwal.



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




Isikan nama policy, pilih backup disk dan backup method, dan klik OK.

Add New Private Disk Backup Policy

Policy Name:

Description:

Disk(s): 


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)**








Start Time: 

Backup Period: 

Copies: 

Select Disks

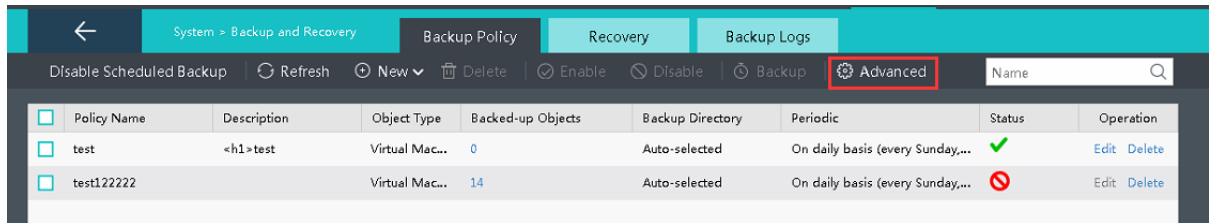


| <input type="checkbox"/> | Disk | Backup Directory |
|--------------------------|--|------------------|
| <input type="checkbox"/> |  JM_test_disk000002 | |
| <input type="checkbox"/> |  JM_test_disk000003 | |
| <input type="checkbox"/> |  JM_test_disk000005 | |
| <input type="checkbox"/> |  JM_test_disk000006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

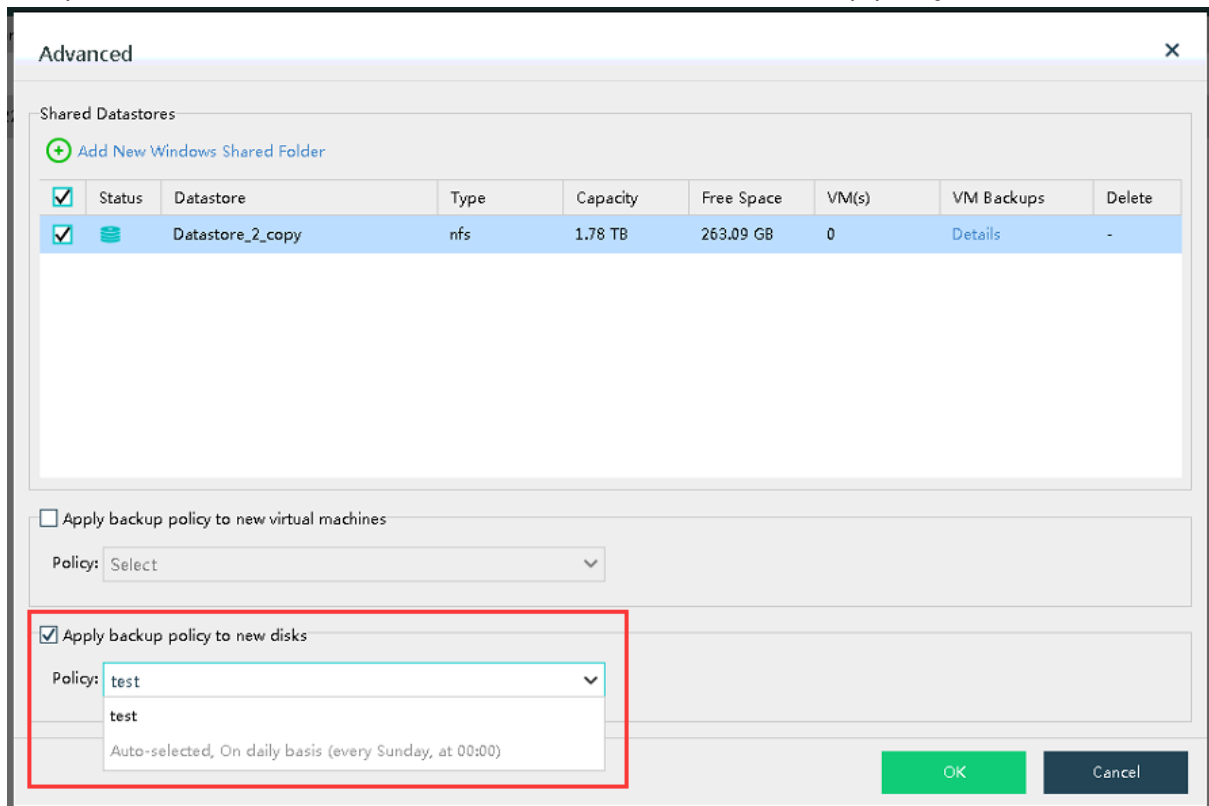
[What if a private disk has been specified backup policy?](#)

2.13 VMP konfigurasi backup otomatis private disk lebih lanjut

1. Masuk ke WebUI VMP, pergi ke bagian System-> Backup and Recovery -> Advanced Settings



2. Centang "**Apply backup policy to new disks**", pilih private disk backup policy lalu simpan, dan private disk baru akan secara otomatis ditambahkan di backup policy.



Bagian 3 Himbauan

- 3.1 Sebuah VMP cluster membatasi jumlah private disk sebanyak 3.000
- 3.2 Dibandingkan dengan virtual machine, private disk saat ini belum mendukung fungsi import dan cross-cluster migration
- 3.3 private disk tidak mendukung pengeditan bersamaan
- 3.4 private disks tidak dapat dibuat di local storage
- 3.5 Hapus private disk dari VMP, lebih dari 100 dapat dihapus sekali hapus
- 3.6 Ketika VMP melakukan banyak pekerjaan di private disk, task sepenuhnya penuh.



SANGFOR

Copyright © SANGFOR Technologies Inc. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of SANGFOR Technologies Inc.

SANGFOR is the trademark of SANGFOR Technologies Inc. All other trademarks and trade names mentioned in this document are the property of their respective holders.

Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied. The information in this document is subject to change without notice. To obtain the latest version, contact the international service center of SANGFOR Technologies Inc

