

Simplivtiy 백업 가이드

2021.06.16 이민우

Contents

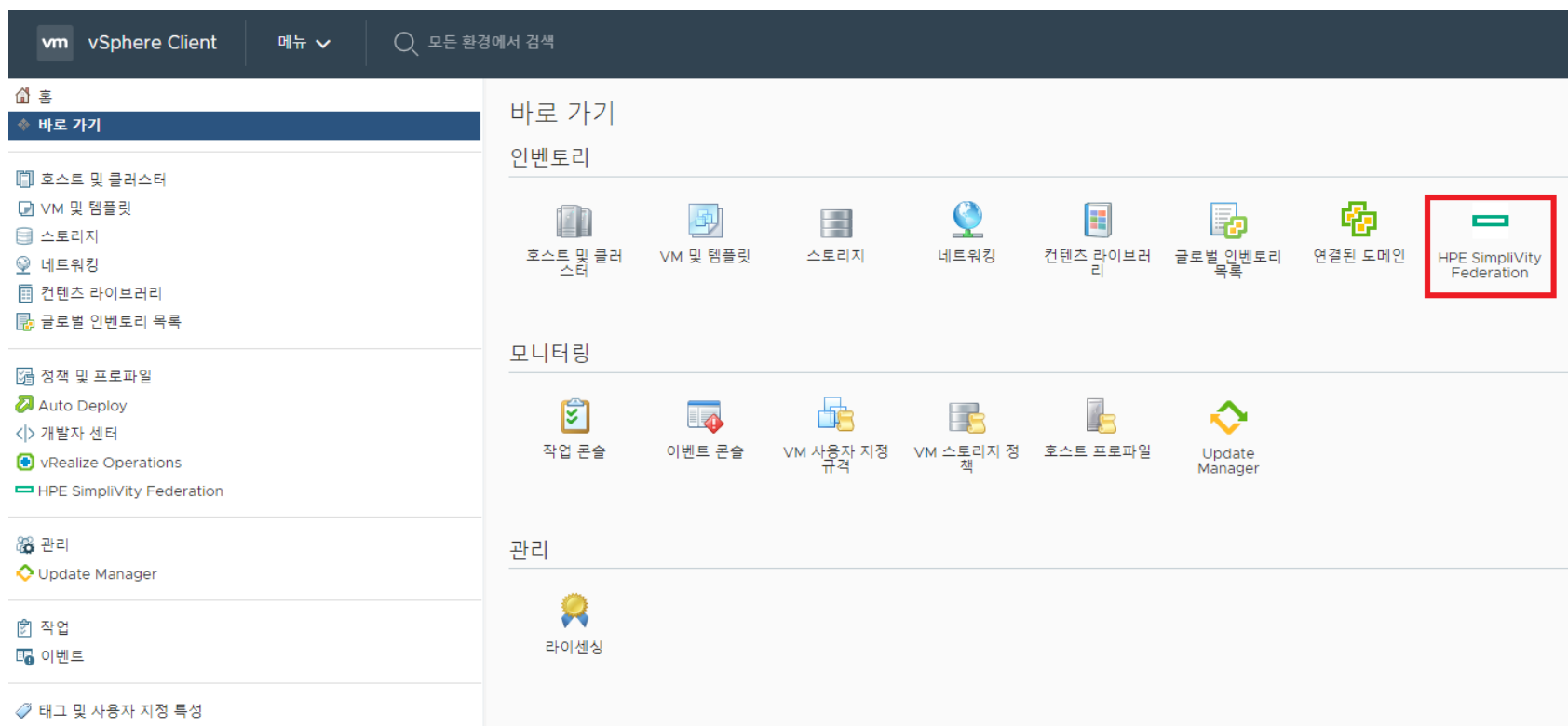
1. 백업 정책 확인 방법
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01

백업 정책 확인 방법

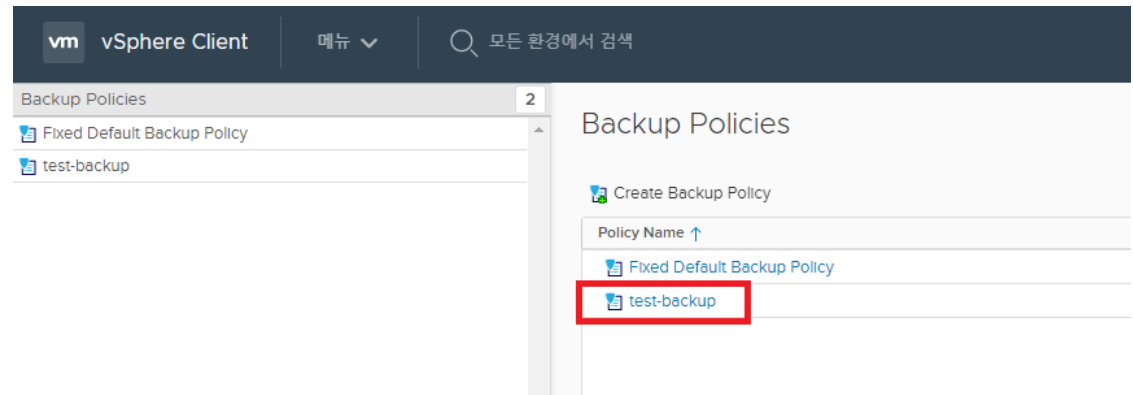
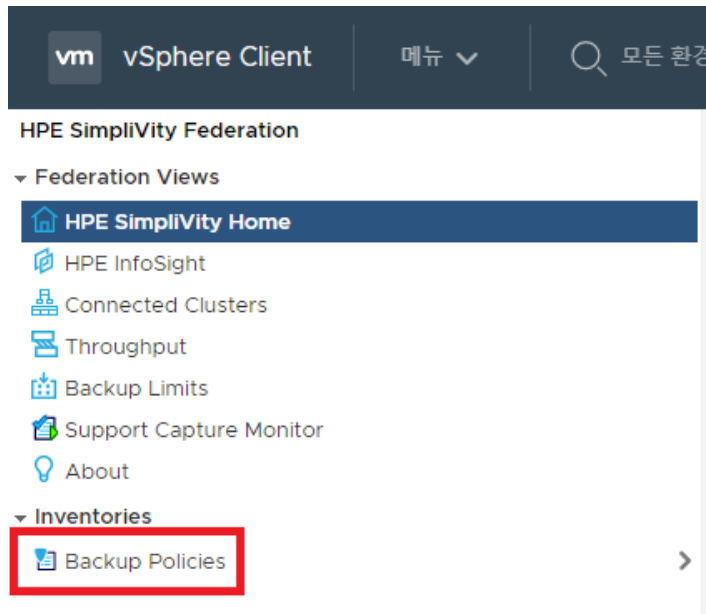
1. 백업 정책 확인 방법(1)

■ vCenter Server에 접속 후 → 홈 → 바로 가기 → 인벤토리 → HPE SimpliVity Federation 선택



1. 백업 정책 확인 방법(2)

■ Backup Policies 선택 후 만들어 놓은 백업 정책 선택



1. 백업 정책 확인 방법(3)

■ 백업 정책이 적용된 데이터스토어 확인 및 백업 정책 세부 내용 확인

- 해당 백업 정책은 데이터스토어와 연동되어, 데이터스토어를 사용하고 있는 모든 VM에 적용됨

test-backup

HPE SimpliVity Virtual Machines9
HPE SimpliVity VM Templates0
HPE SimpliVity Datastores1

test-backup | 작업

요약추가 개체

What is a backup policy?

To prevent data loss, you need data backed up to a safe location.

Backup policies schedule when and how to backup data on virtual machines. To schedule backups, create a backup policy and add one or more rules to it. A policy must have at least one rule to create backups.

A backup policy rule includes:

- Backup schedule (creation frequency)
- Maximum length of time to retain the backups
- Destination for the backups
- Type of backup (default of crash consistent or application consistent using VMware snapshots or Microsoft Volume Shadow Copy Service [VSS])

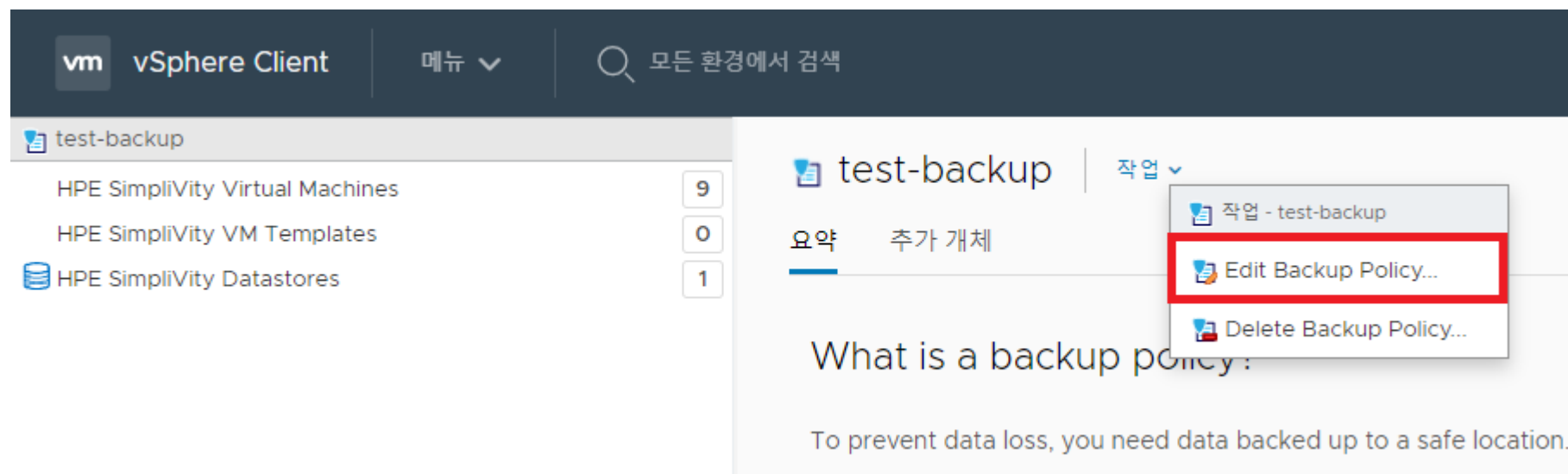
Frequency	Expiration Time	Destination	Backup Days	Application Consistent	Server Start Time	Server Stop Time
1 hour	1 day	<local>	Every Day	No	오전 12:00	오전 12:00
1 hour	1 day	<local>	Every Day	No	오전 12:00	오전 12:00

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백업 정책 편집 방법

2. 백업 정책 편집 방법(1)

■ 작업 → Edit Backup Policy 선택



>

 [EDIT RULE](#)

2. 백업 정책 편집 방법(3)

■ 백업 정책 편집

Edit Backup Policy

Backup policy name: test-backup

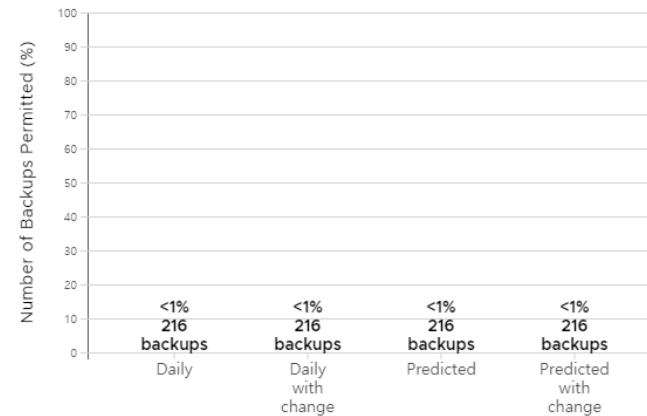
+ ADD RULE

- DELETE RULE

SAVE RULE

<input type="checkbox"/>	Frequency	Expiration Time	Destination	Backup Days	Application Consistent	Server Start Time	Server Stop Time
<input checked="" type="checkbox"/>	1 hour	1 day	<local>	Every Day	No	오전 12:00	오전 12:00
<input type="checkbox"/>	1 hour	1 day	<local>	Every Day	No	오전 12:00	오전 12:00
1							2 rules

Policy Change Impact

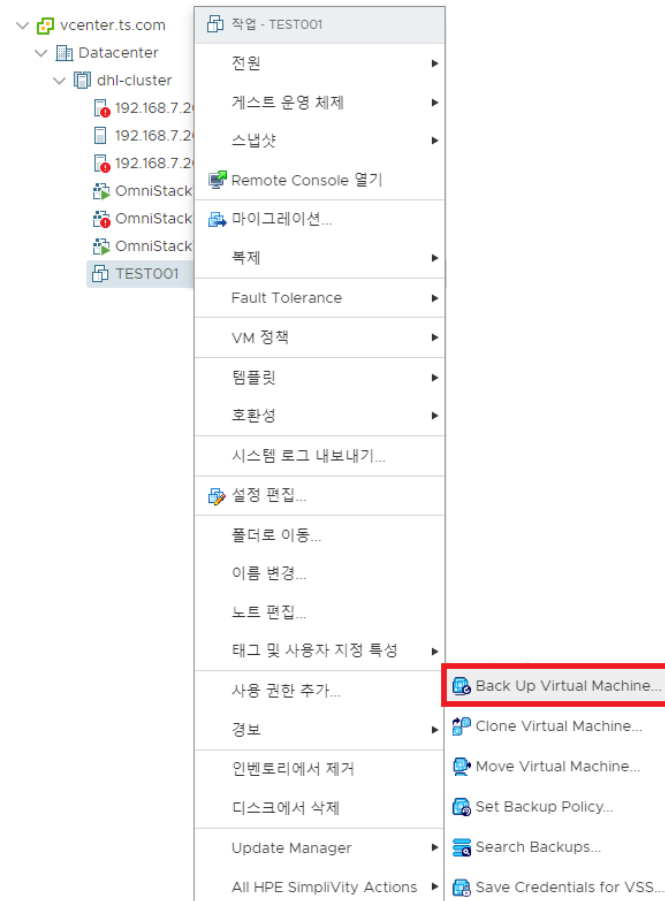


03

수동으로 백업 방법


3. 수동으로 백업 방법(1)

■ VM 우 클릭 → All HPE Simplivity Actions → Back up Virtual Machine 선택



3. 수동으로 백업 방법(2)

■ 백업 이름 확인 후 NEXT 선택

 Back Up Virtual Machine ×

Back Up Virtual Machine


1 Set backup details

2 Set backup type

Set backup details

Leave the default settings or change the backup name, destination, and expiration date.

Virtual machine name:


TEST001 

Backup name:


TEST001-2021-16-06-08h05m28s

Destination:

☒ Cluster

dhl-cluster <local> 


☐ External Store


 The cluster does not have any external stores registered with it.

Expiration date:

☒ Never expires

☐ Set date

Select a date 




CANCEL

NEXT

3. 수동으로 백업 방법(3)

■ FINISH 선택

 Back Up Virtual Machine ×

Back Up Virtual Machine


1 Set backup details


2 Set backup type

Set backup type

Leave the default backup type or change it and select the backup method (if supported).

Backup Type:


☒ Crash consistent 

☐ Application consistent 

☐ VMware snapshot

☐ Microsoft Volume Shadow Copy Service (VSS)

To create a backup using VSS, you must power on the virtual machine.

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CANCEL

BACK

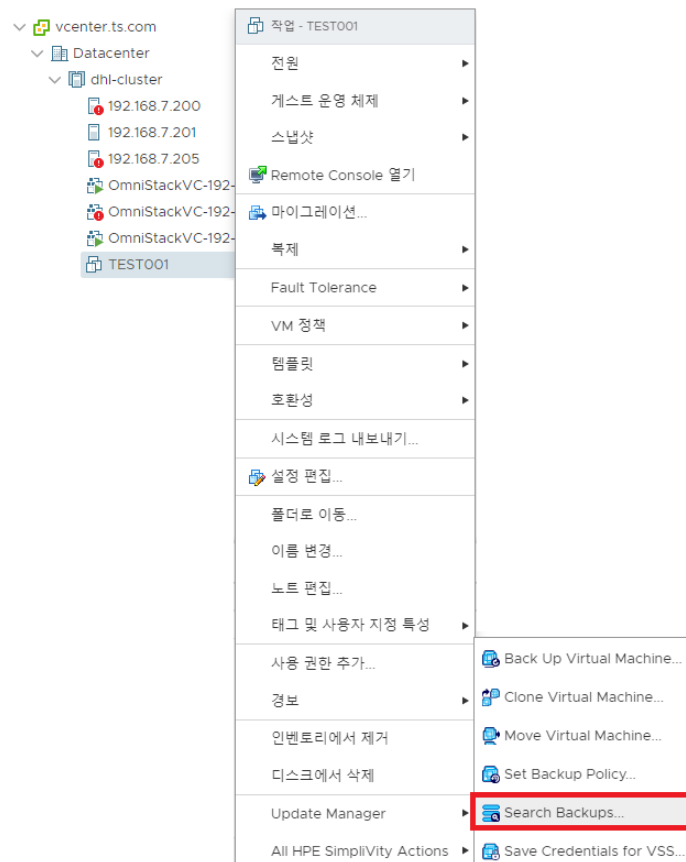
FINISH

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백업 목록 확인

4. 백업 목록 확인(1)

■ VM 우 클릭 → All HPE Simplivity Actions → Search Backups 선택



4. 백업 목록 확인(2)

■ 백업 목록 확인 및 상태 확인 (Status가 Protected로 되어 있어야 백업 상태가 정상적인 것)

Search Backups ×

Virtual machine name: TEST001 ⓘ

ADD FILTER ▾ SEARCH Applied: 0

BACKUP ACTIONS ▾

<input type="checkbox"/>	Backup Name	Cluster	VM Template	Timestamp ↓	Status	Size	Unique Backup Size	Unique Size Calculation Time	Sent Size	Sent Duration	Sent Completion	Type	Application Consistent
<input type="checkbox"/>	TEST001-2021-06-08h05m28s	dhl-cluster	No	6/16/21, 5:07 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Manual	No
<input type="checkbox"/>	2021-06-16T04:00:00-04:00	dhl-cluster	No	6/16/21, 5:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-16T03:00:00-04:00	dhl-cluster	No	6/16/21, 4:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-16T02:00:00-04:00	dhl-cluster	No	6/16/21, 3:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-16T01:00:00-04:00	dhl-cluster	No	6/16/21, 2:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-16T00:00:00-04:00	dhl-cluster	No	6/16/21, 1:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-15T23:00:00-04:00	dhl-cluster	No	6/16/21, 12:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No

Backups per page 100 ▾ 1 - 25 of 25 backups

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CLOSE HELP

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VM 복구 방법

5. VM 복구 방법(1)

■ 백업 목록 check 후 BACKUP ACTIONS → Restore Virtual Machine 선택

Search Backups

Virtual machine name: TEST001

ADD FILTER SEARCH Applied: 0

BACKUP ACTIONS

- Restore Virtual Machine
- Restore Files
- Rename Backup
- Copy Backup
- Calculate Unique Backup Size
- Delete Backup
- Set Expiration Date

				Timestamp	Status	Size	Unique Backup Size	Unique Size Calculation Time	Sent Size	Sent Duration	Sent Completion	Type	Application Consistent
<input type="checkbox"/>				6/16/21, 5:07 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Manual	No
<input checked="" type="checkbox"/>				6/16/21, 5:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>				6/16/21, 4:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>				6/16/21, 3:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-16T02:00:00-04:00	dhl-cluster	No	6/16/21, 2:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-16T01:00:00-04:00	dhl-cluster	No	6/16/21, 1:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-15T23:00:00-04:00	dhl-cluster	No	6/16/21, 12:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No

1 Backups per page 100 1 - 25 of 25 backups

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CLOSE HELP

5. VM 복구 방법(2)

■ 복수할 데이터스토어 설정 후 RESTORE 선택

Restore Virtual Machine



Selected backup

Backup name: TEST001-2021-16-06-08h05m28s ⓘ
Backup size: 11.4 GB
Original virtual machine name: TEST001
Datastore: svt-datastore
Backup policy: test-backup

Restore Options

☒ Create a new virtual machine

New virtual machine name: TEST001-2021-16-06-08h16m13s

Datastore: svt-datastore ▾

① Required

☐ Replace existing virtual machine


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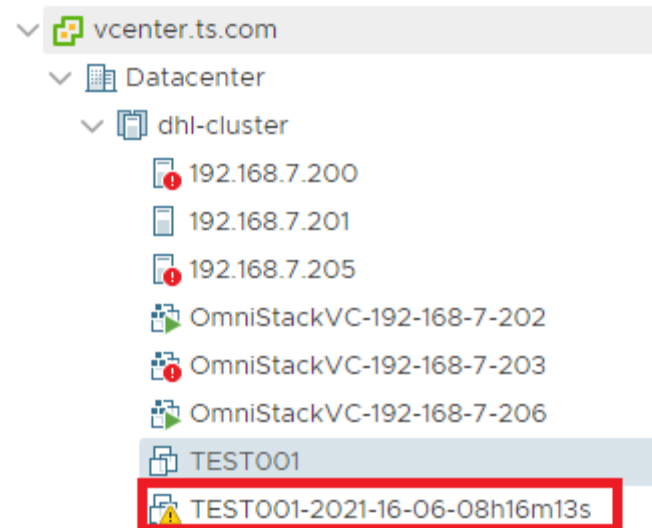
RESTORE

CANCEL

HELP

5. VM 복구 방법(3)

■ TEST001에 대한 복구 VM이 생성된 것을 확인



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VM 파일 단위 복구 방법

6. VM 파일 단위 복구 방법(1)

■ VM 파일 단위 복구 전 주의사항

- 대상 VM이 전원 On 되어 있는 것을 확인
- Windows OS에만 적용 가능
- Windows OS에 CD-ROM이 마운트 되어 있으면 안됨

6. VM 파일 단위 복구 방법(2)

■ 백업 목록 check 후 BACKUP ACTIONS → Restore Files 선택

Search Backups ×

Virtual machine name: TEST001 ⓘ

ADD FILTER ▾ SEARCH Applied: 0

BACKUP ACTIONS ▾

- Restore Virtual Machine
- Restore Files**
- Rename Backup
- Copy Backup
- Calculate Unique Backup Size
- Delete Backup
- Set Expiration Date

				Timestamp ↓	Status	Size	Unique Backup Size	Unique Size Calculation Time	Sent Size	Sent Duration	Sent Completion	Type	Application Consistent
<input checked="" type="checkbox"/>				6/16/21, 5:22 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Manual	No
<input type="checkbox"/>				6/16/21, 5:07 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Manual	No
<input type="checkbox"/>				6/16/21, 5:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>				6/16/21, 4:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-16T02:00:00-04:00	dhl-cluster	No	6/16/21, 3:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-16T01:00:00-04:00	dhl-cluster	No	6/16/21, 2:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No
<input type="checkbox"/>	2021-06-16T00:00:00-04:00	dhl-cluster	No	6/16/21, 1:00 PM	Protected	11.4 GB	0.0 KB		0.0 KB			Policy	No

1

Backups per page 100 ▾ 1 - 26 of 26 backups

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CLOSE HELP

6. VM 파일 단위 복구 방법(3)

■ NEXT 선택

Restore Files



Restore Files

1 Overview

2 Select Files

3 Select Destination

4 Restore

Overview

Use the Restore Files wizard to select the files and folders that you need to restore to a virtual machine. Once restored, the end user (or Administrator) can copy the restored ISO image from the virtual machine to a preferred location. (File and folder permission are not preserved on the restore image.)

To restore files:

- Select files or folders on native NTFS partitions
- Do not restore core Windows operating system files (for example: boot, registry, or DLL files)
- Ensure that the virtual machine where you want to restore the files is powered on and has VMware Tools installed
- Access the restore ISO image on the DVD drive of the target virtual machine within 24 hours (after creation timestamp)

[CANCEL](#)[NEXT](#)

6. VM 파일 단위 복구 방법(4)

■ 복원할 파일을 check 후 NEXT 선택

Restore Files

Restore Files

1 Overview

2 Select Files

3 Select Destination

4 Restore

Select Files

Select the files and folders that you want to restore to a guest virtual machine (less than 32GB total size).

File selection for backup:

TEST001-2021-16-06-08h22m08s ⓘ

	File	Size	Date Modified
<input type="checkbox"/>	> Recovery		6/11/21, 6:49 AM
<input type="checkbox"/>	> ProgramData		6/11/21, 4:28 PM
<input checked="" type="checkbox"/>	> Program Files (x86)		10/7/19, 11:52 AM
<input type="checkbox"/>	> Program Files		6/11/21, 7:26 AM
<input type="checkbox"/>	> System32		2/10/19, 1:52 PM

Total size (less than 32 GB required)

0.0 KB

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CANCEL

BACK

NEXT

6. VM 파일 단위 복구 방법(5)

■ 파일을 복원할 VM을 check 후 NEXT 선택

Restore Files

Restore Files

1 Overview

2 Select Files

3 Select Destination

4 Restore

Select Destination

Select the target virtual machine where you want the files restored.

Destination cluster: dhl-cluster

Destination virtual machine: TEST001

	Virtual Machine Name	Datastore	Provisioned Space	Used Space
<input type="radio"/>	VM004	svt-datastore	58.2 GB	11.4 GB
<input checked="" type="radio"/>	TEST001	svt-datastore	50 GB	11.4 GB
<input type="radio"/>	window-t-1	svt-datastore	58.2 GB	11.4 GB
<input type="radio"/>	windows1	svt-datastore	58.2 GB	11.4 GB

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CANCEL

BACK

NEXT

6. VM 파일 단위 복구 방법(6)

■ 최종 내용 확인 후 FINISH 선택

Restore Files

Restore Files

- 1 Overview
- 2 Select Files
- 3 Select Destination
- 4 Restore

Restore

Restore the selected files to the target virtual machine. Monitor the progress through the Recent Tasks tab.

Selected Backup: TEST001-2021-16-06-08h22m08s ⓘ

Destination Virtual Machine: TEST001 ⓘ

Selected files to restore:

VMDK	Partition	Name	Path
TEST001.vmdk	4	Program Files (x86)	/

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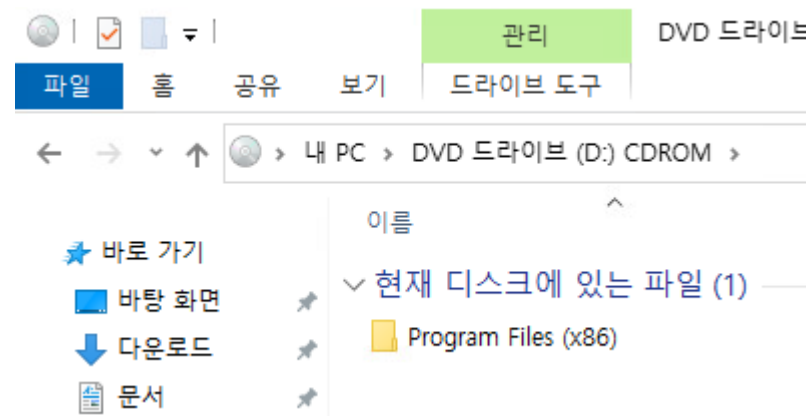
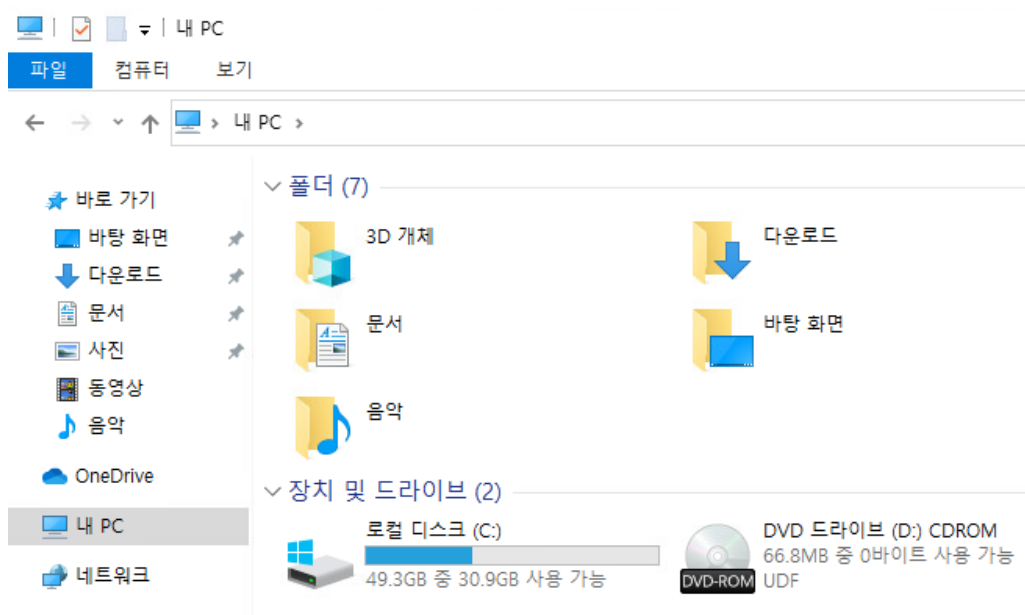
CANCEL

BACK

FINISH

6. VM 파일 단위 복구 방법(7)

■ VM에서 파일이 복구되었는지 확인(CD-ROM에 파일이 복구되어 있음)





THANK YOU