

Creating DPM Protection Group



Recycle Bin



DPM
Manageme...



Microsoft
System C...

Host Name: SCDPM01
IP Address: 10.0.0.108
20.0.0.109
(none)
User Name: administrator

Windows Server 2012 R2 Datacenter Evaluation
Windows License valid for 68 days
Build 9600



11:12 AM
5/13/2014

File Action View Help



New

Self service
recoveryTape catalog
retentionRecovery point
statusCheck
updates

Options

About
DPM

Help

Protecti...

Manage

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Options

Help

Data Source Health

Critical (0)

OK (0)

Warning (0)

All Protection Groups



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**Protection**

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Group by: Protection group Computer

Search list below

 Search in details also (Slow)

Protection Group Member /	Type	Protection Status
---------------------------	------	-------------------

No protection group has been created.

Before you start protecting data, DPM recommends that you do the following:

1. Add disks to the DPM storage pool, unless you want to use custom volumes.
2. Install a protection agent on each computer that you want to protect.
3. Install a tape library if you want to use tape-based protection.
4. Sign up for Windows Azure Backup and register this DPM Server for Online Protection if you want to use online protection.

[Need help getting started?](#)

Details:

Create New Protection Group


Welcome to the New Protection Group Wizard

This wizard helps you create a new protection group that DPM will use to protect data.

Steps:

- Welcome
- Select protection group type
- Select group members
- Specify protection rules
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

A protection group is a collection of data sources that share the same protection configuration. You use this wizard to specify your recovery goals that are defined by retention range, synchronization and recovery point schedules.

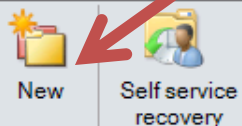


How data protection works:

1. DPM creates a replica of the selected data sources on the DPM server.
2. DPM synchronizes the replica with the data sources and creates recovery points on a recurring schedule.
3. Backups are performed as follows:
 - Disk-based and tape-based protection. DPM stores the replica of the data on disks and periodic full backups are created on tape from the recovery points on disk.
 - Tape-based protection. DPM performs periodic incremental and full backups of the protected data on tapes.
 - Online protection. DPM performs periodic backups of the protected data to Windows Azure Backup.

Do not show this Welcome page again

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Cancel
Help



Data Source Health

- ✘ Critical (0)
- ✔ OK (0)
- ⚠ Warning (0)

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tion.

Create New Protection Group



Select Protection Group Type

Select what kind of computers you would like to setup protection for.

Steps:

- Welcome
- Select protection group type
- Select group members
- Specify protection rules
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

You can create two kinds of protection groups. Select one of them below

 Servers

Select this option for backing up file servers and application servers. Before selecting this option, ensure that the DPM protection agent is already installed on the target server. These computers must be online at the time of configuring protection. You will need to select the specific resources you want to backup.

 Clients

Select this option for backing up data from laptops and desktops. You can install the DPM protection agent after completing the configuration on the DPM server.

To configure secondary protection for laptops and desktops, select the Servers option.

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OK (0)

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4 Data Source Health

- ✘ Critical (0)
- ✔ OK (0)
- ⚠ Warning (0)

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Select Group Members.

Select the data that you want to protect.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

To choose the data to protect, select the check boxes in the Available members section. To exclude a folder, expand the directory structure, and clear the check box of the folder.

If you do not see the data source you want to protect in the tree below, click the following link for a list of unsupported configurations.

[Unsupported configurations](#)

Available members

- contoso.com
 - Cluster-Hyper-V (Cluster)
 - DC01
 - All Shares
 - All Volumes
 - C:\
 - D:\
 - E:\
 - F:\
 - G:\
 - H:\
 - I:\
 - J:\
 - System Protection
- SCCM01
 - All Shares
 - SQL All SQL Servers
 - All Volumes

Selected members

Selected Members	Computer
C:\	DC01.contoso.com

[Remove](#)

Excluded folders: 0 [View](#)

Excluded file types: 0 [Exclude Files ...](#)

Clear cache

Clicking Clear Cache will only empty the cache. To refresh the data, expand the resource group.

[Clear cache](#)

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Select Data Protection Method

DPM can help provide disk, online and tape based data protection.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

Protection group name:

Protection method

Select your protection method.

 I want short-term protection using:  I want online protection

Configure online protection from the Management page to enable this option.

 I want long-term protection using tape

Protection using tape options are disabled as no tape libraries were detected.

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Cancel

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Create New Protection Group

Specify Short-Term Goals

DPM will create a protection plan using your short-term recovery goals.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals**
- Review disk allocation
- Choose replica creation method
- Choose consistency check options
- Summary
- Status

 Specify your short-term recovery goals for disk-based protection.

Retention range: days

Synchronization frequency: Every Just before a recovery point

File recovery points
Specify recovery points for file members.

Recovery points for files:

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Review Disk Allocation

Review the storage pool disk space allocated for this protection group.



Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals
- Review disk allocation
- Choose replica creation method
- Choose consistency check options
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- Status

Review the disk space allocated for new members of this protection group.

Disk space allocation for new members

Total data size:	15.48 GB	
Disk space allocated in DPM:	25.41 GB	
Average disk space allocated in protected computers:	300.00 MB	<input type="button" value="Modify..."/>

 Co-locate data in DPM Storage Pool

This option is disabled because the chosen data sources cannot be co-located. Click Help to learn more.

 Automatically grow the volumes

Automatically grow the allocated volumes when more disk space is required to continue protecting the items in the protection group for the specified retention range. This option is not applicable for custom volumes.

Storage pool details

Details of all disk space currently allocated and free disk space that remains in the DPM storage pool.



Total disk space allocated: 3.03 MB

Disk space remaining: 100.00 GB

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Choose Replica Creation Method

To protect the data you have selected, you must initially copy the selected data to the Data Protection Manager computer.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals
- Review disk allocation
- Choose replica creation method
- Choose consistency check options
- Summary
- Status

DPM must create a replica to copy the selected data to the DPM server. How do you want to create the replica?

Replica in DPM Server

Automatically over the network

Now Later

5/13/2014 11:22:30 AM

Manually

You must transfer the data using removable media.
For large amounts of data, this operation may be faster than replica creation across the network.

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Consistency check options

Select how you want to run consistency check on inconsistent replicas.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals
- Review disk allocation
- Choose replica creation method
- Choose consistency check options**
- Summary
- Status

Running a consistency check on a replica that has become inconsistent allows DPM to continue protecting the data source. You can start a consistency check manually or allow DPM to run it automatically. Use the methods below to customize how DPM can run a consistency check.

Run a consistency check if a replica becomes inconsistent

Select this method if you want DPM to automatically run a consistency check when it finds a replica in an inconsistent state. This method may require DPM to use additional CPU and disk resources.

Run a daily consistency check according to the following schedule

Select this method if you want DPM to check for inconsistent replicas at a specified time every day and then run a consistency check if it finds one. This method may require additional CPU and disk resources during the specified hours.

Start time: 12:00 AM

Maximum duration: 480 hours

Cannot exceed 480 hours (20 days).

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Summary
DPM is ready to create the Protection Group 1 protection group.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals
- Review disk allocation
- Choose replica creation method
- Choose consistency check options
- Summary**
- Status


Review the settings, and then click Create Group to create the Protection Group 1 protection group.

Protection group members:

C:\

Protection group settings:

Setting	Details
Short-term retention range	5 Day(s)
Synchronization	Every 15 minutes
Recovery points (files)	8:00 AM, 12:00 PM, 6:00 PM Everyday
Replica creation	Now

 You can [optimize performance](#) of this protection group now or you can do it later from the actions pane.

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Status

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals
- Review disk allocation
- Choose replica creation method
- Choose consistency check options
- Summary
- Status

Tasks

Task	Results
Create protection group: Protection Group 1	Success
Allocate replica for C:\	Success

DPM does not protect reparse points found in file systems, except for deduplication reparse points, which are protected. If you have selected volumes or folders in this protection group, all data is protected except for the unprotected reparse points. Read "[Select Group Members](#)" page of DPM 2012 Help for more details on unsupported data.

Close

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