

Environment:

MD3260I Primary

MD3600I Secondary

一、Increase Repository Capacity

MD3260I Optimal

Summary

Performance

Storage & Copy Services

Host Mappings

Hardware

Setup

Find object in tree

Storage Array MD3260I

All Logical Objects

SSD Cache

Disk Pools

Disk_Pool_1 (6,364.000 GB)

Free Capacity (6,244.000 GB)

1 (1.000 GB)

2 (10.000 GB)

3 (100.000 GB)

Replicated Pair (3 and replic

Consistency Groups

Remote Replication Groups

RRG_001

Remote Replication Group "RRG_001"

Status: Optimal

Last known recovery point: 11/22/16 8:26:56 AM GMT

Role: Primary

Remote storage array: MD3600i

Connection type: iSCSI

Synchronization interval: 10 minutes

Synchronization warning threshold: 10 minutes

Recovery point warning threshold: 20 minutes

Repository warning threshold: 90 %

No synchronization in progress: [View unsynchronized data amount](#)

Associated replicated pairs:

Primary Virtual Disk	Secondary Virtual Disk	Status	Total Repository Capacity	Available Repository Capacity	Repository Status
3	replication 100	Optimal	4.000 GB	3.889 GB (97%)	Optimal

Remove...

Overall Repository

Increase Capacity...

Change Modification Priority...

Change Media Scan Settings...

Change Pre-Read Consistency Check...

Member replication repository members:

Member Name	Name	Status	Capacity
3	repos_0025	Optimal	4.000 GB

Activate Windows

Go to Action Center to activate Windows.

MD3260i ✓ Optimal

MD3260i - Increase Repository Capacity

Repository for Replicated Pair Virtual Disk 3.

☐ Add one or more existing repository virtual disks

Eligible repository virtual disks ? ☐ Select all

No eligible repository virtual disks exist. Use the option to create and add a new repository virtual disk.

☒ Create and add new repository virtual disks

Create new repository on ?

Disk Pool Disk Pool 1 (6,244.000 GB FreeCapacity, DS Match) ▼

Capacity (minimum capacity: 32.000 MB) Units GB ▼

Results

	Current Repository	Pending Repository
Total repository capacity:	4.000 GB	8.000 GB
Available repository capacity:	3.889 GB (97%)	7.889 GB (99%)
Number of repository members:	1	2

	Total Repository Capacity	Available Repository Capacity	Repository Status
3	4.000 GB	3.889 GB (97%)	✓ Optimal

Member Name	Name	Status	Capacity
3	repos_0025	✓ Optimal	4.000 GB

MD3260i ✓ Optimal**Summary** Performance Storage & Copy Services Host Mappings Hardware Setup

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Remote Replication Group "RRG_001"

Status: ✓ Optimal

Last known recovery point: 11/22/16 8:26:56 AM GMT

Role: Primary

Remote storage array: MD3600i

Connection type: iSCSI

Synchronization interval: 10 minutes

Synchronization warning threshold: 10 minutes

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Repository warning threshold: 90 %

No synchronization in progress: [View unsynchronized data amount](#)

Associated replicated pairs:

Primary Virtual Disk	Secondary Virtual Disk	Status	Total Repository Capacity	Available Repository Capacity	Repository Status
3	replication100g	✓ Optimal	8.000 GB	7.889 GB (99%)	✓ Optimal

Member replication repository members:

Member Name	Name	Status	Capacity
3	repos_0025	✓ Optimal	4.000 GB
3	repos_0026	✓ Optimal	4.000 GB

二、Delete Replication.

One Primary, select "Remove"

The screenshot shows the Dell PowerVault Modular Disk Storage Manager interface. The top navigation bar includes 'Storage Array', 'Storage', 'Copy Services', 'Host Mappings', 'Hardware', 'Monitor', 'Upgrade', and 'Help'. The main panel displays 'MD3260i' with a status of 'Optimal'. The 'Storage & Copy Services' tab is active, showing a tree view on the left and details on the right.

Replicated Pair "3" and "replicaiton100g"

Status:	Optimal
Remote replication group:	RRG_001
Replicated pair capacity:	100.000 GB
Total repositories:	2
Local virtual disk:	3
Role:	Primary
Storage array:	MD3260i
Remote virtual disk:	replicaiton100g
Role:	Secondary
Remote storage array:	MD3260i

A context menu is open over the 'Replicated Pair (3 and replicaiton100g)' entry, with 'Remove...' selected.

The second screenshot shows the 'MD3260i - Confirm Remove Replicated Pair' dialog box. It contains a warning icon and the following text:

You have chosen to remove the following replicated pair from Remote Replication Group RRG_001:

- 3 (Local) Primary
- replicaiton100g (Remote) Secondary

Removing the replicated pair will break the replication relationship between the primary and secondary virtual disks and will return both to standard virtual disks. Data on the virtual disks will NOT be deleted; however, there is no way to resume the current replication relationship once this operation is started.

☒ Delete all repositories associated with this replicated pair ?

Are you sure you want to remove this replicated pair?

Type "yes" to confirm that you want to perform this operation:

yes

Buttons: Remove, Cancel

三、Recreate Replication.

On Primary:

Storage Array Storage Copy Services Host Mappings Hardware Monitor Upgrade Help

MD3260i Optimal

Summary Performance **Storage & Copy Services** Host Mappings Hardware Setup

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 - 3 (100.000 GB)
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Virtual Disk "3"

[View Associated Physical Components](#)

Virtual Disk status: Optimal

Thin provisioned: No

Capacity: 100.000 GB

Virtual Disk world-wide identifier: 6d4ae52000b4214d0000618c5831d12d

Subsystem ID (SSID): 3

Interface type: Serial Attached SCSI (SAS)

Size: 512 bytes

Protection: No

RAID Controller Module in slot 0

RAID Controller Module in slot 0

Create

- Snapshot Image...
- Snapshot Image Schedule...
- Snapshot Group...
- Snapshot Virtual Disk...
- Remote Replicated Pair...**

Storage Array Storage Copy Services Host Mappings Hardware Monitor Upgrade Help

MD3260i Optimal

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MD3260i - Select Remote Replication Group (Create Remote Replicated Pair)

DELL

Create a replicated pair using:

☒ An existing remote replication group

Replication groups:

Name	Remote Storage Array
RRG_001	MD3600i

☐ A new remote replication group

Next > Cancel Help

MD3260i Optimal

Summary

Performance

Storage & Copy

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MD3260i - Select Repository (Create Remote Replicated Pair)



Choose a repository selection method:

☐ Automatic (Recommended)

Repository settings:

Capacity: 20.000 GB
Disk Pool: Disk_Pool_1☒ Manual (Advanced)

< Back Next > Cancel Help

Capacity reserved for future segment size changes: 1es

MD3260i Optimal

Summary

Performance

Storage & Copy

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MD3260i - Edit Individual Member Repository (Create Remote Replicated Pair)



Select a repository candidate for primary virtual disk "3".

Specify repository candidate capacity by: ?

☐ Percentage of source virtual disk capacity:

Percent:

20 % (= 20.000 GB)

☒ Preferred capacity:

Capacity:

Units:

60.000 GB (= 60% of source virtual disk capacity)

[How are repository candidates ranked?](#)

Repository candidates:

Ranking	Repository Candidate	Capacity	Difference	Associated Element	RAID	DS Match
1	(New)	60.000 GB	0.000 MB	Disk Pool...	N/A	Yes

< Back Finish Cancel Help

Capacity reserved for future segment size changes: 1es

Go to Secondary

Storage Array Storage Copy Services Host Mappings Hardware Monitor Upgrade Help

MD3600i Optimal

SummaryPerformanceStorage & Copy ServicesHost MappingsHardwareSetup

Find object in tree

321 (5.000 GB)

QuorumJA1 (5.000 GB)

filesystemJA2 (20.000 GB)

calvin_quorum (5.000 GB)

hong1 (20.000 GB)

hong2 (5.000 GB)

hong3 (20.000 GB)

Flying_Repl (100.000 GB)

cavinlinuxun (10.000 GB)

chris_hong1 (20.000 GB)

chris_hong2 (5.000 GB)

stu2_thin1 (20.000 GB)

8 (13.000 GB)

9 (130.000 GB)

Replication (10.000 GB)

replication100g (100.000 GB)

Free Capacity (195.8 GB)

2 (RAID 0) (553.412 GB)

3 (RAID 0) (553.412 GB)

stu5_thin1 (50.000 GB)

Free Capacity (503.4 GB)

chris1 (RAID 0) (553.4 GB)

Remote Replication Group

RRG_001

Remote Replication Group "RRG_001"

Status: Optimal

Last known recovery point: Not Applicable

Role: Secondary

Remote storage array: MD3260i

Connection type: iSCSI

Synchronization interval: 10 minutes

Synchronization warning threshold: 10 minutes

Recovery point warning threshold: 20 minutes

Repository warning threshold: 90 %

Associated replicated pairs:

Primary Virtual Disk	Secondary Virtual Disk	Status	Total Repository Capacity	Available Repository Capacity	Repository Status
3	Complete replicated pair	Incomplete			

Member replication repository members:

Select one or more rows in the table above to display data

Activate Windows

Go to Action Center to activate Windows.

Storage Array Storage Copy Services Host Mappings Hardware Monitor Upgrade Help

MD3600i Optimal

SummaryPerformanceStorage & Copy ServicesHost MappingsHardwareSetup

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Free Capacity (503.4 GB)

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Remote Replication Group

RRG_001

MD3600i - Complete Remote Replicated Pair

How would you like to complete the remote replicated pair?

Automatically create a secondary virtual disk and repository (Recommended)

Virtual Disk name: 10

Why can I not see all of my disk pools and disk groups?

Available disk pools and disk groups:

Name	Free Capacity	RAID Level	Physical Disk Type
chris1	391.412 GB	RAID 0	Serial Attached SCS...
0	195.824 GB	RAID 5	Serial Attached SCS...
2	446.412 GB	RAID 0	Serial Attached SCS...
3	503.412 GB	RAID 0	Serial Attached SCS...

Manually choose an existing virtual disk and define repository parameters...

Next >

Cancel

Help

Member replication repository members:

Select one or more rows in the table above to display data

Activate Windows

Go to Action Center to activate Windows.

Premium Features:

MD3600i  OptimalSummary Performance **Storage & Copy Services** Host Mappings Hardware Setup

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- hong1 (20.000 GB)
- hong2 (5.000 GB)
- hong3 (20.000 GB)
- Flying_Repl (100.000 GB)
- cavinlinuxlun (10.000 GB)
- chris_hong1 (20.000 GB)
- chris_hong2 (5.000 GB)
- stu2_thin1 (20.000 GB)
- 8 (13.000 GB)
- 9 (130.000 GB)
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- replicaiton100g (100.000 GB)
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- stu5_thin1 (50.000 GB)
- Free Capacity (503.4 GB)
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- Remote Replication Group
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MD3600i - Choose Secondary Parameters (Complete Remote Replicated Pair)

DELL

Choose the secondary virtual disk:

[Why can I not see all of my virtual disks in the table?](#)

Virtual Disks:

Name	Thin Provisioned	Capacity
Flying_Repl	No	100.000 GB
9	No	130.000 GB
replicaiton100g	No	100.000 GB

Choose a repository selection method:

☐ Automatic (Recommended)

Repository settings:

Capacity: 20.000 GB
Disk Group: 0
RAID Level: 5

☒ **Manual (Advanced)**

< Back Next > Cancel Help

Member replication repository members:

Select one or more rows in the table above to display data




Activate Windows

Go to Action Center to activate Windows.

Premium Features: 

Storage Array Storage Copy Services Host Mappings Hardware Monitor Upgrade Help

MD3600i  OptimalSummary Performance **Storage & Copy Services** Host Mappings Hardware Setup


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- Remote Replication Group
- RRG_001

MD3600i - Edit Individual Member Repository (Complete Remote Replicated Pair)

DELL

Select a repository candidate for secondary virtual disk "replicaiton100g".

Specify repository candidate capacity by: ☐ Percentage of source virtual disk capacity:

Percent:
20 % (= 20.000 GB)

☒ Preferred capacity:

Capacity: 60.000 Units: GB (= 60% of source virtual disk capacity)

[How are repository candidates ranked?](#)

Repository candidates:

Ranking	Repository Candidate	Capacity	Difference	Associated Element	RAID	DS Match
1	(New)	60.000 GB	0.000 MB	Disk Grou...	RAID 5	Yes
2	(New)	60.000 GB	0.000 MB	Disk Grou...	RAID 0	No
3	(New)	60.000 GB	0.000 MB	Disk Grou...	RAID 0	No
4	(New)	60.000 GB	0.000 MB	Disk Grou...	RAID 0	No
5	(New)	30.000 GB	-30.000 GB	Disk Grou...	RAID 5	Yes

< Back Finish Cancel Help

Member replication repository members:

Select one or more rows in the table above to display data



Activate Windows

Go to Action Center to activate Windows.

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