Veeam Integration with Data Domain using DDBoost

1. Creating a user on data domain for DDBoost:

```
sysadmin@DDVE-01# user add boostveeam role admin
        Enter new password:
        Re-enter new password:
Passwords matched.
User "boostveeam" added.
sysadmin@DDVE-01#
```

2. Enable DDBoost on the data domain system:

```
sysadmin@DDVE-01# ddboost enable
DD Boost enabled.
sysadmin@DDVE-01#
```

3. Create a storage unit for Veeam Backups on the data domain system and assign the DDBoost user created in previous step:

```
sysadmin@DDVE-01# ddboost storage-unit create veeam-bkp user boostveeam
'Created storage-unit "veeam-bkp" for "boostveeam".
sysadmin@DDVE-01# '
```

4. Start the new backup repository wizard on Veeam and click Next:

New Backup Repository

Name
Type in a name and description for this backup repository.

Name
Type
Server
Repository
Mount Server
Review
Apply

Name:
DataDomainBkp

Description:
Created by VLAB\Administrator at 10/26/2017 5:53 PM.

< Previous   Next >   Finish   Cancel

5. Select the Repository Type as "Deduplicating storage appliance" and click Next:

6. Select the Storage as "Dell EMC Data Domain" and click Next:

7. Enter the data domain FQDN and add the DDBoost username/password under Credentials:

8. Select the storage unit that was created earlier. Make sure the Advanced Settings are suitable for Data Domain storage:

9. Select the mount server and enable vPower NFS service. Click Next:

10. Review the summary screen and click on apply to create a backup repository:

New Backup Repository

Apply
Please wait while backup repository is created and saved in configuration. This may take a few minutes…

Message	Duration
Starting infrastructure item creation job	0:00:01
Discovering installed packages	
Registering client LP01 for package Transport	
Registering client LP01 for package vPower NFS	
Registering client LP01 for package Mount Server	
Discovering installed packages	
All required packages have been successfully installed	
Detecting server configuration	
Reconfiguring vPower NFS service	
Creating configuration database records for installed packages	
Creating database records for repository	
Backup repository has been added successfully	

Name
Type
Deduplicating Storage
DELL EMC Data Domain
Repository
Mount Server
Review
Apply

11. When creating a backup job, it is recommended to select the Compression Level to "Dedupe-friendly" to achieve better De-Duplication:
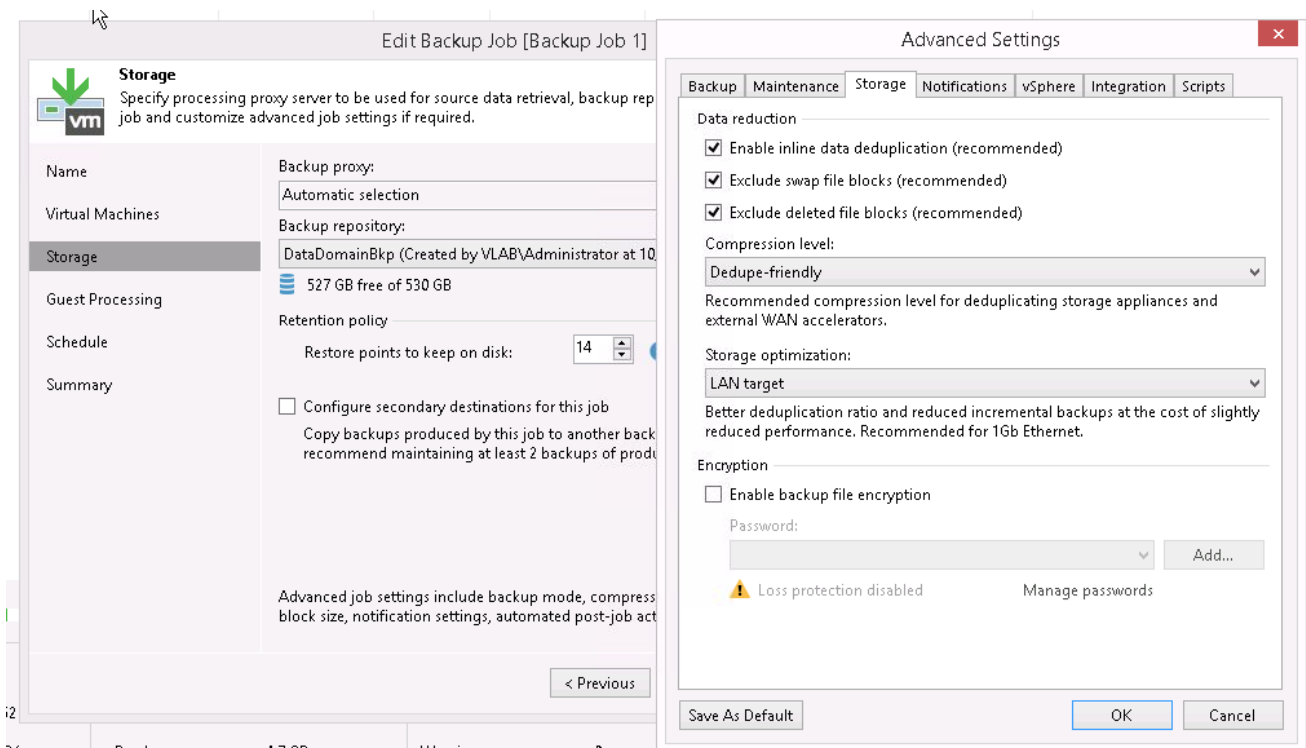
12. Run a test backup job.
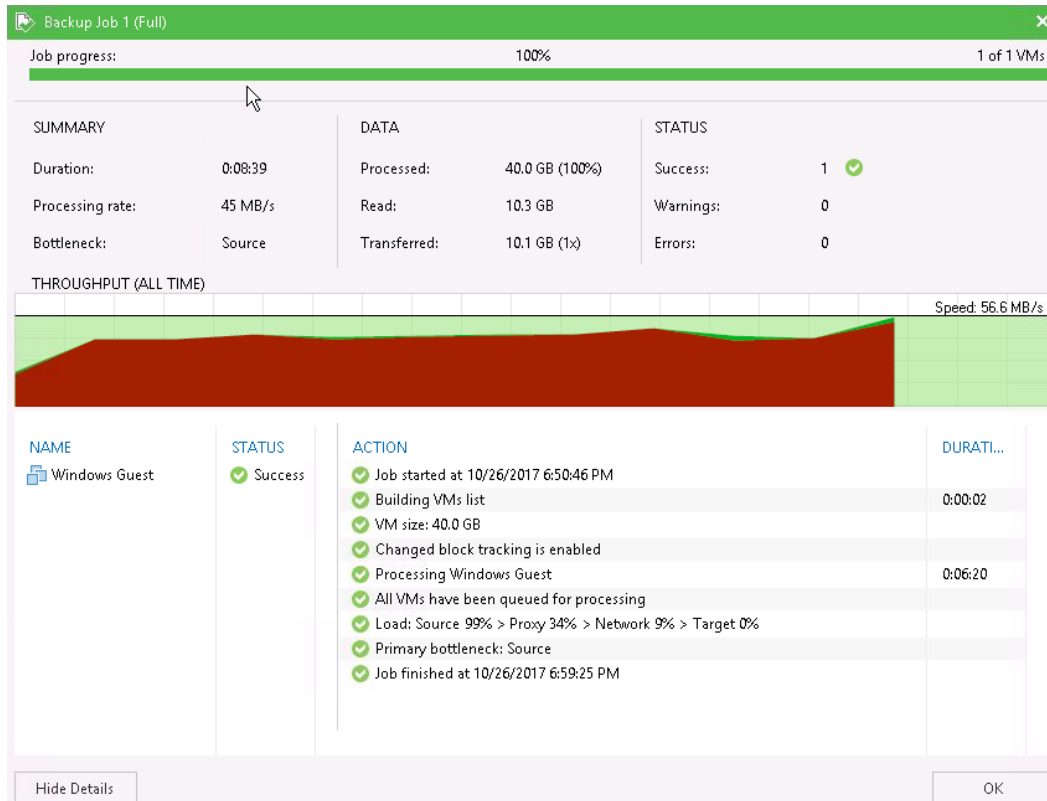
13. Create MTREE replication between the source and destination data domains. The destination MTREE name in our case is /data/col1/veeam-repl.

Veeam Disaster Recovery Testing from DR Data Domain

14. Create MTREE for the fast copy on the DR data domain. We cannot create a storage unit on the destination MTREE on DR DD as it will be in read only mode (with the MTREE replication running):

```
sysadmin@DDVE-02: mtree create /data/col1/veeam-repl-fastcopy
MTree "/data/col1/veeam-repl-fastcopy" created successfully.
Quota soft limit: none, hard limit: none(*)
 (*) Quota Capacity is disabled. Capacity limits not enforced.
```

15. Start a fastcopy from the replicated MTREE to the new MTREE created in previous step:

```
sysadmin@DDVE-02: filesys fastcopy source /data/col1/veeam-repl destination /data/col1/veeam-repl-fastcopy

Destination "/data/col1/veeam-repl-fastcopy" already exists.
Proceeding will overwrite its content with "/data/col1/veeam-repl".
        Are you sure? (yes|no) [no]: yes

ok, proceeding.

Creating snapshot "FASTCOPY-2017-10-26-19-14-48" with one-hour retention period...done
Use this snapshot to recover in case of a mistake.

Fastcopy status: fastcopy /data/col1/veeam-repl to /data/col1/veeam-repl-fastcopy: copied 2 files, 1 directory in 0.01 seconds
sysadmin@DDVE-01#
```

16. Create a storage unit for the fastcopy MTREE:

```
sysadmin@DDVE-02: ddboost storage-unit modify veeam-repl-fastcopy user boostveeam
Storage-unit "veeam-repl-fastcopy" modified for user "boostveeam".
```

17. Create a repository on the DR datadomain:

18. The process of creating the repository on the DR Veeam is similar. Few things to keep in mind
    - Select the fastcopy storage unit that was created.
    - Select the option to "Import existing backups automatically".
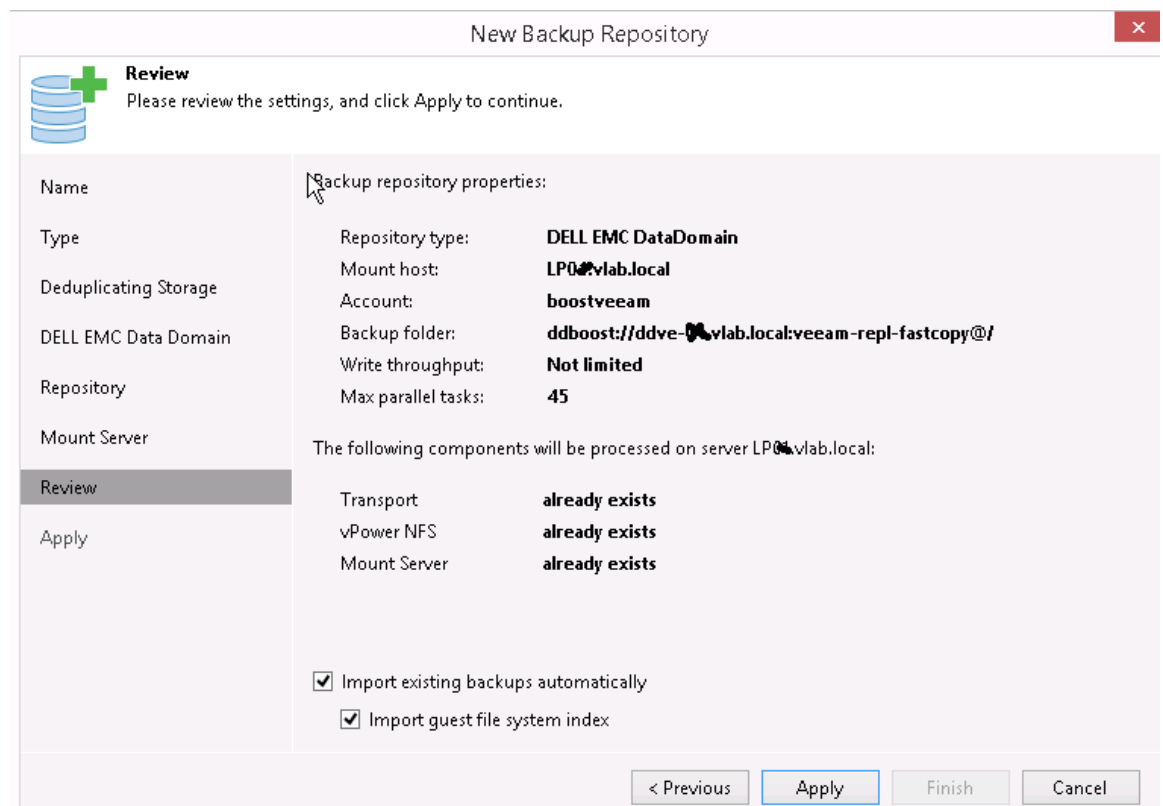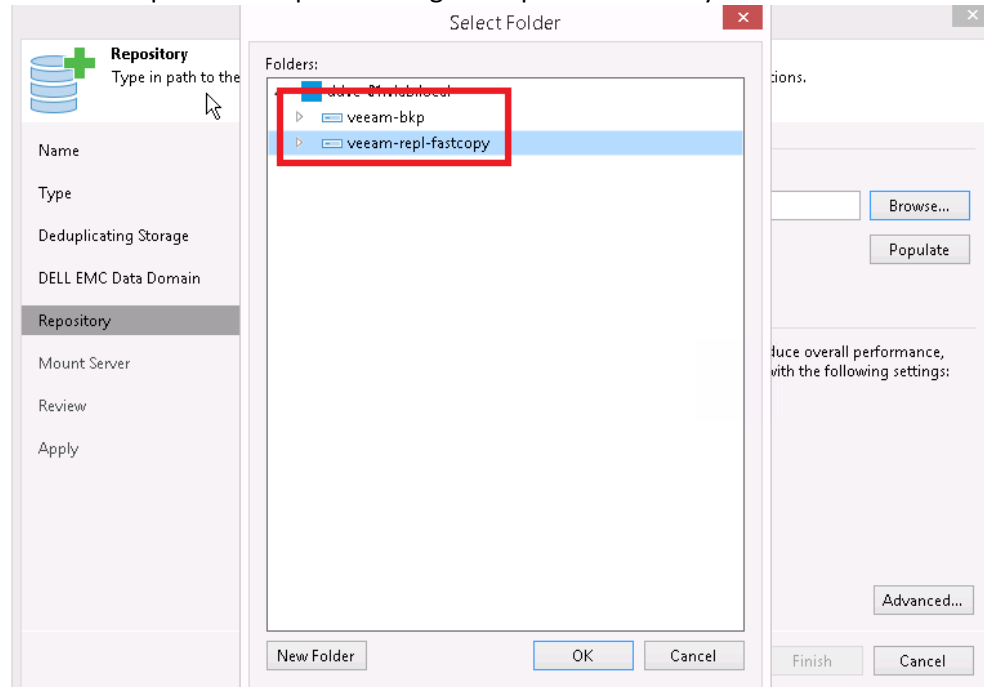
19. Now you should be able to perform a restore from the DR Veeam.

JOB NAME ↑	CREATION TIME	RESTORE POINTS	REPOSITORY	PLATFORM
▲ Backup Job 1	10/26/2017 6:51 PM		DRDataDomainRepo	VMware
Windows Guest	10/26/2017 6:52 PM	1		