Table P-13   Remote Agent with Direct Access properties

Item	Description
Server	Indicates the name of the computer that you want to add as a Remote Agent with Direct Access.
Port	Indicates the port to use for communications between the media server and the remote computer.
Description	Displays a user-defined description of the remote agent.
Enable ICMP ping operations for Backup Exec to detect the server	Lets the media server use ICMP ping to locate the remote computer.
Logon account	Indicates the logon account that is required to access the remote computer.

About backup jobs for deduplication

You set up a backup job for deduplication in the same way as you set up a regular backup job. When you select either an OpenStorage device or a deduplication storage folder as the destination device, then deduplication occurs when the job runs. Optionally, if you want the remote agent to have direct access to the device, you can select the option for Direct Access. No other additional options are necessary to create a backup job for deduplication.

See "About Direct Access" on page 1530.

About optimized duplication

Backup Exec supports optimized duplication, which enables deduplicated data to be copied directly from one OpenStorage device to another OpenStorage device from the same vendor. For example, you can copy data from one Symantec PureDisk device to another Symantec PureDisk device. If you use the Central Admin Server Option, you can also copy data from a deduplication storage folder on a managed media server to a deduplication storage folder on another managed media server. The data is copied over the network, thereby avoiding the Backup Exec media server. Because the data is deduplicated, only unique data is copied between the devices.

> **Note:** Optimized duplication is not available for backup sets that are enabled for Granular Recovery Technology.

Optimized duplication is available for OpenStorage devices from selected vendors. You can find a list of compatible devices at the following URL:

http://entsupport.symantec.com/umi/V-269-2

To copy data between OpenStorage devices, you must create a duplicate backup job. The destination device for the duplicate job must be the same type of device from the same vendor as the device that was used in the source backup job. You can restore data from either device.

See "Setting up optimized duplication" on page 1536.

Setting up optimized duplication

Optimized duplication enables deduplicated data to be copied directly from one OpenStorage device to another OpenStorage device from the same vendor. You can also copy data from one deduplication storage folder to another deduplication storage folder.

See "About optimized duplication" on page 1535.

You set up a duplicate backup job to perform optimized duplication.

Table P-14 How to set up optimized duplication

Step	For more information
Create a backup job that uses an OpenStorage device or a deduplication storage folder as the destination.	See "Creating a backup job by setting job properties" on page 320.
Create a duplicate backup job and select the appropriate OpenStorage device or deduplication storage folder as the destination. **Note:** The destination device for the duplicate job must be the same type of device from the same vendor as the device that was used in the source backup job.	See "Duplicating backed up data" on page 357.

About copying deduplicated data to tapes

Backup Exec lets you copy deduplicated data from an OpenStorage device to tape for long-term or off-site storage. When data is copied to tape, it is rehydrated. In other words, the files are reassembled into their original form and are not deduplicated.

To copy deduplicated data to tapes, you must create a duplicate backup job that copies the backup sets from the OpenStorage device to a tape device.

See "Duplicating backed up data" on page 357.

About using deduplication with encryption

You should not use the Backup Exec encryption options for backup jobs that deduplicate data. Data cannot be deduplicated when it is encrypted.

About restoring deduplicated data

You set up a restore job to restore deduplicated data in the same way as you set up a regular restore job. No additional settings are required.

About disaster recovery of deduplication storage folders

A deduplication storage folder is stored on the Backup Exec media server. If your media server experiences a disaster, then the data from the deduplication storage folder is lost. Therefore, you should take steps to prepare for recovery from a system failure. To prepare for a disaster, Backup Exec lets you take a snapshot of a deduplication storage folder. The snapshot includes the folder, the contents of the folder, and the associated database for the folder. You can store the snapshot on tape, which you can then use to recover your deduplication storage folder after a disaster.

When you restore data from the snapshot, the following processes occur:

■ Backup Exec stops the deduplication services if they are running. The deduplication services are separate from the Backup Exec services, so the Backup Exec services are not affected.

■ Backup Exec deletes any files that are present in the deduplication storage folder and in the associated database.