

## VDR LE

VDR LE was developed especially to allow companies to take full advantage of the performance increases and cost improvements available from tapeless VTL technology such as IBM's TS7720, EMC's DLM or Bus-Tech's MDL while ensuring data recoverability. The risk of lost data due to a DASD failure is absolute when using DASD integrated into a tapeless VTL.

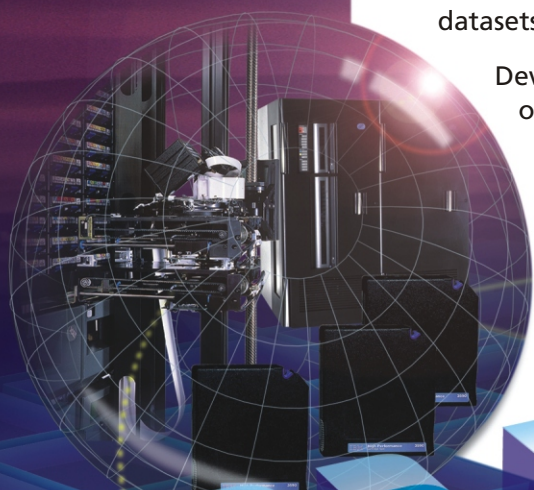
The advantages provided by tapeless VTL technology do not come without a potential risk of data loss due to DASD or unit failure. There is no tape back store from which to recover data lost as a result of a tapeless VTL DASD failure or a corruption of the data file. VDR LE provides a DR copy of the data to ensure recoverability in the event of a disaster. The DR copy also ensures total vendor independence and total portability. A DR copy is likely to be the least expensive component of your entire DR strategy and one you can depend upon to recover your business.

VDR LE offers some of the same features and benefits available from VDR but is uniquely tailored to achieve the price/performance value expected by companies investing in tapeless VTL.

For example, VDR LE is completely transparent and does not require any application changes or JCL changes to backup or recover virtual data. VDR LE makes duplicate copies of the virtual datasets and intelligently stacks them onto high density tape. The original dataset is still available to applications while the duplicate is safely offsite to ensure recoverability. At recovery, VDR LE automatically adjusts the ICF catalog so z/OS and the applications can access the datasets without any JCL changes.

Device and vendor independence as well as portability are major benefits of using VDR LE. VDR LE stacks data in native format so it can be read in place on a native tape drive by the application or the data can be restored to any vendor's VTL (tapeless or tape based), ATL or native tape. And, because the data is on tape it can be easily transported to an alternate recovery site should the primary site be unavailable for any reason.

VDR LE is an automated process for creating and recovering backups of virtual tape backup data and storing the backups to any local or remote tape device. VDR LE will also provide automated data recovery capabilities regardless of where the back-ups are located.



# VDR LE

## Key Features

- Ensure that data written to a tapeless VTL can be recovered in case of a VTL unit or DASD failure locally or at a recovery site.
- No VTL required at the recovery site. VDR LE backups are created on native media in a nonproprietary format and can be read directly by applications or restored to other media.
- Easily set up to replicate any data that has changed or selectively chosen by DSN mask.
- Reduce vaulted media and handling costs by stacking the backups to high density media.
- Exploit your tapeless VTL by directing application backups to the tapeless VTL.

## Which virtual tape datasets to back up?

VDR LE can select virtual dataset candidates within the Tapeless VTL and limit the backups using a number of criteria including dataset name or dataset name prefix and Volser range or pattern or make a copy of "any new or changed dataset".

## Duplex backup copies

VDR LE allows you to create one or two backups of the selected original datasets. One copy can be kept in the vault, and the other onsite for local recovery. Or both backups can be sent to separate vaults for safekeeping.

## Continuous auditing

VDR LE establishes a relationship between the original dataset and any backup copies created by VDR LE for that dataset. VDR LE monitors this relationship to ensure that all targeted datasets have a matching backup, and recognizes when an original dataset has expired so that the matching backup dataset can be expired as well.

## Reduce backup window

Creating backups into your virtual tape library reduces the overall backup window. Multiple VDR LE backup jobs can be run simultaneously to ensure that your virtual tape data is backed up within the available window. VDR LE backup jobs are only limited by the number of native tape output devices available. Because the VDR LE jobs can be managed by your job scheduling software, the entire backup process is automated and fast.

## VDR LE media recycling

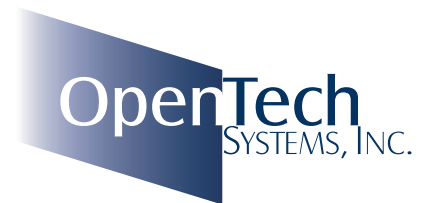
VDR LE recycles under utilized tape media without the risk of first returning the backup media to the data center. Using the unexpired virtual datasets and newly created original virtual datasets VDR LE will create a new, fully utilized backup tape and send it to the vault. The under utilized tape is then expired and returned from the vault.

## Robust recovery options

VDR LE data recovery and restoration is fast, efficient and automatic. It recovers data by restoring from the primary or duplexed backup media (which requires no data movement) or copying the backup datasets to another virtual tape library, ATL or other tape media.

---

OpenTech Systems Inc. was founded in 1994 to design, develop and market industry leading software solutions for IBM mainframe centric data centers and is dedicated to excellence in products, service and support. Specializing in Disaster Recovery, Tape Storage Management, Application Performance Enhancement and Data Security solutions for OS/390 and z/OS, OpenTech Systems is the vendor of choice for Fortune 1000 companies focused on ensuring business continuity, increasing operating efficiency and improving data security. OpenTech's partners include leading storage suppliers and IT outsourcers as well as premier resellers around the world.



405 State Highway 121  
Building C, Suite 130  
Lewisville, Texas 75067  
800.460.3011  
469.635.1500 outside North America  
[www.opentechsystems.com](http://www.opentechsystems.com)  
[info@opentechsystems.com](mailto:info@opentechsystems.com)