



Data Deduplication

OPTIMIZING YOUR BACKUP STORAGE FOR INCREASED DATA PROTECTION

Data Protection is everyone's responsibility

The Challenge

The challenge of managing primary storage which is growing at 50-100% per year is further exacerbated by the growth of secondary data copies, which can be growing at 12 times these rates! Eliminating redundant data is simply a smart approach. The challenge is that your IT budgets are declining and you have to find a way to keep multiple copies of your backup data readily and rapidly accessible in the event of a disaster or disruption. The ability to recover lost files or data bases from a week earlier without the lengthy process of restoring from tape.

Improperly defined RPO's (Recovery Point Objectives): How do you get to the next level of data protection? You need to insure your data is backed up and available when you need it. This can be accomplished with traditional backups to tape or disk-to-disk, but you still have to worry about backup windows, performance, and interference with production data.

NET Source Solutions

NET Source offers easy-to-deploy, easy-to-manage capacity-optimized storage data deduplication solutions. NET Source helps you minimize online storage capacity requirements for backup and archiving applications. Capacity requirements for disk-to-disk (D2D) backup applications can be reduced by as much as 20 times or more by eliminating data redundancies resulting from backup operations. With our solutions you can retain more data online, longer, for quicker data restores.

In addition, NET Source's flexible deduplication and VTL (Virtual Tape Libraries) solutions integrate easily into your backup processes. Whether you currently back up to tape or to disk, we can provide you with the right interface to fit your environment. We have deduplication and VTL products that emulates most popular tape libraries and tape formats which can be accessed over Fibre Channel, iSCSI or CIFS / NFS mounts. Multiple deployment models enable scalability from the smallest business or branch office to the largest enterprise data center.

Data deduplication enables cost-effective protection, retention and recovery of critical data for single item to full site Disaster Recovery needs.



NET Source has targeted solutions to address the special needs of remote offices environments with limited local resources and bandwidth challenges. Automated protection policies can drive dual, deduplicated copies in the same job to provide local, rapid recovery and centralized, longer-term cost-effective retention.

- **Eliminate data redundancies and reduce storage capacity requirements**
By eliminating data duplicates resulting from backup and archiving operations, we can reduce disk capacity requirements by as much as 20 times or more. This shrinks overall backup costs and allows you to retain more data readily available on disk resources for faster restore.
- **More reliable backups, faster restores**
Backup to disk provides a more reliable backup solution; backup images can be easily validated to ensure data consistency.
- **Low-cost DR**
Enabled with global deduplication, most our products replicates only unique data across sites. WAN traffic is optimized and bandwidth requirements can be reduced by as much as 99%. Remote site tape libraries and media can be eliminated, ending the costs and security risks associated with physical tape transport.
- **Eliminates reliance on tape and backups**
Leave cumbersome, costly tape backup solutions behind entirely, or centralize tape backup operations at the data center for long-term data retention.

NET Source also provides traditional backup and restoration technologies for tape, VTL and disk-to-disk.

Technology Close-up

NET Source partners with the leaders in the Data Deduplication and Backup & Recovery industry to provide best of breed backup & recovery solutions. Our products scale from the SMB market to the largest enterprise environments. We can provide simple backup and restoration with or without data deduplication to full up, or to the second Business Continuation for your most critical application.

NET Source can deliver a unified disk-to-disk and tape-based data protection solution that can incorporate and integrate into your environment the following:

NET Source

- Eliminates failed data backup and recovery
- Greatly reduces your backup window
- Works with your existing backup applications
- Easy to install, use and manage
- Highly scalable architectures so performance is maintained as data grows
- Create offsite tape copies
- Fast file and system restores
- Redundancy to reduce down time
- Offsite systems to replace offsite tape
- WAN efficient replication to keep an offsite site system up to date with minimal bandwidth
- Reduced physical storage required providing efficient usage of disks for backups
- Easy to manage, configure, and integrate into existing backup environments
- Integration with Oracle, SQL, Exchange, Virtualization (VMware)
- Provides data deduplication efficiency reports and Status Report, which display the estimated savings of backup space
- Optimization features, for better throughputs and decreased CPU usage
- Rapid ROI to help save money immediately

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