

DR/Xpert®

Automating Business Recovery through Best Practices

Disaster Recovery Assurance through Automation

Managing business recovery shouldn't be a manual and all-consuming task. The time and effort expended by personnel to ensure critical data is identified and then to properly process the critical data for compliance, vaulting or mirroring reasons is costly and inefficient. **OpenTech Systems' DR/Xpert ensures consistent recovery – automatically – with minimal administration by your staff.**

The Challenges

- Can you identify all your critical data effectively and in a timely manner?
- Can you automatically recover to a select recovery date?
- Can you prioritize your application recovery to meet your SLA?
- Can you quickly and easily implement DR processes for new work loads?
- Most importantly, do you have the resources and time to maintain the necessary processes to provide a positive response to these questions at all times?

Technology has moved forward , but the task of business recovery remains largely an intensive manual process that includes the identification of critical data, dealing with exceptions, managing resources, ensuring numerous compliance requirements are met, and securing the data. In addition, there are fewer subject matter experts today and those resources are spread thin with their many other job requirements.

The Automated Solution

DR/Xpert provides the most comprehensive automation and security for your critical application disaster recovery needs of any solution in the industry.

Whether recovering a single application, or all of your applications, DR/Xpert help you achieve your Recovery Point Objective (RPO) automatically – without assembling a number of your Subject Matter Experts at the recovery site to piece together “fuzzy” backups into a timely recovery.

Key Benefits

- Identifies DASD and tape-based critical files
- Identifies Online vs. Batch files
- Graphical User Interface
- Real-Time monitor
- Mirroring support
- Automatic Load balancing
- Reduced number of backup tapes
- Duplexed backups
- Multiple recovery points

Automatic and Accurate Data Identification

Identification of critical data is one of the most important tasks in the business recovery process. The challenge is determining what data is truly critical. Multiple sources of information are necessary in order to ensure that nothing is missed. Researching this information is time consuming and error-prone; DR/Xpert is the automated solution.

DR/Xpert collects information from SMF, JCL libraries, and the production job scheduler. It then analyzes this information, performs a critical path analysis and then creates the critical file list from which backups are made.

Tape Data Inclusion

Not all critical data resides on disk. DR/Xpert identifies critical tape data, whether on virtual or physical tape, and includes it for backup to provide the most complete set of data for recovery

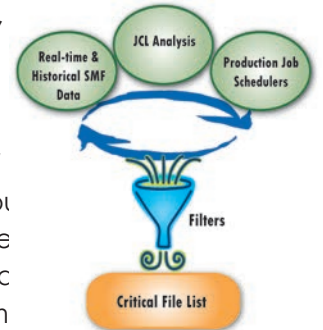
Automate Change Management

Applications, jobs, and data sets are added, modified, or removed on a regular basis. DR/Xpert continually monitors for change so that the critical data list is always up-to-date without intervention. Backups are adjusted, if necessary, so that no critical data is missed.

Flexible Filtering

DR/Xpert's powerful filters provide you with the ability to group or segregate data based on your needs: by company, division, line of business, LPAR or application.

Exclude or include data based on your criteria. DR/Xpert's flexible filters allow you to monitor and effectively manage data so that bandwidth and mirroring benefits are maximized, and critical data on virtual tape is backed up to physical tape.



DR/Xpert GUI



- Drill down through your applications, jobs, and datasets using a standard browser.
- Quickly identify critical data and the reason it is critical.
- Validate your recovery objectives using the Recovery Simulator.
- Monitor backup and recovery progress in Real-Time

Mirroring Support

DR/Xpert identifies which critical data sets are mirrored and which are not giving the user the information necessary to ensure that all critical data is mirrored. Ensuring that critical data sets are mirrored ensures recoverability while not mirroring non-critical data sets save time and money in both the backup and recovery process.

Streamlined Backup Process

Time is money. DR/Xpert streamlines your backup processes by eliminating redundant backups and utilizing intelligent tape stacking methodologies, saving time while lowering media costs. In addition, DR/Xpert generates the backup and recovery JCL automatically, ensuring that the JCL is correct and error-free, saving your staff valuable time because they no longer have to create or modify backup JCL. And because DR/Xpert dynamically tracks all business recovery backups and maintains its own database and backup history, your personnel no longer need to manage these functions.

“Anytime” Backup Window

DR/Xpert dynamically works with the installed job scheduling system so that backups are seamlessly inserted into the daily processing schedule. This built in automation makes sure that backups



execute based on desired tape utilization or the amount of data available for backup and minimizes backup window issues. By backing up data when it is available, device contention is reduced and tape devices are utilized more efficiently during the processing day. The backup window becomes “anytime.”

Migrated Dataset Backup

A restriction of the DFSMSdss backup process is that DSS cannot be used to process datasets migrated by DFSMSHsm. DR/Xpert resolves this by automatically recalling migrated critical datasets, so that they are residing on primary DASD and available for backup

Offsite Data Protection

DR/Xpert allows you to selectively encrypt your sensitive data during the backup process using our integrated CopyCrypt encryption feature.

CopyCrypt supports the use of both software encryption, using technology compliant with Federal Information Processing Standards (FIPS), and hardware encryption, by interfacing with an IBM mainframe Cryptographic Coprocessor. CopyCrypt also offers two key management options: IBM ICSF key database or CopyCrypt key database.

Comprehensive Reporting

DR/Xpert provides comprehensive reports that helps your staff manage and understand your critical data and applications. Because the reports and a graphical interface are managed by DR/Xpert, your staff can quickly and easily locate them. In addition, a query function is provided so that your staff can learn why data sets are critical, or why they are not.

Efficient, Automatic Recovery

The key to fast recovery is preparation and automation. DR/Xpert's internal database contains all the information necessary to recover your critical data in a quick, efficient manner. To save time and effort at the recovery site, DR/Xpert builds recovery JCL when the data is backed up, and uses intelligent stacking when creating the backup tapes to prevent device contention during recovery. DR/Xpert tracks and reports on all recovery processes, so you know exactly what was recovered and when. It also updates its internal databases so that when it's time to go back to the home site, your critical data is accounted for.

Virtual Tape Support

DR/Xpert provides additional backup and recovery options to Tape/Copy VDR users. DR/Xpert DASD file backups can be directed to a virtual tape library where VDR is then used to backup those files, making duplex copies if desired. DR/Xpert's VDR interface allows the files to be recovered directly to DASD, without performing an intermediate VDR recovery first. Alternatively, VDR can be used to recover the files back into the VTL so that they are readily available for DR/Xpert recovery processing. Using DR/Xpert and VDR together in this

capacity allows you to exploit the benefits of using the VTL, such as reduced backup window and reduced media costs, without sacrificing critical recovery time.

Automate System Recovery Management

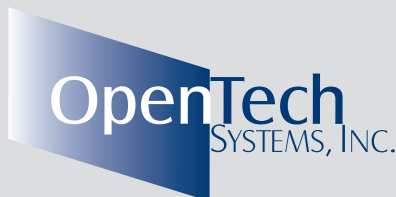
In addition to automating the identification, backup, and recovery of your critical application data, having a seamless method for ensuring recoverability of your system data is equally important.

DASD Backup Supervisor (DBS) complements DR/Xpert and incorporates years of experience and industry best practices to provide the most advanced system data backup and recovery solution of its kind in the industry. DBS is able to quickly recover system volumes, even without the system catalog or an active tape management system, making DBS the ideal choice for initial DASD restores in a D/R scenario. For more information on DBS, see our DBS brochure at: www.opentechsystems.com/dbs

Technically Speaking ...

DR/Xpert's unique JCL scanning technology will identify all datasets in a concatenation list, including datasets in the JCL that are never opened or referenced by the application but that are required for the application to execute successfully, and will resolve symbolic substitutions. DR/Xpert's path analysis will identify start and end jobs, as well as cross-application files. Accesses to VSAM files via a path name is resolved so that the entire sphere is captured, ensuring that all components (cluster, data, index, alternate indices and paths) are backed up without manual research or intervention. DR/Xpert supports all of the following utilities ABARS, DMS, DSS, FAVER, FDR, and Tape/Copy.

Contact us today for a free trial or more information.



OpenTech Systems, Inc.
405 State Hwy 121 , Building C, Suite 130, Lewisville, TX 75067-4182
800 460 3011 • 469 635 1500 • 469 635 1507 (fax)
Email: sales@opentechsystems.com
Website: www.opentechsystems.com