IS YOUR DATA BOTH SAFE AND SECURE?

The $4.00 cooling fan quits and the hard drive fails. The salesman you just fired decides to take last your last backup tape (with your client info) to his next job. The flood finally reached the high ground. Lightning <u>does</u> decide to strike twice. The hacker finally made it through the firewall. It's not about stability, its about the fact that **anything <u>can</u> happen**.

All businesses with computer systems should have a disaster recovery plan in place that includes **secure** off-site system backups, contingency plans to replace hardware, and a means of getting back up and running quickly.

Microlite Corporation recognized this long ago. Incorporated in 1983, we've been developing, refining and providing reliable backup and bare metal disaster recovery solutions to the UNIX marketplace since 1987. We began serving the Linux community in 1998, becoming the first company to ship a commercial disaster recovery solution in that marketplace in April of 1999.

BackupEDGE™ 2.0 is our latest and most powerful product. Far more than simply "backup software", it is a fully integrated data archiving, verification, restoration and recovery solution for UNIX and Linux systems. It provides the basis for the data storage, diagnostics, logging and notification portions of a complete disaster recovery plan.

Customer data privacy has become a big issue in business, as well as healthcare and government. It doesn't matter how secure you've made your computer system and network if someone can just walk of with one your backups and read your confidential and privileged information.

BackupEDGE 2.0 incorporates a fully integrated, highly secure **data encryption system** and a multi-level key management strategy designed to ensure that system impact is minimized while allowing only authorized personnel to retrieve archived data. (Encryption is a licensed option.)

BackupEDGE 2.0 has capabilities that go far beyond writing and reading simple archives:

- It can detect, interact with, and take advantage of the capabilities of today's most advanced storage devices, including tape, CD-R/RW, DVD-RAM, DVD-RW, DVD-R, DVD+R DVD+RW and REV™ drives, as well as autochangers and libraries.

- It has an enhanced, standards-based data storage format with enhanced verification and virtually unlimited pathnames

- It allows the user to create either simple or highly sophisticated backup plans and schedules.

- It can perform bare-metal disaster recovery with the greatest of ease.

- Its advanced architecture allows it to grow easily to support new storage types.

Maximize the capabilities of your storage equipment investment with *BackupEDGE 2.0.*

MICROLITE

BackupEDGE 2.0

Exceptional Backup and Disaster Recovery Software for UNIX® and Linux® Systems.
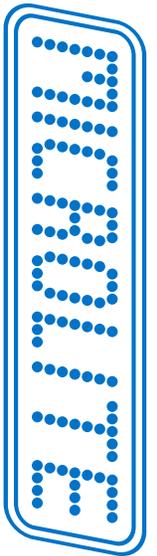
KEY FEATURES AND BENEFITS

BACKUP/VERIFY/RESTORE

User Interface
The user interface renders itself in one of three ways:
- As a Java™ Interface on an X11 Desktop.
- As a Web Services Interface to any PC with a Java-enabled browser.
- As a standard character interface.

All functions work identically in both character and graphical mode. Custom themes and colors may be designed.

Installation
An *Installation Wizard* detects and configures tape drives, libraries, autochangers, CD, DVD and REV drives automatically. A default backup schedule (full system backup) is created. A scan for virtual/sparse files may be performed.

Enhanced Data Format
The data format is standards-based and extensible. It archives all UNIX and Linux file types, and has a 5,000 character pathname limit, providing more flexibility than the 99 to 1024 character limits that restrict most other products.

Flexible Scheduler
Domains are "things to be protected". The default *Domain* is "the entire system". Additional *Domains* may be created for purpose-built backups. Examples might be "the accounting system" or "the source code directories". *Domains* can define before and after backup "actions", files/directories to be excluded, and more. Our *Scheduler* allows easy creation and protection of multiple *Domains*.

Multiple Backup Types
Master Backups (backup everything), *Differential Backups* (backup everything since the last *Master Backup*) and *Incremental Backups* (backup everything since the last *Differential Backup* or last *Incremental Backup*) are all supported.

Strong Encryption Option
BackupEDGE 2.0 uses 256 bit AES data encryption to secure your data. Each archive has its own randomly generated encryption key, which itself is encrypted and protected by a 2048 bit public/private key pair. You may choose to encrypt either selected critical files, or entire archives if you wish. Full integration ensures that no other product functionality is lost when using encryption.

Powerful Compression
Backups to optical media and legacy or low-priced tape drives place special demands on backup software. *BackupEDGE 2.0* has powerful ZLIB based compression capable of storing far more data per archive than competing products. Fully integrated, including with encryption, it is even beneficial when using devices with hardware compression.

TapeAlert™ Support
Many tape drives support the industry standard *TapeAlert* diagnostics system. *BackupEDGE 2.0* detects and reports *TapeAlert* messages, allowing device and media errors to be dealt with **before** any critical data is lost.

Fast File Restore™ / Instant File Restore™
Files and directories may be restored at maximum possible speed, as *BackupEDGE 2.0* can directly manipulate tape devices with *Quick File Access* capabilities, or CD, DVD and REV devices with direct access commands, to provide the industry's fastest available one-pass restores.

Archive Verification
An un-verified backup is not a backup at all. *BackupEDGE 2.0* combines full file checksum verification (can be done anytime) with the ability to do a byte-by-byte comparison between archived files and original files, ensuring that your archived data will be there when you really need it.

DISASTER RECOVERY

Theory
On supported platforms, *BackupEDGE 2.0* comes bundled with *RecoverEDGE™*, our bare-metal disaster recovery component. *RecoverEDGE* allows a system to be recovered from a hard disk failure or other catastrophic data loss without having to re-install the operating system, add device drivers, etc. Simply boot from the media (created on *your system* with *your kernel* and *your system configuration*) into the *RecoverEDGE* disaster recovery menu system and automatically (or manually if desired) configure your hard drives and restore data from your last backup. Fully supports restores from encrypted archives.

Boot Media Choices
BackupEDGE 2.0 can create boot media on floppy diskettes, CD, DVD and REV media. These work directly with your system backups to recover systems.

Bootable Backups
You may also create nightly system backups which are fully bootable for disaster recovery on CD, DVD and REV media. If your tape device supports *OBDR™* or *DRTape™*, you may also make bootable nightly backup tapes.

Remote Recovery
Boot media contain a full *network stack* and *modem support*. This means that if the local user can simply boot into the *RecoverEDGE* menu, an administrator can telnet or modem into the system from anywhere in the world to perform a recovery.

Recovery From Network Backups
Complementing the remote backup capabilities of *BackupEDGE 2.0*, *RecoverEDGE* can restore from network backups, providing a complete backup and recovery solution for systems without attached storage, such as rackmount servers and notebook computers.

†*BackupEDGE 2.0* is available for a variety of UNIX and Linux systems. Please check the Microlite Corporation web site for current platform availability and device compatibility.