



SUNGARD VAULTING

Backup and Recovery Solution

For reliable business protection, bridge the gap between backup and recovery

Many organizations are painfully aware that simply backing up their data doesn't provide effective business protection. Despite effort spent on daily backups, they may not be able to quickly restore lost data or recover systems in case of an outage. Moreover, they often lack answers to basic questions of business continuity:

- What's the business cost of being down for 24 to 48 hours or longer — in terms of lost sales, productivity, and customer loyalty?
- How is my business protected against the potential for operator error or failure during manual backup procedures — or against loss if backup media aren't securely stored off-site?
- How can centralized IT departments be certain that daily backups are properly executed in remote offices if they lack staff?

Backup is not recovery. Businesses often have no way of knowing whether 100% of their business-critical data is backed up until it's too late — when they try to recover the data following an outage. Consider: The majority of IT managers surveyed* agreed that manual backup systems using traditional media are inadequate, with 64% citing human error and technology failure risks. Reflecting a lack of confidence in recoverability, 30% of IT managers gave their companies a grade of "C" or lower for ability to access critical information quickly after an unplanned outage.

While the need for improved backup and recovery capabilities is clear, many organizations lack staff and budget to implement. They are looking for solutions that reduce their risk of data loss and downtime — and help to cut costs and simplify the process.

SunGard Vaulting — advanced online disk technology for reliability and efficiency

- Storage vault location in SunGard's industry-leading recovery centers provides direct access to a full suite of services, including partially- or fully-managed recovery and testing performed by our expert operations staff.
- E-mail notification of backup success eliminates uncertainty.
- Web console allows easy backup scheduling, monitoring, and reporting.

Higher availability

- Enhanced data availability and uptime.
 - Storage in secure, off-site vault permits immediate data access via WAN connection. Optional on-site storage appliance permits faster operational data restoration at LAN speeds.
- Faster recovery time objectives (RTO) for mission-critical applications.
 - IT department can shorten recovery point objectives (RPO) to minimize data losses by scheduling more frequent online backups.

Reduced risk

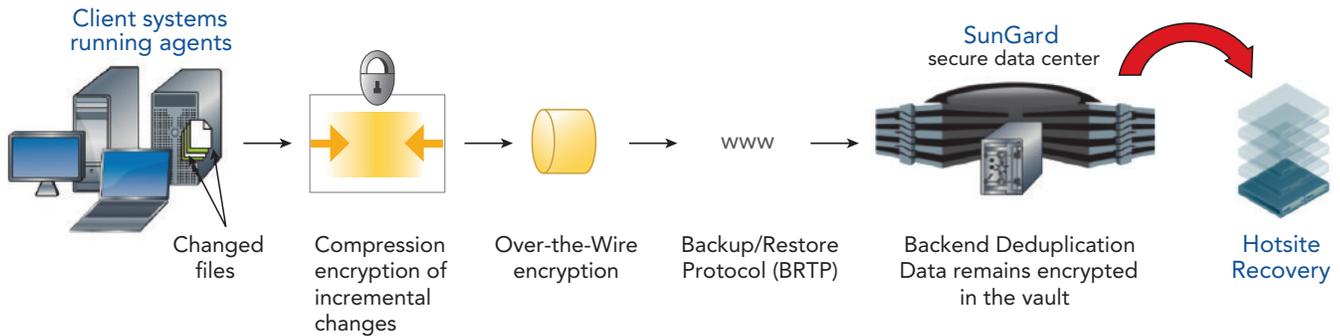
- Lower risk of operator error by eliminating manual intervention in backup process.
- Off-site storage in geographically diverse and highly resilient facility.
- Access to expertise, including fully-managed recovery and testing services.
- Data security and integrity with encryption in-transit and at rest to support audit and regulatory compliance.

Lower total cost of ownership, reduced time and effort spent on backup and recovery

- Lower costs by avoiding capital and operating expenditures for hardware and recovery facility. SunGard can save customers 45% to 70% of the cost of using their own equipment and facilities, depending on the volume of data stored.
- Reduced or eliminated overhead costs for traditional backup media, including staff time and effort. Promotes a more efficient, tiered recovery strategy using online disk for operational backup and recovery, shifting traditional media to long-term archive retention.

* Harris Interactive study commissioned by SunGard Availability Services, State of Disaster Recovery, February, 2009 (based on responses from 220 IT managers).

SunGard increases reliability by automating the backup process and providing direct access to hotsite recovery.



SunGard Vaulting with EVault is ideal for:

Small and medium businesses	Large enterprises
<ul style="list-style-type: none"> • Having difficulty backing up critical data • Lacking off-site storage and access to a secure recovery facility • Seeking improved availability and faster RTO to retain customers and/or address compliance requirements • Seeking to reduce overhead costs and redirect staff to value-added business support 	<ul style="list-style-type: none"> • With multiple remote offices lacking staff or equipment for reliable backup and recovery • Seeking to avoid overhead costs and risks related to traditional media — such as backup failure, data loss, and lack of encryption for security

SunGard also offers specialized expertise to help organizations accelerate recovery, document testing and restoration success for compliance audits, and redirect internal resources. **Managed Recovery Services** include recovery planning, scripts and procedures development and maintenance, fully-managed testing and recovery, and post-test reporting.

To help ensure a strong foundation for business continuity, SunGard consultants can help organizations assess risks and develop plans, or optimize their storage and data center footprint.

Recover2CloudSM for Vaulting

Recover2Cloud for Vaulting is a service addition that provides managed recovery of data and applications protected with SunGard Vaulting with EVault. As a fully managed cloud-based solution, Recover2Cloud for Vaulting provides a fast and comprehensive return to normal operations following a disaster. With a recovery time objective (RTO) of less than 24 hours, Recover2Cloud for Vaulting is designed to give you secure, remote access to recovered applications and data during both a disaster and functional testing. Best of all, Recover2Cloud for Vaulting can help reduce your total cost of ownership (TCO) by 25% or more compared to an in-house solution.

About SunGard Availability Services

SunGard Availability Services provides disaster recovery, managed IT, information availability consulting services, and business continuity management software to over 9,000 customers in North America and Europe.

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