

The SunGard logo is displayed in white, bold, uppercase letters on a black rectangular background. To the left of the logo is a photograph of a server room with rows of server racks and a person in the background. To the right of the logo is a teal background with the text 'SECURE2DISK' and 'Backup and Recovery Solution powered by Data Domain®'. On the far right of the header is a vertical bar composed of several thin, parallel lines in various colors including blue, green, yellow, and orange.

SECURE2DISK

Backup and Recovery Solution
powered by Data Domain®

Reduce risk and cost-effectively minimize downtime and data loss — SunGard integrates advanced backup technology and recovery capabilities for higher availability.

Secure2DiskSM powered by Data Domain® — best-in-class technology, expertise and efficiency

SunGard's Secure2DiskSM powered by Data Domain solution offers the potential for dramatic improvement in your application and data availability. Our online, disk-based approach integrates industry-leading backup technology from EMC® Data Domain® and the renowned reliability of SunGard's Recovery Services.

This solution provides increased backup and recovery performance, enhancing on-site operational restoration with off-site recovery in SunGard's secure data centers, and including options for partially- or fully-managed testing and recovery performed by our experienced operations staff.

Higher availability

- Enhanced data availability and uptime through rapid on-site backup and off-site backup and recovery capabilities
- Lower RTO for mission-critical applications; complementing tape based recovery and archiving solutions.

Reduced risk

- Lower risk of operator error by eliminating manual intervention in backup process
- Off-site storage and recovery at resilient facility
- Operational structure and best practices backed by ITILv3 service-centric model, SAS 70 Type II and ISO9001 certification, and PCI-DSS-compliant facilities and processes
- SunGard experience and focus — a 100% recovery success rate supporting customer recoveries over 30 years, and more than 100,000 recovery tests completed
- Fully managed testing and recovery as well as integrated consulting and Business Continuity Management software options

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

- Lower volume of data to be protected due to compression and deduplication technologies
- Access to SunGard's shared infrastructure and skills
- Reduced or eliminated tape overheads

Secure2Disk powered by Data Domain is designed to accommodate existing backup software, allowing implementation with minimal disruption. The Data Domain appliance is compatible with leading backup and archive software, reducing risk and avoiding the need for retraining. Benefits include:

- **Easy implementation.** Connects easily to existing media servers and is compatible with leading software.
- **Backup flexibility.** Provides a cost-effective disk backup option as a supplement to existing backup storage devices. Storage flexibility facilitates the adoption of a tiered backup strategy to improve data management efficiency and service levels to business operations.
- **Backup simplification.** Centralizes the backup target for multiple platforms, allowing customers to easily schedule automatic backups — either once a day or more frequently and automatically replicates to a remote SunGard site.

Deduplication improves IT efficiency

Identifying and deleting multiple copies of data — known as deduplication — enables dramatic improvement in overall IT efficiency. Eliminating the massive quantity of redundant files reduces costs for storage and network bandwidth, making online, disk-based backup economically attractive. By reducing disk storage costs, deduplication facilitates a tiered storage strategy, matching the medium — disk or tape — to business criticality, improving data management efficiency.

Advanced backup technology

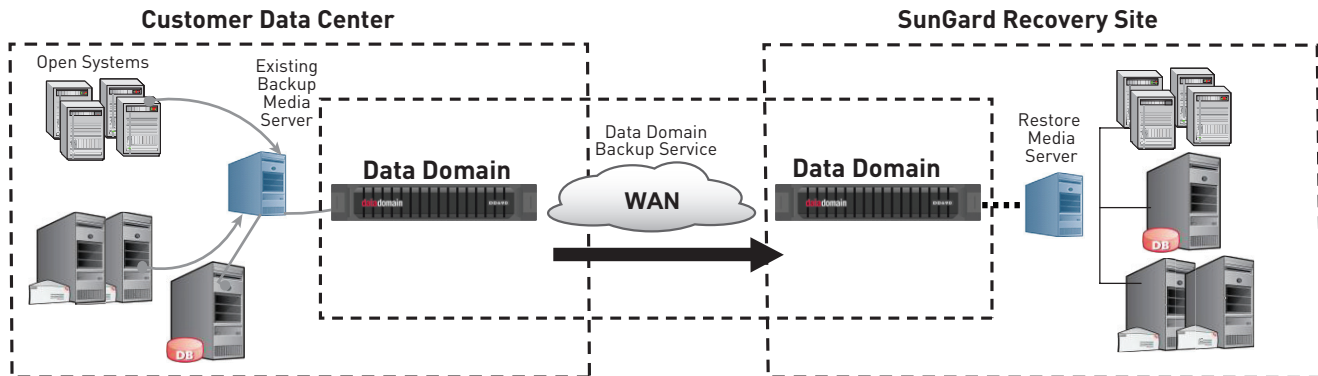
Using industry-leading inline, multi-CPU technology, the Data Domain appliance achieves a data reduction ratio averaging 20:1 prior to storage, although ratios can vary depending on the data and application. The 95% percent reduction in data volume on average — for example, 20 TB cut to 1 TB — increases the amount of data that can be stored on disk for faster access to critical information on-site and faster backup off-site.

Testing and recovery planning and execution support — Managed Recovery Services

SunGard offers specialized expertise to help organizations accelerate recovery, document testing and restoration success for compliance audits, and re-focus internal resources. Services include recovery planning, scripts and procedures development and maintenance, fully managed testing and recovery as well as post-test reporting.

Consulting services for business continuity/ disaster recovery

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



Data Domain appliance installed at customer's site, with second dedicated unit installed in SunGard Recovery Center.

- Designed for customer data volumes between 5 and hundreds of TB (no limit on database size)
- Platinum Plus Support – 24/7/4 hour response time
- Data Domain Replicator License (VTL licenses as needed)
- Installation, with additional NICs as needed
- Shipment of second appliance to customer site for data seeding

Space, power and shared or dedicated recovery systems at SunGard Recovery Center

- Secure cabinet with required space, power, and cooling
- SunGard provides Automatic Transfer Switch (120V, 15A, 12 receptacles)
- SunGard management switch
- 10 hours of operational support services to test initial installation and ability to achieve desired RTO
- One 24-hour DR test annually
- Shared or dedicated recovery systems at SunGard
- recovery center that meets standards for PCI DSS and SAS 70 Type II

About SunGard Availability Services

SunGard Availability Services provides disaster recovery, managed IT, information availability consulting services, business continuity management software to over 10,000 customers in North America and Europe.

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Note: When disaster strikes, if customer IT staff is inaccessible, SunGard provides access to 24x7x365 premier recovery staff

Network

- Bandwidth, dedicated circuit, and dedicated managed Internet (10-100 MBPS)
- Managed Firewall and Virtual Private Network Services (VPN)

Note: Customer provides site-to-site VPN to encrypt traffic to and from customer site via Internet.

Monitoring and management

- 24/7 monitoring of two appliances, with customer access to SunGard web portal for online reporting
- Data Domain manages hardware/software upgrades and maintenance

Connectivity to SunGard Recovery Center

- Cross connection services to recovery equipment (copper jumper from appliance Ethernet NIC to patch panel, multi-mode 10Gb fiber optic cable from patch panel to recovery equipment)

Technical support

- SunGard is primary support contact for installation and maintenance