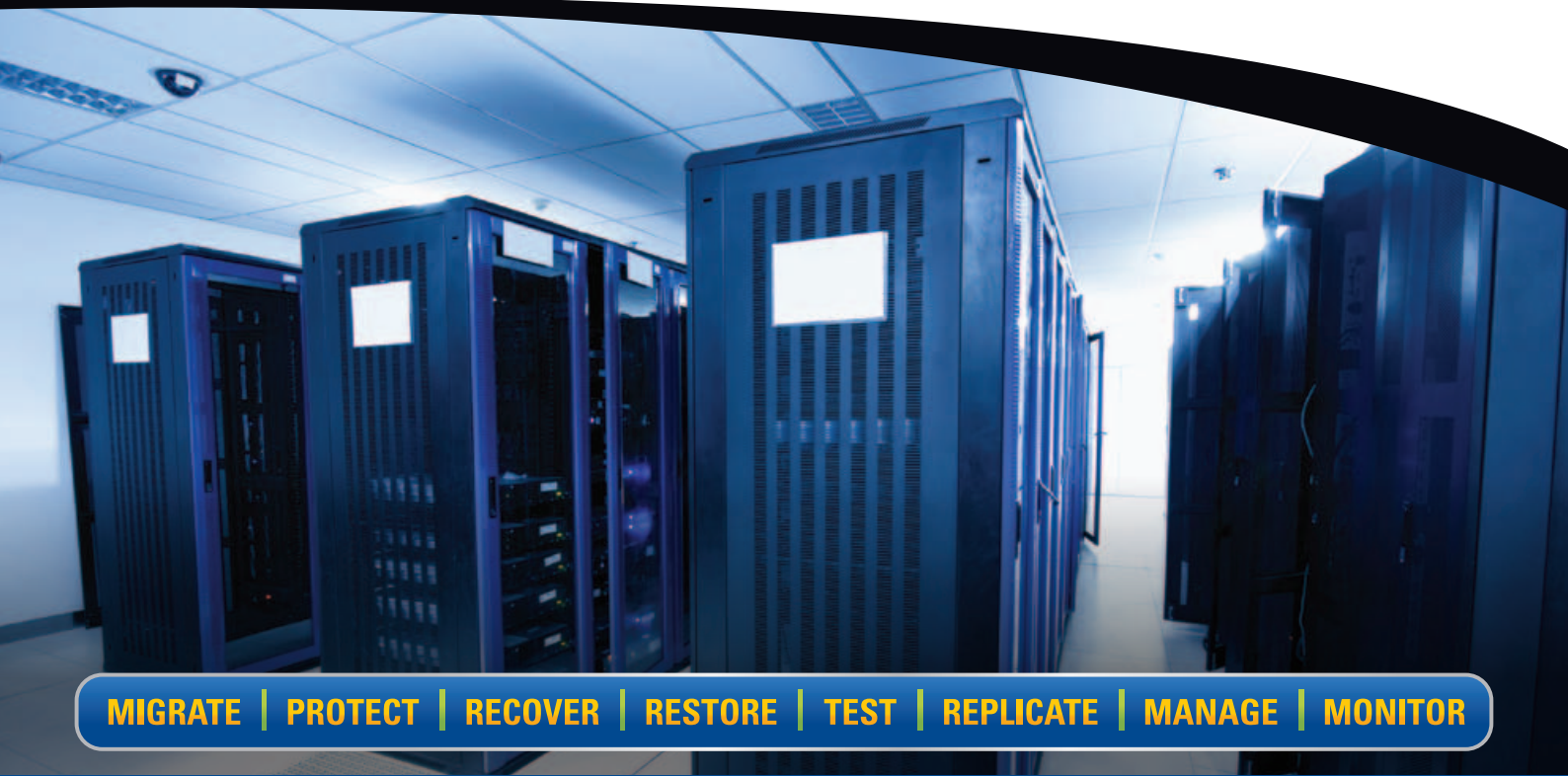
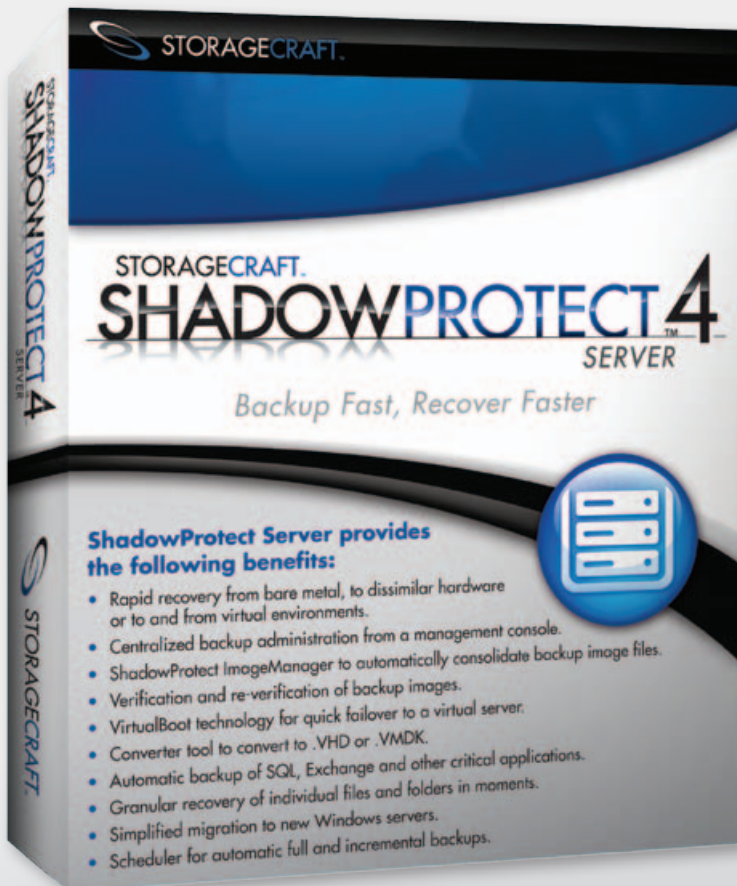


TOTAL NETWORK SUPPORT

STORAGECRAFT SHADOWPROTECT 4



MIGRATE | PROTECT | RECOVER | RESTORE | TEST | REPLICATE | MANAGE | MONITOR



Integrated, affordable, reliable recovery of your data, databases & systems.

FAST BACKUPS

- **ELIMINATE** Backup Windows
- **ELIMINATE** Recovery Windows
- **ELIMINATE** Cost & Complexity
- **ELIMINATE** Data Loss
- **ELIMINATE** Tape from Backup & Recovery

Visit our demo website to see how StorageCraft® solutions will eliminate your backup pain:

www.storagecraft.com.au/DEMO

FASTER RESTORES



Eliminate Everything...

MIGRATE | PROTECT | RECOVER | RESTORE | TEST | REPLICATE | MANAGE | MONITOR

World Leading Real-Time Recovery Solution for Windows servers

Critical to any backup strategy is how easily and quickly you can **recover** a single file, folder, database or even an entire server. Traditional file based technologies fail to meet the recovery time and recovery point objectives of business today.

Using the latest in 4th generation **Real-Time Recovery** technologies, ShadowProtect® eliminates recovery windows, eliminates backup windows and eliminates cost and complexity from backup, recovery and disaster recovery for all sizes of business.

Disk vs Tape and Backup vs Archival – what is the solution?

Data is increasing exponentially. The cost of disk is reducing. Tape has finally been relegated to what it is good at – offsite archival of data, not real-time backup / restores. As bandwidth becomes more affordable, offsite replication of backups will start to replace tape. The objective of every business is the ability to restore data, a database or even a complete server **locally or remotely** within 3 – 5 minutes to its exact state from any saved 15 minute incremental backup. **Today, that solution exists with ShadowProtect® and ShadowProtect ImageManager Enterprise™.**



The complete solution for migrating, protecting and recovering physical and virtual servers

- Migrate** StorageCraft® includes several technologies that eliminate the pain of migrating servers to / from physical and/or virtual environments, including the OS, data, databases, profiles, settings, etc. In fact, the ExactState™ of the entire physical server can be quickly, simply and accurately migrated using Virtual Converter, Hardware Independent Restore™ or HeadStart Restore™.
- Protect** your data, databases (e.g. Exchange, SQL, Oracle, SharePoint, etc) and operating systems every 15 minutes to minimise data loss and downtime after a crash, corruption or virus without any options or modules.
- Recover** your data in seconds to any 15 minute point in time by mounting a volume and instantly restoring the file, folder or even an entire volume.
- Test** your ability to restore your data, databases and operating systems in minutes with the included VirtualBoot™ technology. Testing backups is now a trivial process.
- Restore** complete systems including data, databases and operating systems in minutes. Typically a 150GB, 2.5TB or even a 30TB server can be restored in between 3 – 5 minutes.
- Replicate** data, databases and operating systems over a LAN / WAN / Internet for offsite archival with the add-on ShadowProtect ImageManager Enterprise™ technology that includes replication and the enterprise level disaster recovery technology – HeadStart Restore™.
- Manage** centralised management for your physical and virtual servers simply and easily. Group servers, centrally deploy and configure servers for simplified management.
- Monitor** the status of your backups with the WatchDog Software monitoring solution, an affordable, reliable and exceptionally cost effective monitoring solution for ShadowProtect®.

THE HOLY GRAIL OF BACKUP

Eliminate Everything...

- Backup windows
- Recovery windows
- Cost & complexity
- Data loss
- Management overheads
- Migration pains
- Risk
- Downtime
- Tape

BUSINESS OBJECTIVES

- Deliver more with less
- Reduce IT spend
- Keep the business 'up and running' no matter what
- Recover from failure with minimal business interruption
- Backup locally and archive remotely

COMPARE ANY OTHER TECHNOLOGY

- Q: If a critical server crashes at 17:31 today, how much data will you lose?**
A: ShadowProtect® = 1 Minute
- Q: If a server crashes at 17:31 today, how long will it take to get it fully operational (including rebuilding the OS, databases & restoring ALL data)?**
A: Typically 3 – 5 minutes for any size server with VirtualBoot™



Restore in Minutes

One of your servers crash at 17:31 today – what is the cost to your business of losing 8 hours of data per user (100 users = 800 hours of data) and it taking between 4 – 24 hours to get it back in to production?

Restore the server in less than 5 minutes to its exact state as of 17:30 losing one minute of data for approximately \$1,000 per server – that is the ShadowProtect® value proposition.

ShadowProtect® Eliminates Backup Windows

Why do you backup the same file day after day, week after week, month after month if the file has not changed? Using a sector based backup solution; you never backup a sector twice – unless it changes. This combined with the fact that you are only backing up small amounts of data every 15 minutes means you have no backup windows to worry about. Backups are real-time.

ShadowProtect® Eliminates Recovery Windows

Single Files / Folders: ShadowProtect® enables granular recovery of single files or folders in seconds, regardless of when the file was created or backed up.

Complete Disaster Recovery: Servers including their databases, data, etc can be restored to FULL production in typically 3 – 5 minutes, regardless of the size of the server using VirtualBoot™.

StorageCraft® Eliminates Cost & Complexity

A single, integrated solution for backup, recovery and disaster recovery that outperforms traditional file based products and typically costs less than the annual maintenance on your existing backup (tape) based technology.

StorageCraft® Eliminates Migration Pains

Migrate a 250GB, 1TB or even a 12TB server with perhaps 10 minutes of downtime to a virtual or different hardware platform using HeadStart Restore™ technology.

Eliminate Pain Associated with backup and recovery



SUPERIOR technology for backup, recovery and disaster recovery of virtual and physical servers

Affordability

ShadowProtect® is affordable, rock solid and easy to use. At just AUD\$995 or US\$995 per server with discounts for volume & site licensing, ShadowProtect® is exceptional value.

ShadowProtect® ImageManager

This included technology delivers the ability to verify and manage complex image chains and helps to improve the integrity and recoverability of data and databases. It automatically collapses all daily, weekly and monthly ShadowProtect® backups into easy to manage file sets to enable fast restores, regardless of how far back you need to go to restore your data or systems.



Continuous Incremental backups

This feature provides the ability to perform one full backup and thereafter only backup the changed sectors every 15 minutes for maximum protection and recoverability of systems, data and databases (e.g. Exchange, SQL Oracle, and SharePoint) without agents, options or modules. Self-healing backup chains helps to ensure maximum backup integrity.

Central Management

Centrally manage your virtual and physical servers from one console. Deactivate and move licenses from one virtual server to another as you decommission old virtual servers.

Tape – what do I do with my tape drive?

Keep one license of your backup software and connect your tape drive to your image repository (where backups are saved to) for offsite archival of your data. Or, even better, test and prove StorageCraft®'s offsite replication capabilities with the add-on ShadowProtect ImageManager Enterprise™ and eliminate tape completely from your recovery strategy. You can perform FULL TESTS in minutes of any backup using VirtualBoot™ to 100% PROVE your backups & offsite archival have worked and are recoverable.

STORAGECRAFT. SHADOWPROTECT 4™



Typical Scenarios

Almost INSTANT Disaster Recovery

Immediately after a server crash, restore the ExactState™ of any incremental backup image in a full production temporary virtual machine using the VirtualBoot™ technology in minutes. Then using HSR or HIR migrate to your old, new, or replacement server with minimal impact on users.

Restoring a File

Bob needs a file restore from 30 minutes ago or even 3 days ago at 4:15pm – this takes just seconds with ShadowProtect®.

Test a backup or create a test environment based on “real” data / database

Using VirtualBoot™ technology, create in minutes a complete restore of an entire server to test your restore capability or to create a non-production, test environment. This can be used to completely test a service pack, security update, application, upgrade, etc using real and current data in just a few minutes.

Physical to / from Virtual and back again: P2P, P2V, V2V & V2P

If you are undergoing a virtualisation project, ShadowProtect® with the included conversion tools quickly converts your physical servers to ExactState™ virtual servers quickly and reliably.

Remote Backups and Recovery – even eliminate tape for archival

Using ShadowProtect ImageManager Enterprise™ with its inbuilt replication tool, you are able to send your 15 minute incremental backups over the wire to a remote site, enabling off-site backup and disaster recovery. The ExactState™ of your entire server, including data, databases and operating systems can be replicated off-site for near instant remote disaster recovery and file recovery – eliminating the need to use tape once and for all for remote backups.

Server Migration made easy and reliable

You have purchased a new server and need to migrate existing data and databases to the new hardware. ShadowProtect ImageManager Enterprise™ with the included HSR (HeadStart Restore™) technology, allows you to start the migration and have it continue in the background until all data is migrated. Once finished, stop the old server, finalise the migration and re-start the new server which has been completely migrated. The operating system is also migrated using the included Hardware Independent Restore™.

Restoring Data from an Old Application

The Tax Office has decided to perform an audit of your accounting database from 3 years ago, and they have given you 36 hours to produce the critical data or suffer fines. Two years ago you moved to a new accounting system, however the good news is that you took ShadowProtect® ExactState™ image of the end of year accounts. With a click of a few buttons it is restored to a virtual environment, including the operating system, database and data and almost instantly you have ALL the information required.

Simple, easy and fast – the way recovery should be.

ADD VALUE – AFFORDABLE OPTIONS

ShadowProtect ImageManager Enterprise™ (IME)

ShadowProtect ImageManager Enterprise™ is an enterprise level add-on to ShadowProtect® that delivers 3 core benefits:

- **Enterprise level disaster recovery**
– restore any size server with perhaps only 10 minutes of downtime using the automated HeadStart Restore™ technology. HeadStart Restore “pre-starts” a restore job in the background, leaving the last few 15 minute incremental backups ready – but not yet installed - then simply finalise the restore, reboot and you are back in full production within minutes with minimal data loss.
- **Migration with virtually zero downtime**
– migrate a 250GB, a 3TB or even a 16TB server with perhaps 10 minutes of downtime
- **Offsite Replication of ShadowProtect® images**
– Move ShadowProtect® backups offsite over the internet or over a LAN or WAN with the included replication capabilities built into IME.

WatchDog Software (WDS)

- WatchDog Software is a powerful tool for monitoring the status of StorageCraft® ShadowProtect® jobs in virtual and physical environments.
- Built from the ground up to deliver a reliable and robust reporting and monitoring solution to identify issues, troubleshoot and report the status of your backups.
- Proactively manage the health of your backups through a graphical dashboard that delivers a single pane of glass view of all your servers running StorageCraft® ShadowProtect®.

ShadowProtect® Granular Recovery for Exchange™ (GRE)

- Delivers enterprise class recoverability of single (individual) mailboxes, folders, messages, attachments, calendar items, address book contacts, notes and even tasks.
- No additional backup agents or brick level backups are required – simply mount the ShadowProtect® image of your Exchange server, and run GRE on it and restore via drag & drop.



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