



# STORAGECRAFT™

Technology Corporation

**Leading the Way to Safer Computing**



## WHITE PAPER

StorageCraft Technology Corporation – Leading the Way to Safer Computing  
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## **StorageCraft Delivers Fast and Reliable Disaster Recovery & System Migration**

*StorageCraft ShadowProtect solutions give organizations of all sizes the ability to minimize backup windows and reduce the time it takes to recover Windows systems – servers, desktops and laptops. ShadowProtect uses flexible recovery options allowing recovery to the same hardware, new hardware or even to a virtual environment such as VMware™ or Microsoft™ – P2P, P2V, V2P and V2V. ShadowProtect solutions minimize downtime and improve data availability to avoid business interruption – and its associated costs – when disaster strikes. ShadowProtect solutions are flexible and simplify system migration and consolidation to and from virtual environments.*

### **How do you Determine Which Disaster Recovery Solution Best Fits Your Business Needs?**

Businesses today have become very aware of the need for rapid disaster recovery. No matter their size, whether a small business, mid-market company or large enterprise, most organizations know they need to restore their critical systems and data rapidly, in a matter of minutes, in order to minimize the impact of lost productivity and revenue. Disk-based disaster recovery and real-time data protection in conjunction with virtualization solutions address these concerns and enable businesses of all sizes to recover quickly from a catastrophic failure.

### **Flexibility is Mandatory When Comparing Disaster Recovery Solutions**

When comparing disaster recovery solutions, you must consider the various methods of recovery available. The objective for any business in a disaster recovery scenario is to get systems back online as quickly as possible. In some situations, recovery to the same system is not possible. For example, in a small business environment a server could fail but in most instances there is not a duplicate system available for recovery. What are your options to get a system recovered and back in production as quickly as possible? Does your disaster recovery solution allow you to recover to dissimilar hardware? Is your disaster recovery solution flexible enough to provide recovery to virtual environments such as VMware™, Microsoft™ or other virtualization solutions?

### **Transition Plans to Virtualization**

Is your business researching virtualization solutions as your preferred method for disaster recovery? Where is your organization in regards to transitioning to a virtual environment for disaster recovery? Will all of your systems be virtualized or are there requirements to have a mix of virtual and physical systems? Does your business require a disaster recovery solution that addresses both physical and virtual systems for the long term?

Virtualization is a hot topic with many organizations still in the research phase and some deeply entrenched in the implementation phase of migrating and consolidating their physical systems to a virtual environment. Does your disaster recovery solution address both virtual and physical environments to make this transition as simple as possible while minimizing downtime and interruption to your organization?

### **Reliable Backups are Necessary for Successful Disaster Recovery**

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Backup Integrity is critical when protecting a system so that you can ensure a successful recovery, in the shortest time possible, when disaster occurs. Does your current backup process produce reliable backups? Does your disaster recovery solution provide a reliable backup that includes the operating system, system updates, applications, databases, configuration settings and critical data? Are you confident that you have a backup that is an exact duplicate of the system at a particular point in time? Does your backup solution address open applications and activity on the system when the backup occurs? For example, are Exchange and SQL databases and their associated open files captured properly when a backup occurs to ensure that disaster recovery will be successful?

### **Test Your Disaster Recovery Plan before a Disaster Occurs**

The only way to fully test that a disaster recovery and backup strategy is working properly is to take data off your backup medium and overwrite current data. Are you willing to do that today? Your disaster recovery solution must allow for portability to a non-production system or has some method of verification that you can successfully recover files, folders or a complete system in a minimal amount of time. A successful disaster recovery test must include the operating system, system updates, applications, databases, configuration settings and critical data.

### **ShadowProtect Delivers Fast and Reliable Disaster Recovery & System Migration**

StorageCraft ShadowProtect provides fast and reliable disaster recovery, system migration and data protection for Windows systems. ShadowProtect provides bare metal recovery including the Windows operating system, system updates, applications such as Exchange and SQL, configuration settings and critical data.

ShadowProtect provides hardware independent restore for physical to physical system (P2P) recovery. ShadowProtect also supports conversion from physical systems to virtual environments (P2V), virtual environments to physical systems (V2P) and virtual environments to virtual environments (V2V). ShadowProtect is complementary to VMWare™ and Microsoft™ virtualization solutions for fast and reliable disaster recovery and system migration.

ShadowProtect provides the following benefits:

- Bare metal recovery of Windows systems in minutes.
- Restore or migrate backup images to and from physical systems and virtual environments (P2V, V2P and V2V).
- Hardware independent restore of backup images to different systems (P2P).
- Full support for online backup of applications such as Exchange and SQL.
- Schedule automatic full and incremental backup images.
- Image management to minimize storage consumption and simplify archiving.
- Bootable recovery CD provides automatic hardware detection and network support.

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- A simple view to quickly recover files and folders or update backup images.
- Compress and encrypt backup images for efficiency and security.
- ShadowProtect console to simplify backup management across your enterprise.
- Backup image verification to ensure that disaster recovery is successful.
- Save backup images to USB, Firewire, NAS, SAN or any network location.

## Summary

Imagine for a very small investment, easy installation and minimal on-going management you are able to implement a complete, single integrated solution to solve your Windows disaster recovery problems without having to invest in a myriad of agents, options and add-ons. Imagine being able to eliminate your current disaster recovery process that is unreliable. Imagine restoring files, folders or complete systems to the same hardware, different hardware or virtual environments in minutes not hours or days and eliminate the cost and reliability issues. Imagine being able to minimize backup windows and reduce disaster recovery times of Windows systems across your organization. Imagine being able to fully test your disaster recovery and backup plan without interruption to production systems and business productivity.

***Download an evaluation of StorageCraft ShadowProtect today and see for yourself how ShadowProtect will change your disaster recovery, backup and system migration strategy once and for all.***

***[www.StorageCraft.com/Solutions/Protect](http://www.StorageCraft.com/Solutions/Protect)***

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