

STORAGECRAFT™
SHADOWPROTECT 4™
SERVER / SMALL BUSINESS SERVER

Product Scenarios



StorageCraft Technology Corporation – Backup Fast, Recover Faster ©2010 StorageCraft Technology Corporation. All Rights Reserved. This brochure is for informational purposes only. STORAGECRAFT MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, IN THIS SUMMARY. StorageCraft, ShadowProtect, ShadowProtect Server, ShadowProtect Small Business Server, ShadowProtect ImageManager, Hardware Independent Restore and VirtualBoot names and logos are trademarks of StorageCraft Technology Corporation. Other product and company names mentioned herein are or may be the trademarks of their respective owners.

Introduction

Fast and Reliable Disaster Recovery, Data Protection and System Migration for Windows Servers

StorageCraft ShadowProtect Server™ and ShadowProtect Small Business Server™ provide fast and reliable disaster recovery, data protection and system migration to get servers online as quickly as possible.

ShadowProtect Server provides the following benefits:

- **Rapid recovery from bare metal, to dissimilar hardware or to and from virtual environments.**
- **Granular recovery of individual files and folders in moments.**
- **Automatic backup of SQL, Exchange and other critical applications.**
- **Simplified migration to new Windows servers.**
- **Scheduler for automatic full and incremental backups.**
- **Integrated backup administration from a management console.**
- **ShadowProtect ImageManager to automatically consolidate backup image files.**
- **Verification and re-verification of backup images.**
- **VirtualBoot technology for quick failover to a virtual server.**
- **Converter tool to convert to .VHD or .VMDK.**

The flexible recovery options in ShadowProtect Server allow you to improve your Recovery Time Objective (RTO) by reducing the time your systems and data are off-line. Minimizing your RTO helps you avoid the consequences of a break in business continuity, which in turn, helps you to maximize profits.

The following scenarios will show you how ShadowProtect Server can help you in various situations.

Use Case 1 – Bare Metal Recovery

Scenario: A massive storm wipes out the power at your headquarters for 36 hours. Your backup generator is supposed to provide power to keep critical systems going – like your Web, Exchange and file servers. But there was a lag before the generator kicked in and all of the systems shut down. You're able to get most of the servers back up, but as always seems to happen in emergencies like this, one of your file servers crashed.

Desired Solution: Recover the entire server with minimal downtime.

How ShadowProtect Server can help: With ShadowProtect Server, you can restore the entire server quickly and easily, rather than taking many hours or even days to get things up and running again. Simply load the bootable recovery CD, run the StorageCraft Recovery Environment, locate your point-in-time backup image file and restore your server – operating system, applications and data. Restoring from disk-based media is much faster than restoring from tape. Plus, you don't have any additional steps loading the operating system and applications before you add your data. It's all right there in your backup image file.



Use Case 2 – Disaster Recovery

Scenario: A flood wipes out your main offices.

Desired Solution: Recover your servers and get them running again following a catastrophic failure.

How ShadowProtect Server can help: With ShadowProtect Server, you can restore all of your Windows servers, even if your hardware is damaged beyond repair. That's because ShadowProtect's Hardware Independent Restore™ (HIR) technology makes it possible to restore your server backup images to brand new hardware, even virtual servers. Plus because ShadowProtect Server can take backup images up to every 15 minutes throughout the day, your Recovery Point Objective (RPO) – the age of data you could restore when the disaster happens – could be *less than 15 minutes*. Now you can get your business running again, and have your RPO at 15 minutes or less, even if your offices are temporarily closed.

Use Case 3 – Granular Recovery of Files and Folders

Scenario: The boss accidentally deletes an important document from the file server and needs it in 10 minutes.

Desired Solution: Recover the missing document quickly and easily.

How ShadowProtect Server can help: ShadowProtect Server allows you to perform granular recovery of individual files and folders – there's no need for a separate data backup of your server. You simply right click on the point-in-time ShadowProtect backup image file (the last backup taken *before* the boss deleted the file), mount the image as a drive letter on the network, browse to the missing folder and file, and then drag and drop it to the production server. Or you can mount the backup image file as a network share and tell the user where to find it.

Use Case 4 – Migrate to a New Server or a New Virtual Environment

Scenario: It's time to upgrade to new server hardware.

Scenario: The boss decides to migrate to a virtual server environment.

Desired Solution: Migrate to new hardware or a virtual machine with as little downtime as possible.

How ShadowProtect Server can help: ShadowProtect Server is a phenomenal tool for Windows server migration. First, you take a rapid point-in-time backup of everything on your server *before* you begin the migration process. Now you not only have a complete backup of your server, you also have an image to migrate to your new server hardware or virtual machine. Using the HIR technology in ShadowProtect Server, you restore your backup image to new server hardware or to a virtual machine and your migration is complete. The whole process takes a couple of hours, rather than a couple of days.

Use Case 5 – Testing Your Disaster Recovery Plan, New Applications

Scenarios: You want to test your disaster recovery plan and ensure that your server data is recoverable. You want to test whether a new application is compatible with your server environment.

Desired Solution: Routinely check the viability of data recovery on your server. Easily check whether new applications are compatible.

How ShadowProtect Server can help: A new feature in ShadowProtect Server is VirtualBoot™. VirtualBoot technology allows you to right click on any ShadowProtect backup image file and boot it into a virtual environment using Oracle VirtualBox technology.



To verify the integrity of your disaster recovery plan and ensure that all your data is available in the event of a catastrophic failure, simply VirtualBoot any ShadowProtect point-in-time backup image. This ShadowProtect feature allows you to verify that your server backups are in a good state should a disaster occur and you need to complete a recovery of your server and data. It only takes a few minutes to VirtualBoot a server, even a multi-terabyte volume, so you can perform this check quickly and easily.

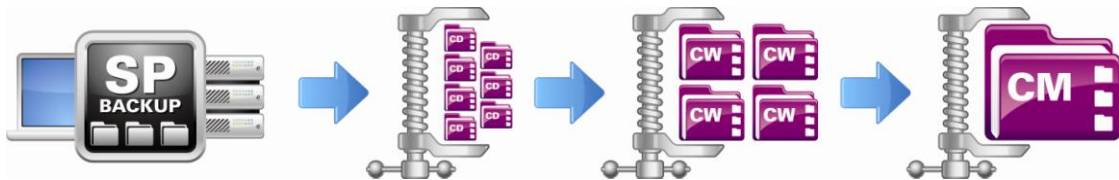
When you want to test a new application, simply virtual boot a recent ShadowProtect backup image file and install the application on the new virtual machine, replicating your production environment. This way you can test new applications without introducing them into your production server environment and without the need to shell out hundreds or thousands of dollars for a test lab.

Use Case 6 – Consolidate and Verify Backups

Scenarios: You want to simplify the management of your backups automatically, while maintaining the integrity of your disaster recovery plan.

Desired Solution: Minimize the number of point-in-time backup images you need to manage, while controlling the amount of disk space used for your backups.

How ShadowProtect Server can help: ShadowProtect Server includes a program called ShadowProtect ImageManager™ which allows you to manage and maintain the integrity of your backup image chains. Once you've set up your backup schedule in ShadowProtect Server, open ShadowProtect ImageManager and set it up to collapse your backup image files into daily, weekly and monthly files. These consolidated files are easier to maintain, and in the event of a catastrophic failure, ShadowProtect Server does all the work for you, allowing you to easily access the correct point-in-time where you'd like to restore your data.



In addition, ShadowProtect ImageManager will automatically verify and re-verify the backup images to ensure they're still in a good state. If there is ever a problem, such as hard drive failure or a missing image file, ShadowProtect ImageManager will alert you to the problem. You can even set up notifications so that ShadowProtect ImageManager will send you an e-mail when there is a problem.



Use Case 7 – Centrally Manage ShadowProtect Deployment

Scenarios: After testing backup solutions, you've determined ShadowProtect is the fastest, most reliable backup solution to protect your server environment. Now you need to install the ShadowProtect agent on each of your servers across your entire network environment.

Desired Solution: Install the ShadowProtect agent to each server silently while maintaining ongoing management capabilities, without having to visit each machine individually.

How ShadowProtect Server can help: The management console in ShadowProtect Server now includes a Management View. This allows you to have a single view of all of the machines in your environment that are running ShadowProtect, as well as the ability to push install the ShadowProtect agent to your Windows servers. With this new install option, you can simultaneously install to multiple machines without ever having to leave your workstation. In addition, ShadowProtect allows you to check the status of all of your system backups plus create different groups so you can simplify your backup management processes.



StorageCraft Technology Corporation provides innovative disaster recovery, system migration, data protection and security solutions for servers, desktops and laptops. StorageCraft delivers software products that reduce downtime, improve security and stability for systems and data and lower the total cost of ownership for servers, desktops and laptops.

StorageCraft UK Ltd

7 The Coles Shop
Watermill Way
London
SW19 2RD

Tel : +44 (0)20 7036 9670

Fax: +41 22 994 89 42

E-Mail: info@storagecraft.eu

Sales: sales@storagecraft.eu

StorageCraft Europe

Oberneuhofstrasse 5
CH-6340 Baar

Tel: +41 41 768 65 34

Fax: +41 22 994 89 42

E-Mail: info@storagecraft.eu

Sales: sales@storagecraft.eu