

STORAGECRAFT® SHADOWPROTECT.5

SERVER / SMALL BUSINESS SERVER

PRODUCT SCENARIOS

BEST-IN-CLASS DISASTER RECOVERY 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.
- ImageReady technology to automatically mount and validate backup image files.
- Granular recovery of individual files and folders in moments.
- Ability to boot any ShadowProtect image as a VM with VirtualBoot.
- Windows Server 2012 support.
- Automatic backup of SQL, Exchange and other critical applications.
- Converter tool to convert to .VHD or .VMDK.
- Hardware Independent Restore technology.
- Simplified migration to new Windows servers.
- Scheduler for automatic full and incremental backups.
- StorageCraft ImageManager™ to automatically consolidate backup image files.



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 offline. Minimizing your RTO helps you avoid the consequences of a break in business continuity, which in turn, helps you to maximize profits.

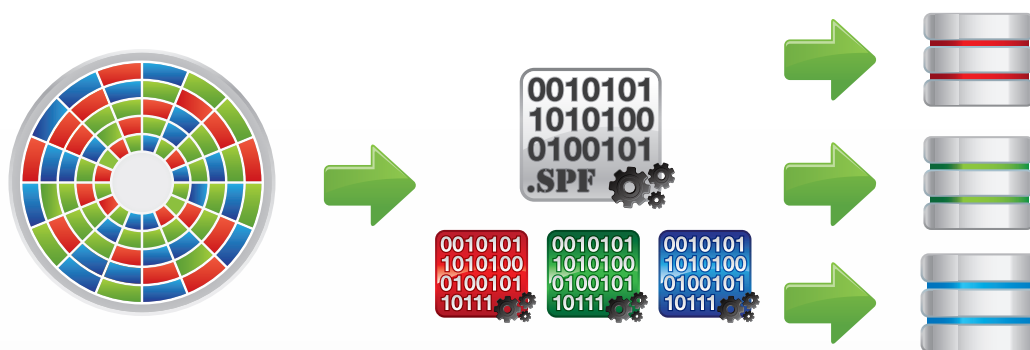
The following scenarios will show you how ShadowProtect Server can help you in various situations.

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. 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. Simply load the bootable recovery CD, run the StorageCraft Recovery Environment, locate your point-in-time backup image file and restore your server—including operating system, applications, services, and data.



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 StorageCraft 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. This means that 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.

Add in offsite backup: With ShadowProtect Server you have the option of backing up both locally and to the cloud, whether that's your own data center or the StorageCraft Cloud. If there is a flood at your main office and your local backups are lost, then you can feel secure knowing that your backup copy is safely stored in a remote, offsite location. If you choose StorageCraft Cloud Services™, simply follow the same steps to restore offsite as you would to restore locally, and your business will be back up and running in no time. You might even use StorageCraft Cloud Services to spin up one or more virtual machines (VM) from your latest backups and run your servers from the cloud while you rebuild your main office.



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 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 empower the user to find their files and retrieve them.

USE CASE 4: 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 widely-used feature in ShadowProtect Server is StorageCraft VirtualBoot™ technology. VirtualBoot technology allows you to right click on any ShadowProtect backup image file and boot it into a virtual environment using Oracle's VirtualBox technology.

To verify the integrity of your disaster recovery plan and ensure that all your systems and data are available in the event of a catastrophic failure, simply VirtualBoot any ShadowProtect 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 completely recover 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 VirtualBoot a recent ShadowProtect backup image file and install the application on the new VM, adding the application to the VM replica of 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. You can know whether the new application works using the same data and environment conditions you have on your production server.



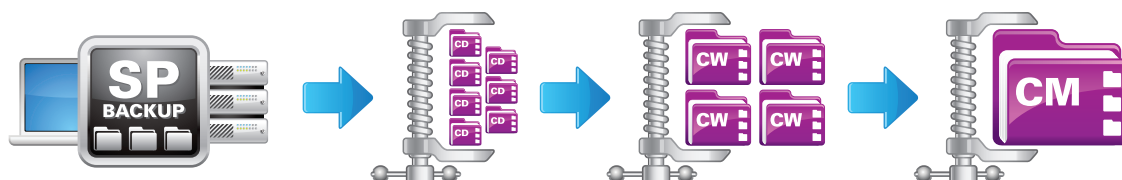
USE CASE 5: CONSOLIDATE AND VERIFY BACKUPS

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 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 StorageCraft 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 StorageCraft 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 to restore your data.

In addition, StorageCraft 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, StorageCraft ImageManager will alert you to the problem. You can even set up notifications so that StorageCraft ImageManager will send you an email when there is a problem.

USE CASE 6: AUTOMATICALLY VALIDATE SHADOWPROTECT BACKUP IMAGES

Scenario: You monitor and manage multiple servers and you need a convenient and automated process to verify the health of those servers and their backup images.

Desired Solution: Automatically validate existing backups and to run scripted processes against those servers with an email notification tool to email you the results of those scripts.

How ShadowProtect Server Can Help: ShadowProtect Server includes StorageCraft ImageReady™ technology, a tool which automates your backup validation process. Simply create a schedule to automatically mount backup images using ImageReady. Then run pre-made script templates against these mounted images to validate the backup or test data and application integrity. ImageReady can email you the results and log files of your scripted processes making monitoring multiple servers a breeze.

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 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, you can download the free StorageCraft ShadowControl® CMD™, which allows you to check the status of all of your system backups, plus create different groups so you can simplify your backup monitoring process.



For Additional Information

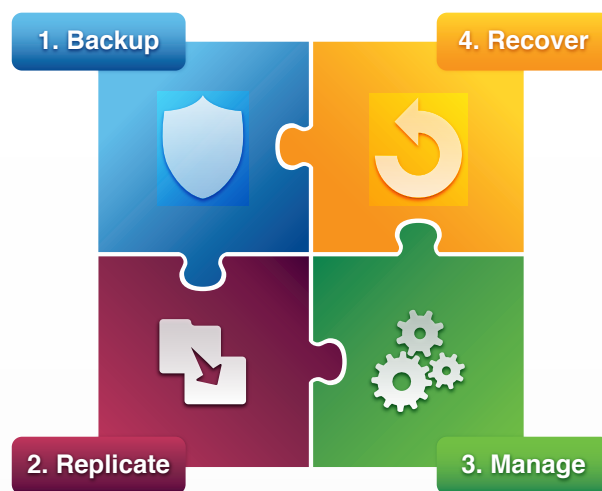
For additional information about ShadowProtect Server please visit:

http://www.storagecraft.com/shadow_protect_server.php

StorageCraft ShadowProtect is a part of the StorageCraft Recover-Ability solution. To learn more, visit”

<http://www.storagecraft.com/solutions/storagecraft-recover-ability-solution/>

STORAGECRAFT. RECOVER-ABILITY[™] SOLUTION



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Backup Fast, Recover Faster

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