

Providing Non-Intrusive Security, Data Protection and Disaster Prevention Solutions for Servers and PCs

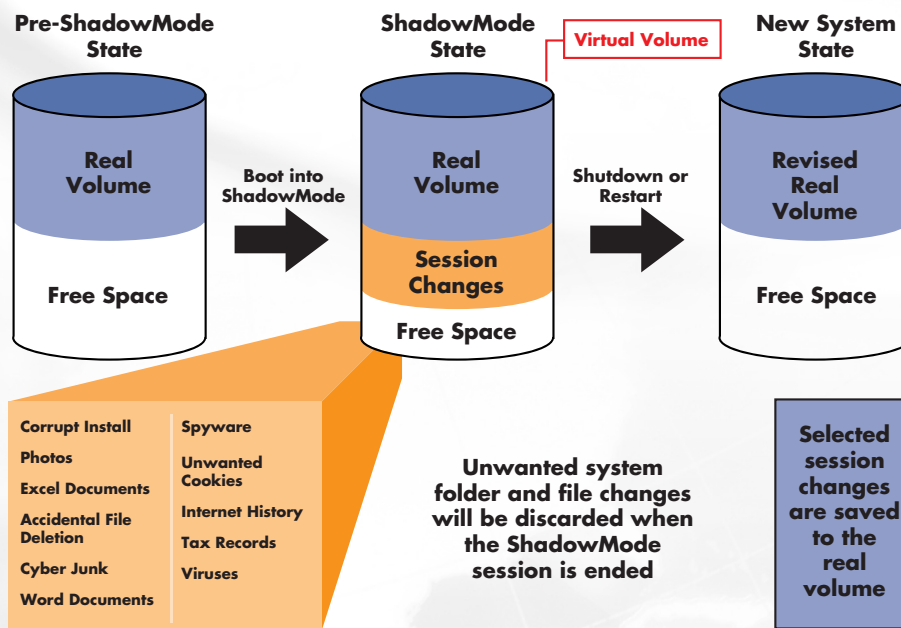
The ShadowStor Approach to Disaster Prevention:

ShadowStor solutions provide a new way to solve current security, data protection and disaster recovery problems. Our unique approach provides Disaster Prevention, eliminating security, data protection and disaster recovery problems before they occur. Why recover from a server or PC disaster when you can prevent it?

The ShadowStor Approach – ShadowStor solutions have minimal impact to the current configuration of your server or PC. There are no modifications to the Master Boot Record (MBR), partitions or disk structure. ShadowStor technology captures a snapshot of your system volume(s) and runs an exact duplicate of your server or PC in a virtual state. This virtual state, called ShadowMode, allows the user to use the server or PC as normal, but without actually writing to disk. If system changes and folder or files changes occur during a ShadowMode session, then these changes can be automatically or manually committed to disk or discarded.

Solving System Security, Data Protection and Disaster Recovery Problems Through Disaster Prevention:

ShadowMode – Virtualizing Your Volume(s) Providing a non-intrusive solution for disaster prevention



ShadowStor Solution Benefits:

Running in ShadowMode provides the following benefits:

- A non-intrusive approach to security, data protection and disaster prevention
- Provides a proactive approach and eliminates server and PC problems before they occur
- Gives full control back to the IT professional or PC user to maximize system uptime
- Minimizes IT complexity and reduces the Total Cost of Ownership (TCO)
- Uses minimal system resources and returns the resources when the ShadowMode session is ended

Today's System Security, Protection and Recovery Challenges

There are many solutions on the market today that are trying to solve system security, data protection and disaster recovery challenges, but many of these solutions are addressing problems that should never exist. In many instances, the product that is supposed to be solving a particular issue with security, data protection or disaster recovery is intrusive and compounding the problem. ShadowStor solutions provide a proactive approach and eliminate many of the challenges before they occur.

Intrusive changes to your server or PC – Unwanted and intrusive system changes occur in internet history files, unwanted cookies, temporary files, spam applications or spy ware. Also, application installations, OS updates and patches can leave a system in an unstable state resulting in system downtime.

The ShadowStor Approach – ShadowStor solutions have zero impact to the current configuration of your server or PC. There are no modifications to the MBR, partitions or disk structure. Minimal disk space and system resources are used during a ShadowMode session, but these are freed up when the session is ended.

Malicious changes to your server or PC – Viruses and worms are creating an on-going management nightmare for IT organizations. One problem with the current approach to resolving virus and worm issues is IT organizations are reactive, rather than proactive at eliminating viruses from getting to the server or PC. You don't get a fix for the problem until it has already hit your server or PC.

The ShadowStor Approach – ShadowMode doesn't allow viruses or worms to be written to the server or PC. When you run in ShadowMode, the virus or PC may get written to the virtual volume, but it can be discarded before changes are committed to disk. This approach is the first line of defense to security and provides a disaster prevention layer to your system rather than applying virus or worm updates after the disaster has occurred.

Impact on System Performance – As soon as a server or PC is put into production, some type of system degradation takes place. This can be caused by intrusive changes, malicious changes or many times it is hard to track down what has impacted the original optimal state of the system.

The ShadowStor Approach – The ShadowStor approach eliminates the ability for unwanted changes and intrusive and malicious files from ever being written to the server or PC. You can then install your operating system and applications and configure it once for maximum performance. Then, by only committing system changes, folders or files to disk when you so choose, you control what actually gets written to the server or PC. This approach allows you to preserve the original optimal configuration of the server or PC.

Accidental or unwanted changes to your system – People make mistakes and apply changes to systems that they wish they could reverse. These types of problems are not preventable, but they are recoverable. In many instances, systems are a shared resource. This is the case in lab environments, training centers, public kiosks, libraries and home PCs. Unwanted software installations or folder / file modifications can place a system in an inoperable or less than optimal state. Many times, the only way to recover from this situation is to go through the time consuming process of reinstalling the operating system, applications and reconfiguring the system. Another method is re-imaging the system which can be time consuming and difficult as well.

ShadowStor Approach – By running your system in ShadowMode, you can eliminate the need to track and manage what changes occurred at different points in time. By entering a ShadowMode session, committing files to a specific location on the disk or network, you can end a ShadowMode session and have your system in the exact state it was prior to the session with your personal data intact. This solution makes the management of shared systems and system change tracking very simple.

If a system is a shared resource in a library, test lab, training center or public kiosk, the scheduler can be set to automatically end and restart a ShadowMode session to eliminate any changes that have taken place. This preserves the system performance and configuration with no IT resources or management required.

ShadowStor Products Online

If you would like to try our products, you can download a full-featured 15-day evaluation copy at www.shadowstor.com. Volume pricing and licensing for is available.

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