

FileSafe

Data protection and instant recovery of critical file-based business data

FileSafe™ technology from FalconStor provides enterprise-level data protection and instant recovery for Microsoft Windows or Linux file-based business data. A fast and simple process allows users to recover entire directories or individual files across application, operating system, network, and server platform boundaries. When combined with FalconStor® Continuous Data Protector (CDP), FileSafe enables users to effectively reduce or eliminate cumbersome tape-based backups and implement comprehensive data protection policies, including disaster recovery (DR) strategies.

Highlights

- > File-based protection and backup for Microsoft Windows and Linux servers
- > Flexible backup options to suit unique business needs and recovery requirements
- > Integrated with FalconStor CDP for enhanced local and remote data protection and DR
- > Secure encryption for data at rest and in-flight
- > WAN-optimized replication reduces network bandwidth requirements for greater DR speed and efficiency
- > Patented MicroScan™ technology improves storage capacity utilization
- > Application-aware snapshot agents, including Microsoft Windows certified agents, ensure 100% transactional integrity

Simple to manage

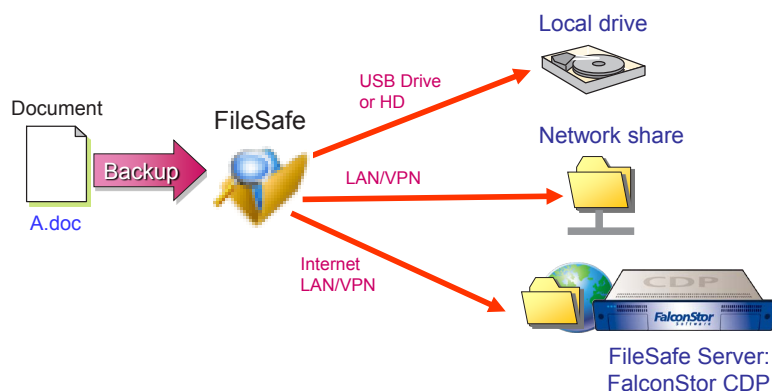
FileSafe technology supports two of the most commonly used business operating systems – Microsoft Windows and Linux – with simplified management capabilities. A FileSafe GUI for Microsoft Windows (similar to Microsoft Windows Explorer) and command line interface (CLI) for Linux enable simplified management and configuration of file protection and recovery for both administrators and end users. Selected files or folders can be easily restored with a few mouse clicks. Additionally, FileSafe enables recovery of any number of previous versions of files.

Advanced backup policy configurations ensure that critical data is protected according to the unique requirements of any business. A backup schedule and policy window displays current settings, allowing administrators to view or edit backup job details for any protected server. FileSafe displays real-time status and logs the results of every operation, which can be reviewed at any time for verification.

Flexible backup operations

FileSafe allows administrators to perform backups manually or via predefined schedules; files and folders can be backed up independently. For example, an entire folder can be backed up once a week, while particular files within that folder can be backed up daily. FileSafe backup operations are transparent; there is no latency impact on production servers or business applications.

FalconStor FileSafe repository options



FileSafe uses default global filters to block the backup of items including cookies, temporary internet files, offline web pages, IIS temporary files, and the Microsoft Windows folder. Administrators can modify the default filter settings according to their specific requirements. Once the initial full-backup is performed, subsequent backups capture only changed blocks of data, greatly reducing network traffic and disk capacity requirements. Scheduled backups include options for start and end time/date, frequency and exclusion times.

Multiple data protection options

FileSafe addresses the data protection needs of any business environment. FileSafe includes three backup repository options: Local (disk/USB), network share, or FileSafe Server on FalconStor CDP. Each option has unique features and benefits to suit particular environments. A local repository can include a secondary disk drive or an external USB drive. A network share can consist of a file server with volumes allocated to individual applications or accounts. FileSafe Server on FalconStor CDP enables users to implement multiple protection policies for multiple target repositories. Configuration of these policies is intuitive and easily performed via the centralized management interface.

Server Repository on FalconStor CDP

As the host of the FileSafe Server Repository option, FalconStor CDP provides extensive enterprise-level data protection capabilities, including application-aware snapshot agents, which provide up to 255 transactionally consistent recovery points, and WAN-optimized

remote replication, which greatly reduces bandwidth requirements for remote DR. Backup operation and recovery performance is enhanced through multiple TCP connections and active/active network path failover support. FileSafe supports standard Ethernet NICs, including 1 and 10 Gb/s. Additionally, FalconStor CDP enables instant recovery of remote files.

Security

FileSafe provides centralized, comprehensive security. Administrators can encrypt backup data, entire directories, or individual files, both at rest and in-flight to the FileSafe repository. Access permissions can be associated with clients, folders, or individual files. There are two primary modes of security: Share mode and Domain mode. All security policies can be centrally managed.

Effective backup capacity utilization

The flexibility of the FileSafe Server Repository on FalconStor CDP effectively creates a disk-based backup solution with instant recovery capabilities. A FileSafe configuration for backups allows users to establish a maximum number of versions and set purge policies for older versions. Users can control the amount of disk backup capacity required according to their specific business requirements. Deduplication and compression technologies reduce disk capacity requirements to maximize storage efficiency. Patented MicroScan technology from FalconStor eliminates the storage of duplicate data, reducing backup and disk capacity requirements and ensuring the most efficient usage of deployed capacity.

Supported Environments

Operating System	Version	Type
Microsoft Windows 2000	Professional with SP4 and above	32-bit/64-bit (x64)
Microsoft Windows 2000 Server and Advanced Server	SP4 and above	32-bit/64-bit (x64)
Microsoft Windows XP	Home Edition or Professional with SP2 and above	32-bit/64-bit (x64)
Microsoft Windows Server 2003	Standard Edition, Enterprise Edition, Web Edition, Small Business Server, SP2 or R2 with SP2 and above	32-bit/64-bit (x64)
Microsoft Windows Server 2008	All versions except Core Installation edition	32-bit/64-bit (x64)
Microsoft Windows Vista	4.2 / 5.0 / 5/1	32-bit/64-bit (x64)
Red Hat Enterprise Linux	4.2 / 5.0 / 5.1	32-bit/64-bit (x64)
CentOS Linux	10.0 / 10.2 / OES 2	32-bit/64-bit (x64)
Novell SUSE Linux	8 / 9 / 10	32-bit/64-bit (x64)

For more information, visit www.falconstor.com or contact your local FalconStor representative.

Corporate Headquarters
USA
+1 631 777 5188
salesinfo@falconstor.com

European Headquarters
France
+33 1 39 23 95 50
salesemea@falconstor.com

Asia-Pacific Headquarters
Taiwan
+886 4 2259 1868
salesasia@falconstor.com



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