



StorHouse/FTP

Enabling high-speed sequential retrieval of very large (multi-gigabyte) StorHouse files from any FTP client

Why StorHouse?

StorHouse provides unmatched information access and data assurance at the lowest cost per petabyte of storage.

Benefits include:

- > High data availability and accessibility to all enterprise information
- > Archive scalability to multiple petabytes with no performance degradation to accommodate the ever-increasing volume of critical information
- > Cost-effective operation and reduced total cost of data ownership by storing information on different media types according to access requirements and business value
- > Enhanced business continuance through automated native file format backups, version control, multi-view point-in-time-recovery, data replication, and different disaster recovery strategies that replace system vulnerability with strengthened customer confidence and data protection
- > Data sharing by diverse research units across the organization to ensure unified access to the same set of critical information

What is StorHouse?

FileTek's flagship StorHouse® product is a hardware-independent, multi-functional software platform that automatically archives, retrieves, backs up, and manages terabytes to petabytes of file-based and relational information on a single, easy-to-access system. To end-users and applications, StorHouse simply looks like a single, unified network file share with a virtually unlimited storage capacity. No application modifications are required. Information is stored in native format with self-service file access and re-acquisition that eliminates IT intervention. For many users, StorHouse presents itself as a single global namespace that has scaled modularly to petabytes of storage/billions of files with no performance degradation.

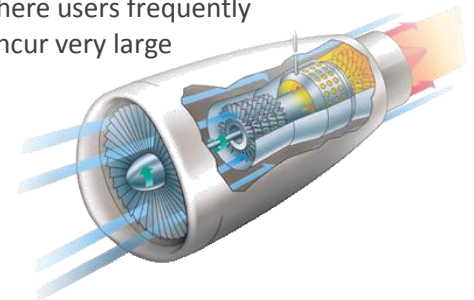
But just how quickly can you access that massive StorHouse data repository?

What is StorHouse/FTP?

StorHouse/FTP is an optimized FTP server that provides high-speed, sequential retrieval of very large (multi-gigabyte) StorHouse files from any standard FTP client. StorHouse/FTP provides many benefits, including:

Standard Retrieval Protocol: StorHouse/FTP retrieval is in addition to the native NFS and CIFS support that StorHouse/RFS Linux platforms already provide. Having NFS, CIFS, and FTP interfaces enables customers to optimize retrieval performance based on client operating system requirements, application use cases, and file size. Moreover, StorHouse/FTP overcomes many of the performance issues associated with NFS and CIFS.

Like a "Jet Engine" for Retrieving Very Large Files: StorHouse/FTP boosts StorHouse/RFS performance in environments where users frequently retrieve very large files. While most industries incur very large files, they are more commonly seen in media/entertainment, life sciences/pharmaceutical, intelligence/defense, research/high-performance computing, and engineering/seismic storage applications.



Support for Any FTP Client: StorHouse/FTP

supports the use of any FTP client with a graphical or command line interface (for example, Filezilla, Windows Explorer, and Linux FTP) to retrieve files. When using a command line FTP client, StorHouse/FTP supports Linux commands such as `cd` and `ls` for navigation. Graphical user interface FTP clients have their own navigation functions to access different StorHouse/RFS directories.

Optimized for Tape Retrieval: StorHouse supports a broad base of commercially available storage hardware and media, including tape, which retrieves information sequentially faster than disk. In fact, StorHouse/FTP utilizes buffered, sequential, read-ahead processing to leverage and therefore maximize tape's inherent data streaming capability.

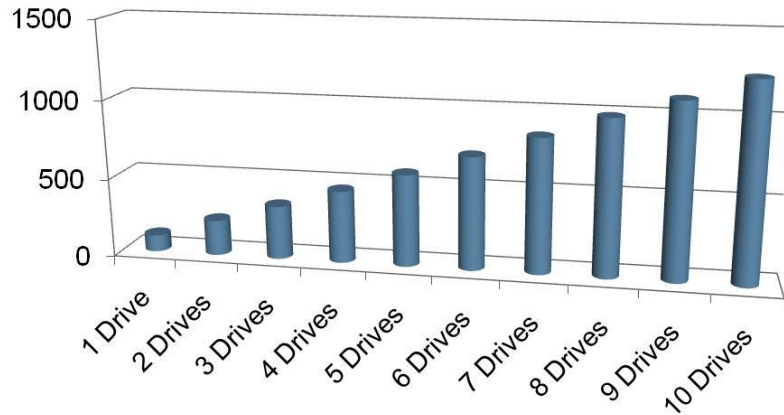


StorHouse Features

- > Point-in-time system views
- > Active content validation and repair
- > Multi-site replication
- > Managed shelf storage
- > Full-system rebuild from tape
- > System health monitoring
- > Self-service file re-acquisition
- > Information encryption
- > Full WORM capability
- > Full CIFS and NFS connections and security
- > High-speed, sequential retrieval of very large StorHouse files through StorHouse/FTP
- > Relational and file-based information management
- > Native file storage format
- > File version management
- > Full repository search
- > Controlled file deletes
- > Support for tape as directly addressable storage
- > Ability to leverage existing storage infrastructure
- > Hardware independence
- > Policy-based data management
- > Seamless integration of new storage technologies

Linear Performance: As you add new tape drives and run multiple concurrent retrieval streams, StorHouse/FTP delivers near linear performance. As an example, a recent test, which included running ten simultaneous retrieval transfers mixing LTO4 and LTO5 drives, yielded 1247 MB/sec. At the same time, StorHouse CPU utilization was only 9%. In short, StorHouse/FTP eliminates any perceived bottlenecks within the archive and can retrieve information back to users as fast as their networks or retrieval devices will allow.

MB/Sec Total Throughput



Summary

StorHouse/FTP is an optimized FTP server that provides high-speed, sequential retrieval of very large StorHouse files from any standard FTP client.

- > StorHouse/FTP is in addition to the native NFS and CIFS support that StorHouse/RFS Linux platforms already provide.
- > It can be used with any FTP client with a graphical or command line interface to retrieve files
- > It utilizes “rocket-fast” sequential look-ahead read processing that is optimized for tape
- > It is the ideal retrieval mechanism for the very large files generated by media/entertainment, life sciences/pharmaceutical, intelligence/defence, research/high-performance computing, and engineering/seismic storage applications.

FileTek

Corporate Headquarters:

FileTek, Inc.
9400 Key West Avenue
Rockville, MD 20850
Phone: 301.251.0600
info@filetek.com
www.filetek.com

International Headquarters:

FileTek Ltd
1 Northumberland Ave.
London WC2N 5BW
Phone: +44 (0) 207.872.5583
intsales@filetek.com
www.filetek.com

For More Information

For more information about how this feature can benefit your organization, contact a FileTek sales representative at info@filetek.com or call 301 251-0600.

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