StorHouse Multi-View Point-in-Time Recovery

Enabling multiple users to go back in time – in real time – with no impact on current StorHouse operation

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

Recover StorHouse Data at Different Points in Time without IT Intervention

Backup and recovery are critical to efficient data center management because they facilitate disaster recovery and mitigate operational, compliance, and litigation risk. However, no matter how safe a backup and recovery plan might seem, it may not guarantee the ability to restore data at a point in time before corruption or accidental deletion occurred.

Imagine this potentially devastating scenario. The IT department has just completed a traditional four-week backup cycle when users discover that a critical file required to complete a deadline-driven tax transaction is corrupt. Unfortunately, it's too late to restore the file because IT already recycled the backup media and deleted all readable backup copies. Panic sets in as users begin to worry if there are other corrupted files without accessible backup copies, a situation that could further compromise business operations and the company's enterprise compliance readiness program. No business wants to lose accounts or face heavy government fines and sanctions.

With StorHouse multi-view point-in-time recovery, organizations never have to worry about deleted backup copies impeding restore operations.

What is StorHouse Multi-View Point-in-Time Recovery?

StorHouse multi-view point-in-time recovery is an innovative recovery strategy that ensures data integrity and restoration for the long-term. It enables multiple users to restore files at any point in time with *no interruption* to ongoing production processing. Users simply access a specific "point-in-time" view of historical StorHouse content the same way they retrieve current files. There is never any requirement to restore data from tape to disk prior to access.

Moreover, with the StorHouse "back-in-time-in-real-time" approach to recovering and viewing active archive data, multiple users can browse different historical views of their own directories side-by-side and then determine which copy they want to recover or examine – all without IT intervention. The capability to look at files in diverse date/time perspectives is particularly impressive considering that StorHouse can contain multiple petabytes of data.

How Does Multi-View Point-in-Time Recovery Work?

Administrators activate multi-view point-in-time recovery through StorHouse/CCi Release 3.0, a user-friendly, web-based interface for managing and administering one or more StorHouse systems. Access to StorHouse/CCi is available through any browser-enabled platform.

A single point-in-time activation represents one historical view of StorHouse data. First, administrators register the point-in-time system with StorHouse/CCi. Then they provide date/time criteria and other information to activate the specified point-in-time on a StorHouse file system. Once the recovery process is complete, users can access particular files to restore lost data, check directory structures for file organization, or retrieve files at different points in time for multi-view research and analysis.

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
- 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

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Figure 1 illustrates the point-in-time registration webpage in StorHouse/CCi.

Figure 1: Registering a Point-in-Time System

Figure 2 illustrates the StorHouse/CCi point-in-time activation webpage. The selection criteria are easy to determine because StorHouse/CCi provides context-sensitive help to facilitate every step of the activation process.

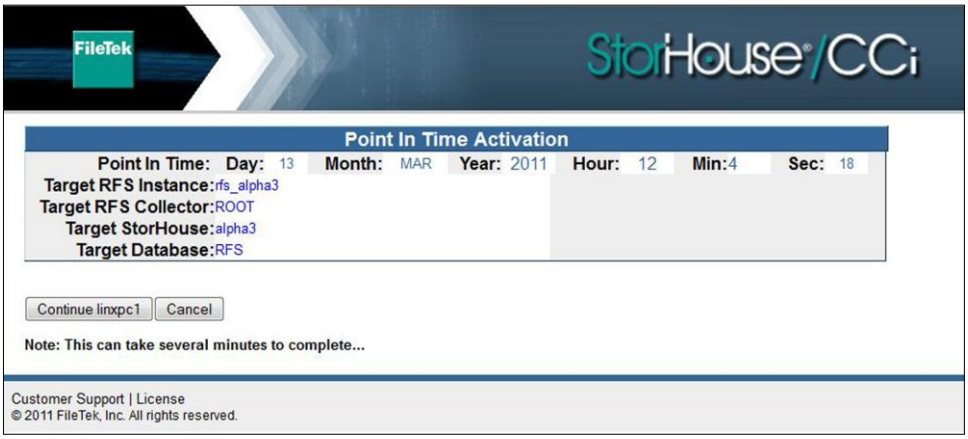

Figure 2: Activating a Point-in-Time System

System restoration at any point in time is achievable because StorHouse uses a relational database to store metadata and other locator information for user files. In fact, database recovery occurs automatically during the point-in-time activation process to provide the specific StorHouse file system snapshot views that users require.

Because of its unique relational approach to system scalability, StorHouse has no inode constraints, pointers, or operating system-imposed limitations on the volume of information or the number of stored objects the software can support. The benefit is a cost-effective, accessible, performance-oriented solution that can scale to petabytes of data and trillions of files – capacities well beyond the benchmark that defines when most file systems and relational databases begin to fail.

Summary

Combined with version control, StorHouse multi-view point-in-time recovery delivers an innovative approach to data assurance and accessibility. 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.