



FS COMPARE AND REPAIR

FIND AND FIX DISCREPANCIES—BEFORE THEY HURT YOUR BUSINESS

If discrepancies arise between synchronized nodes in your HPE NonStop environments, you don't have time to waste. Identify and resolve those issues fast—with FS Compare and Repair.

THE CHALLENGE: KEEPING NODES IN SYNC

Your business and your customers rely upon the critical services powered by HPE NonStop. You need to be able to count on your disaster recovery and active/active nodes to ensure continuity, but to do so, it's critical to keep nodes in sync at all times. If there are discrepancies between instances, it can leave your business exposed to data loss, compliance risk, and lost revenue.

The challenge is that it can be difficult to quickly spot and repair issues—and it only gets tougher as node volumes grow. While online replicators or synchronization solutions like FileSync help, they ultimately don't guarantee identical data sets after a failure or interruption. While other data validation solutions on the market offer compare and repair capabilities, they take excessive amounts of time, particularly in processing larger node volumes—and the lengthier these delays run, the more the business is exposed. Further, many teams have to work within limited windows of time for batch processing. If comparing a large file, say 1 TB or larger, takes longer than available windows, it can significantly limit the frequency with which files can be compared, further exposing the business.



THE SOLUTION: FS COMPARE AND REPAIR

FS Compare and Repair offers fast, advanced capabilities for ensuring your nodes are kept in sync, at all times.

THE SOLUTION:

- Validates HPE NonStop Enscribe files, OSS files, and SQL tables, offering support for SQL/MP and SQL/MX.
- Offers support for disaster recovery and active/active environments.
- Identifies, reports, and resolves discrepancies, including in rows, records, columns, and fields.

KEY DIFFERENTIATORS BREAKTHROUGH SPEED

Based on FileSync, the pioneering replication and synchronization solution from TANDsoft, FS Compare and Repair offers unparalleled speed in data validation. The solution employs a market-leading, block-level approach that offers breakthrough speed and scalability.

Alternative validation solutions do comparisons sequentially, at the record level, which results in many large-scale comparisons running for hours. By contrast, FS Compare and Repair does blocklevel comparisons, examining source and target block hash signatures to determine whether blocks are equal. In addition, the solution processes comparisons in parallel. If a file has five million records and one million blocks, far less time is required to compare blocks. For example, with FS Compare and Repair, a multi-partitioned



1 TB file can be compared in 10 minutes, and 10 million records can be compared in 13 seconds. Alternative tools may require several hours to perform these same comparisons.

INSTANT REPAIRS

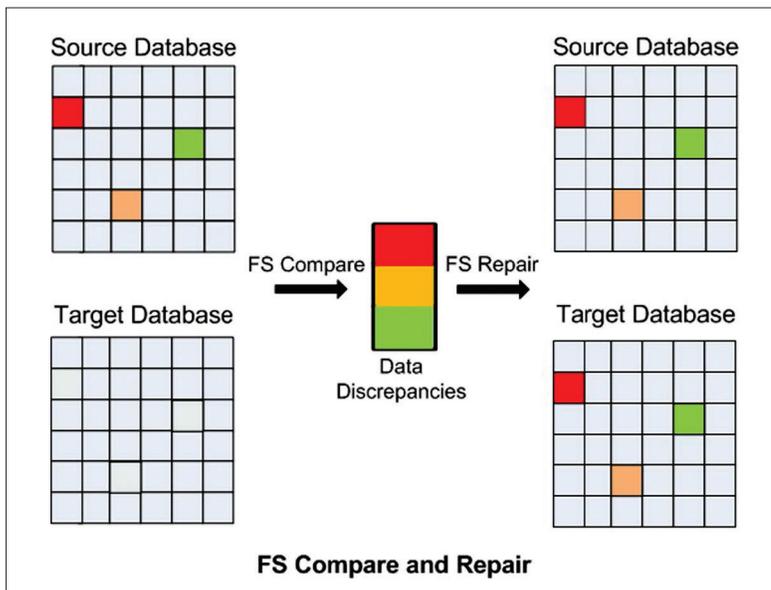
With alternative approaches, if a file is found to be corrupted, it can take hours to rebuild and synchronize. Even if only a part of the file has been corrupted, the entire file needs to be rebuilt. However, with FS Compare and Repair, specific blocks can be compared and immediately repaired using physical block or record repair modes.

SUPPORT FOR DISASTER RECOVERY AND ACTIVE/ACTIVE ENVIRONMENTS

FS Compare and Repair can be employed in environments in which a production server is being compared against a disaster recovery system. If discrepancies are found, the solution can automatically update the disaster recovery system. In addition, the solution offers support for active/active environments in which updates need to go in both directions. Administrators can set policies as to which database gets updated, and ensure those policies are consistently applied any time a discrepancy is discovered.

FLEXIBLE, RELIABLE IMPLEMENTATION

Certified on all HPE NonStop servers, FS Compare and Repair offers compatibility with all HPE NonStop data replication products. The solution can compare and repair all supported file types, and it can be run without making any application modifications. Users can define file sets using Guardian qualified expressions, OSS, and SQL/MX wildcards. In addition, the solution can be run over Expand or TCP/IP.



ACTIONABLE INSIGHTS

With FS Compare and Repair, reports can be generated that support auditing and internal verification. You can report on statistics at the file, partition, index, block, record, and column level. In addition, the solution can generate EMS alerts to facilitate immediate remediation and follow up.

KEY BENEFITS

By harnessing the robust, advanced capabilities of FS Compare and Repair, your team can:

- Minimize exposure to risk of data loss and compliance risk
- Boost staff and resource efficiency
- Minimize network bandwidth

CONCLUSION

When you're managing large nodes and critical workloads, you can't wait hours to ensure systems are in sync. With FS Compare and Repair, your organization can do node comparisons and repairs with unprecedented speed.

SIGN UP

FOR A FREE TRIAL of FS Compare and Repair and see the power of the solution for yourself:



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