



Superna Data Insights™

A scalable search and analytics tool that fully indexes content and metadata, allowing you to extract business value from your file repositories, regardless of their size.

OVERVIEW

With the typical enterprise now managing millions – even billions – of files, you need an enterprise-class search solution that will allow your administrators to find data faster and to more easily manage capacity and file lifecycle aging.

Superna Data Insights™ leverages Dell EMC PowerScale's changelist and REST APIs to maintain a current index of all your content. This helps ensure up-to-date results even when your files are constantly changing. And when it comes to security, Superna Data Insights will return only results covering data to which the administrator-user is permitted to see based on existing Isilon SMB share-level security. Superna automatically discovers SMB share-level and ACL home directory or group share security, and applies it to all user search results.

KEY FEATURES

- **Incremental-always indexing** avoids massive tree walks required to locate changed or deleted data. This functionality is fully integrated with the OneFS Snapshot Compare feature. It allows detection of changed data that is merged into the master index, instead of requiring hours of tree-walking on file systems with hundreds of millions (or even billions) of files. And by not tree-walking over an SMB protocol, you don't waste IOPS on the storage cluster.
- **Multiple file search modes:** By path, file type, data stamps and more.
- **Automated Showback Reporting** (Excel or CSV) emailed reports.
- **Two Search Mode Options:** SMB-aware search or administrator-only mode.
- **File System Analytics Reports**
 - Showback usage reporting by path, with an emailed end-user report
 - Stale and Aging Data Reporting by month, year, based on dates last accessed/last modified
 - File Pool Usage Report by storage pool allows results for both archive tier and fast node storage pool results on a single path. This simplifies showback reporting with storage costs for different storage tiers within the storage cluster. Documents quantity of both active and cold archive data, with automated reporting to departments and/or end users.
 - Easily identify "Who accessed the space?"
 - Summary analysis of data by file type
 - Enables data growth forecasting into future months, years
 - Smartlock expiration file reporting and location of data eligible for deletion
 - Provides summary of data ownership, by user

HIGHLIGHTS

- Incremental-always indexing
- Search by path, file type, data stamps and more
- Automated Showback reporting
- SMB-aware or administrator-only search modes
- File System Analytics Reports
- Advanced scripting actions to automate labor-intensive tasks
- Export results to CSV and Excel
- Support for S3 bucket indexing
- Fully integrated with Superna Data Orchestration (formerly Golden Copy)

- **Automated Scheduled Reporting** for administrators; can also email reports to end users.
- **Advanced scripting actions** against result lists to automate ACL reporting, data movement and other file automation tasks.
- **Export reports/search results** to both CSV and Excel file formats.
- **Support for S3 bucket indexing** provides a subset of the features for s3 data reporting. See release notes for details.
- **Integrations.** Data Orchestration (formerly Golden Copy) search results are saved as a csv file and can be used as the input for copying data to S3 buckets. This enables filtered, fine-grained data searching for creation of a data set copy list file to be used to copy data to S3 for archive and analysis use cases.

USE CASES

- **Active Directory-aware Administrator Self-Service Portal.** Search for files in the system with file metadata filtering, or search for file versions using an integrated snapshot indexing capability.
- **File System Showback Reporting.** Automatically generates showback reports to users – in either Excel or CSV formats – for IT resource management.
- **What’s Growing Old?** Data Aging reports and interactive graphs.
- **Who Owns That Data?** Reports on user data ownership, by path or via any combination of file metadata filtering.
- **Who Used Up the Space?** Identifies users responsible for rapid data growth on any given path, with automated monitoring of scheduled reports.
- **What’s Been Archived?** Cloud Pool-Aware reporting for all quick reports. Easily report on data stored in cloud pools, and filter results using any combination of file metadata.
- **Show Me the File Types?** File type reporting allows you to easily identify the top data usage by file extension. Can report on Top 10, or can be customized for specific file extensions.
- **Where Did My Data Go?** Search snapshots for deleted data or previous versions of data with the snapshot indexing capability.
- **Capacity Management Report.** Identify which users are responsible for storage growth on any given path.
- **File System Analytics.** Allows for advanced searches, including last accessed, created, modified, file extension, combined with content provides unmatched analytic capabilities using any combination of file metadata, including cloud pool status.

SUMMARY

Unstructured data on large file systems presents a security and audit challenge, with millions to billions of files and thousands of users requiring data access. Superna’s subscription license model and a host of easy-to-use features allow you to extract business value from your data repositories on Dell Isilon/PowerScale infrastructure.

WANT TO LEARN MORE?

Interested in learning more about how Superna allows you to secure and protect your structured and unstructured data regardless of where it resides: on-prem, in the cloud, or in a hybrid environment? [Contact us](#) to speak to one of our data protection experts or to schedule a personalized demo.

For more insight into how Superna® can help solve your organization’s unstructured data security challenges, visit us at superna.io.