MICRO FOCUS®

Store and Back Up Unstructured Data: File Analytics for Backup and Recovery with Storage Optimizer

Micro Focus® Storage Optimizer offers advanced file analytics for backup and recovery.

Micro Focus Storage Optimizer software is an innovative storage optimization offering that combines file analytics with data storage tiering capabilities to help you manage your unstructured data more intelligently while slashing cost and complexity.

Storage Optimizer allows you to apply your policies to unstructured data at scale, make it reliably accessible to authorized end users, and store it in a highly cost-effective way.

Contact your local Micro Focus representative to arrange a personalized demonstration. See for yourself what a difference a simpler, smaller, smarter storage optimization solution can do for your bottom line.

Managing the Onslaught of Unstructured Data

There is no stopping the tidal wave of unstructured data and it comes in many forms, from the Internet of Things to streaming video, machine-to-machine (M2M) communication, email, social media data, and mobile and

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1 *Enterprise Strategy Group, 2014*
2 *IDC, 2013*
3 *Enterprise Strategy Group, 2014*

website content. While terabytes of unstructured data can deliver new insights, they also introduce new challenges for:

- Backup takes way too long because of the sheer volume of data
- A significant number of files never change throughout their life cycle, but there is no consistent way to determine what to delete, what to keep, or where to store what is kept
- There is little visibility into the data that is stored

Because of these issues, the cost and complexity of storing unstructured data are on an upward spiral. Today, managing unstructured data costs up to $25 USD per gigabyte with 68 percent of that cost spent on operational tasks and only 14 percent associated with the actual hardware.[1]

At the same time, there is tremendous redundancy and waste with traditional data storage. For example, 60 percent of all enterprise storage space is occupied by copies, with 85 percent of storage spending allotted to managing copies. This means 8X more is spent managing copies than on storage for data and analytics.[2] In addition, there are typically volumes of dark data that have not been accessed in years, and multiple incompatible repositories of data scattered across the enterprise.

Simply adding disks and upgrading infrastructure to accommodate this explosive growth are not sustainable options. Clearly, IT needs to consider smarter solutions that make it possible to reign in unstructured data storage costs, reduce the footprint of storage systems, simplify and reduce backup, and manage data storage infrastructure. With Storage Optimizer, CIOs, IT professionals, and infrastructure and storage executives can address these specific issues.[3]
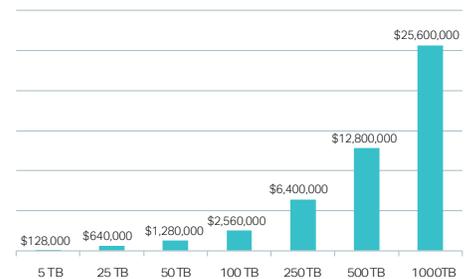

Figure 1. Total cost of information management

The costs and complexities of storing unstructured data are on an upward spiral. Managing unstructured information can cost up to $25 USD per gigabyte.

Cost Containment without Constraints

Storage Optimizer software is an effective storage optimization solution for IT departments looking to cut the cost and complexity of storing and managing vast volumes of unstructured data. As an analytics-driven solution, Storage Optimizer combines file analytics with policy-based data storage tiering and information optimization. This unique combination of technology allows you to intelligently reduce the total volume of data storage, shrink the cost and complexity of managing unstructured data, and intelligently distribute information across multiple storage repositories, including the cloud.

Increased Cost Containment

Storage Optimizer analyzes files based on metadata so that you can identify data currently stored in tier 1 infrastructure and move it to tier 2 storage. This makes it possible to materially lower the cost of primary storage and backup-related storage. You can make more effective and intelligent use of tiered storage, including the cloud, for added cost savings.

Better Infrastructure Management

With Storage Optimizer, storage optimization is no longer blind. Now you can bring together the power of file analytics and prioritized data backup in one cost-effective solution. This allows you to get more value from your existing infrastructure and significantly reduces OPEX.

Faster, Simpler Backup

With Storage Optimizer, you can reduce backup times by up to 50 percent while increasing application performance—with no noticeable impact on end users.

A Truly Holistic Information Governance Strategy

The analytics capabilities of Storage Optimizer with ControlPoint, a related governance solution, enable you to optimize your governance and purchasing strategies. For example, an audit trail provides total visibility into the data you have, making it possible to know what you can defensibly dispose of. You can bridge the gap between legal and compliance, validate purchases are made with long-term objectives in mind, and put your IT team in a strategic position within the enterprise.

Using Analytics to Cut Cost and Complexity

With Storage Optimizer, you can quickly analyze files to optimize and reduce the total amount of storage required for unstructured data—across different repositories, across multiple data storage tiers, and across the enterprise. For example, you can:

- Use analytics-driven insight to improve data quality and intelligence
- Connect to many different repositories and extract information from a variety of data sources, including File Shares, Hadoop, Microsoft SharePoint and Microsoft Exchange
- Identify redundant, obsolete, and trivial data
- Stub selected documents
- Move and delete selected data
- Apply complex policies to optimize storage consumption
- Deduplicate data across different repositories and different storage tiers
- Apply balancers to deploy the storage optimization solution at hundreds of terabytes scale

Ongoing Improvement in Storage Operations and Business Processes

By providing a unique combination of file analytics and data protection in one solution, Storage Optimizer allows you to generate and exploit data-driven, data-fed intelligence to improve data storage operations on an ongoing basis. A few of these advantages include:

- A highly intuitive and visual user interface that takes the pain and guesswork out of policy setting
- Connectivity to a wide range of repositories including Hadoop, SharePoint, Exchange, and others
- An easy-to-deploy, easy-to-use, all-Micro Focus solution for customers who have standardized on Micro Focus software
- Enterprise-grade scalability and the ability to integrate multiple previously disconnected data silos
- Integration with other Micro Focus information governance solutions, so you can start with Storage Optimizer

and incorporate additional governance projects in a modular, strategic way

- Built-in security and audibility features
- Seamless retrieval by end users, as needed

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