



## Does your file storage infrastructure cost too much?

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*Industry consensus is that roughly 80% of all stored data is unstructured and growing 40% to 60% annually. Compounding this, many organizations must retain data for years, if not decades. As a result, most unstructured, stored data is infrequently accessed or “cold”. This cold data makes it difficult and expensive to entirely satisfy storage needs with on-premises storage infrastructure.*

### Unprecedented data growth is straining your file storage infrastructure.



On average, 75% to 90% of all unstructured data is considered cold. Studies show that data is most frequently accessed (“hottest”) in the first 72 hours after creation and then rapidly cools after 30 days, becoming cold after 90 days. While this data may be infrequently accessed, organizations are often required to retain it and ensure it is easily accessible over retention periods spanning months and years to decades and even generations.



Most organizations struggle to classify their data, leading to highly inefficient and costly “one size fits all” data management. This results in the use of the most expensive on-premises storage infrastructure for all data, regardless of how frequently (or infrequently) it is accessed.



Furthermore, because your organization’s data is growing exponentially, you must not only consider today’s needs, but storage requirements years from now when procuring new storage infrastructure.

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*Using high-performance primary storage for cold data is wasteful and represents a tremendous opportunity for storage optimization, reduction in IT management efforts, and cost reduction.*

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# Access boundless, cost-efficient storage with Smart Filer

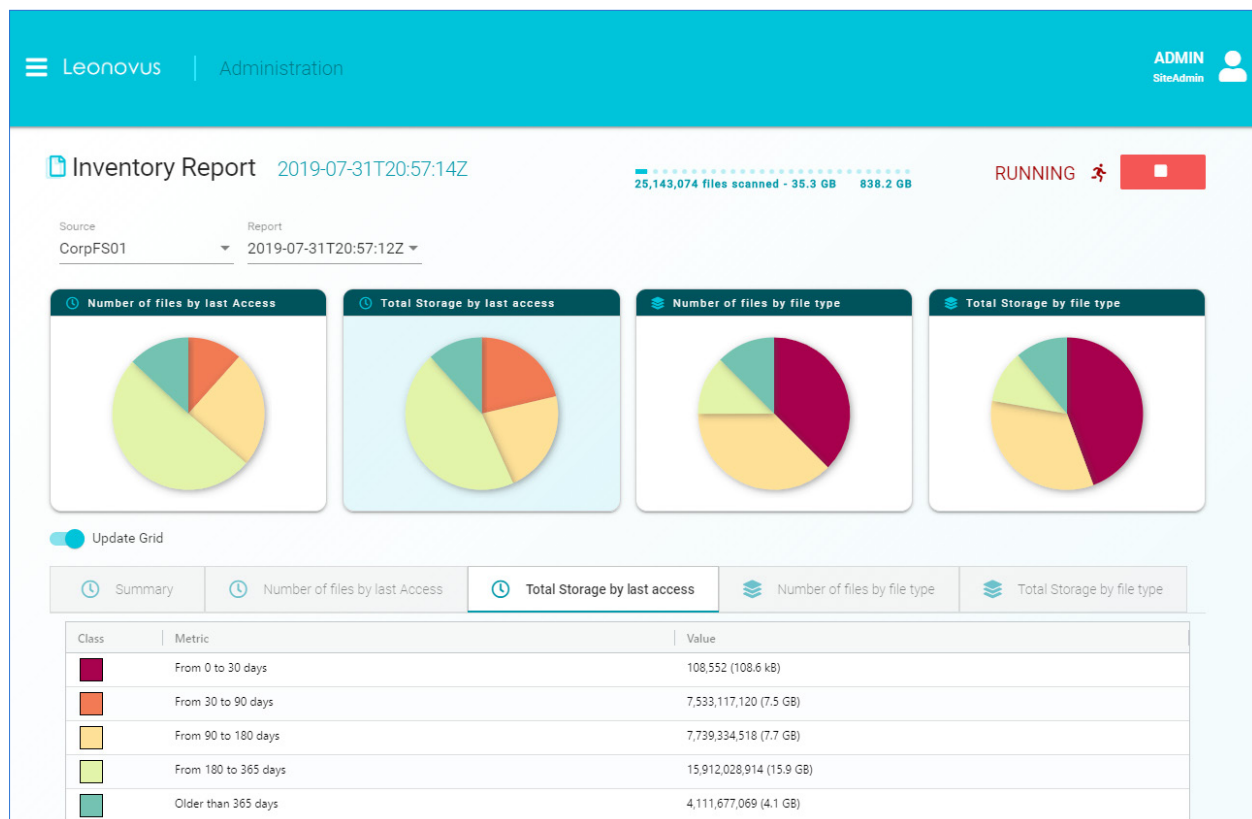
**Leonovus Smart Filer** analyzes existing file storage and extends its capacity automatically and transparently. According to configurable policy, cold files are automatically transitioned from high-cost primary storage and placed in secondary or cloud storage, without any changes to how users and applications access them. This allows the reclamation of primary storage capacity, freeing it for 'hot' data.



*Smart Filer uses a hybrid cloud strategy to store cold data more efficiently and reclaim primary storage capacity, delaying the need to procure additional storage infrastructure.*

## Leonovus Smart Filer in action

Smart Filer performs high speed, low-touch, non-intrusive analytics on SMB 2.0 or later mountable file servers; building a model of the data on each monitored share. The data model can be used to establish policies to offload the file servers automatically – effectively increasing their capacity and delaying the need to procure more file server capacity.



Smart Filer creates inventory reports that classify data by file type, and activity profile. The results are displayed in an intuitive web interface.

These reports provide administrators visibility into their storage environments. Administrators then create policies to offload files automatically to secondary or cloud storage targets continuously at scheduled intervals, or on-demand. Policy sets and storage targets can be tailored to individual network shares to meet the diverse requirements of different data sets.

Offloaded, cold data is gone from the primary server, but still reachable - retrieved from secondary or cloud storage transparently and automatically. Smart Filer leverages open, industry-standard symbolic links in the file offloading process, rather than stub files, ensuring complete transparency to end-users and applications. All data remains consistent, retaining its original meta-data properties including creation and access times, ownership, content, protection and security.

This approach requires no client software to be installed on end user devices. Smart Filer is only in the data path for cold data requests, ensuring performance is unaffected when accessing hot data. All files continue to be visible from the primary storage share, appearing to reside on primary storage regardless of whether they have been offloaded.

## Smart Filer & BriteSky: Turnkey cold data management

Together, Leonovus and BriteSky offer a turnkey solution for managing your cold data. Purchase BriteSky enterprise cloud capacity with Leonovus Smart Filer and offload your organization's cold data to BriteSky's cost-effective, highly-secure and fully Canadian cloud storage.



### Summary

Smart Filer provides organizations the visibility and control necessary to implement and operate data management strategies for growing volumes of unstructured data, while significantly optimizing existing storage and reducing costs.



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