

ESG First Look

Komprise Intelligent Data Management

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Data Management Challenges



The percentage of organizations that identified **becoming more operationally efficient** as one of the most important objectives for their digital transformation initiatives.¹



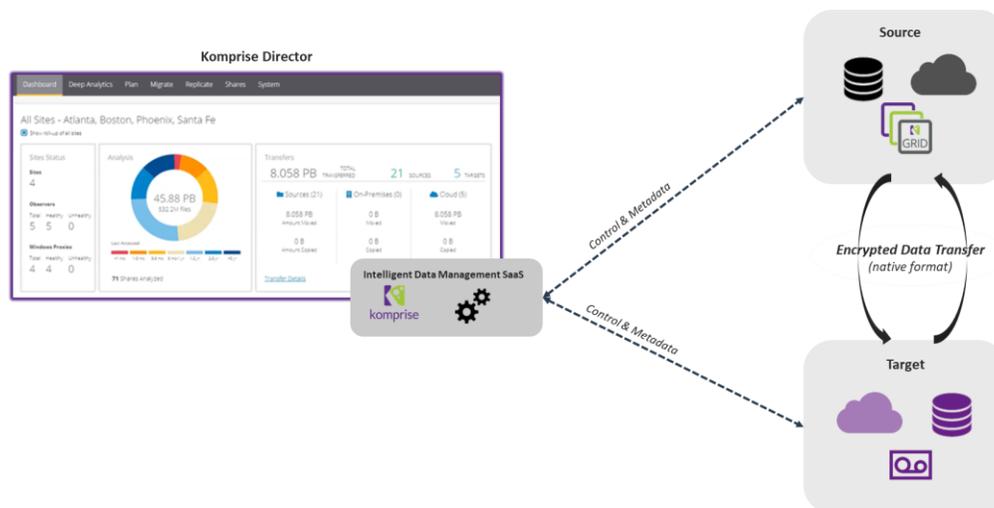
The percentage of respondents that identified **data as their business or as a significant part of their business**.²

Data growth is exploding while budgets are not. Organizations are looking for ways to reduce operational costs and gain visibility into their data, regardless of where it lives. According to ESG research, when asked about digital transformation initiatives, 56% reported that one of their most important objectives was becoming more operationally efficient. In a separate study, IT professionals were asked what best describes their organization’s perspective on data. Here, 59% said that data was their business or was a significant part of their business. When data is that important to business, it’s critical to put it in the right place at the right time to drive down costs while still providing seamless availability.

Komprise Analytics-driven Data Management

Komprise is a data-driven way to globally manage dynamic unstructured data across clouds. It addresses the challenges of massive data growth, siloed management, and the missed opportunity to derive the most value out of data while driving down costs. Figure 1 shows the Komprise Director, which provides visibility and analysis for any organization’s data. It delivers a complete picture (access, search, tag) and helps IT make better storage and placement decisions. Organizations can then move data from source to target outside of the hot data path—with zero interference to apps and end-users.

Figure 1. Komprise Solution Overview



Source: Enterprise Strategy Group

¹ Source: ESG Research Report, [2021 Technology Spending Intentions Survey](#), January 2021.

² Source: ESG Master Survey Results, [2021 Data Infrastructure Trends Survey](#), August 2021.

The key benefits of Komprise include:

- **Data analytics:** Enables insight-driven planning across clouds and NAS platforms.
- **Cloud tiering:** Gets data to the right place with access at every tier to reduce costs and increase efficiency.
- **Data migration:** Allows for data to be moved up to 27 times faster than with other point solutions.
- **Data replication:** Efficiently manages data replication to reduce costs.
- **Global file index:** Creates a global file index with search functionality to allow an organization to unlock data’s value.

ESG Solution Demo Highlights

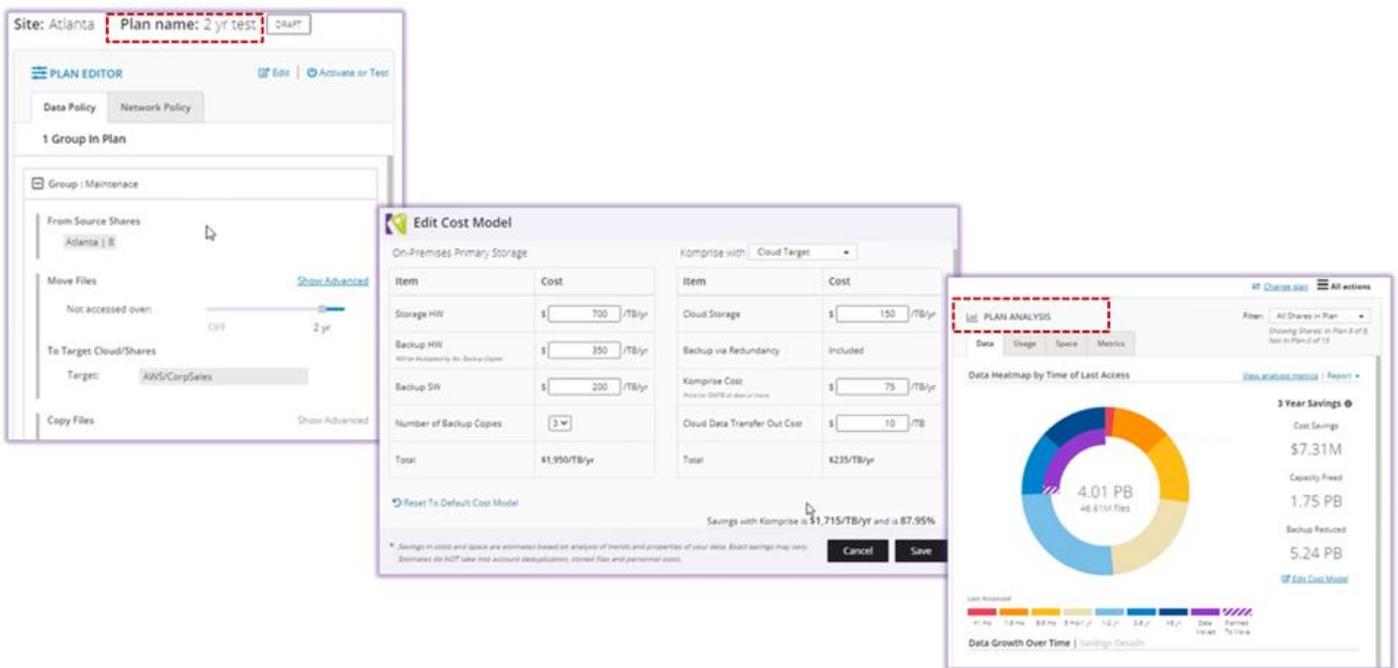
ESG performed a detailed evaluation of the Komprise intelligent data management solution by participating in a solution briefing and an in-depth, hands-on demo hosted by Komprise subject matter experts. The evaluation focused on highlighting the solution’s data management capabilities, including analytics, global indexing, and Transparent Move Technology (TMT) as a SaaS-managed service designed to maximize data’s value.

Comprehensive Data Management

ESG started the evaluation process by exploring the features of the Komprise intelligent data management solution. As shown in Figure 2, we connected to Komprise’s management console and then navigated to the *Plan* tab. From there, we could see all of the data resources in the network. The pie chart graph shows the make-up of that data. Below the pie chart, we can see a breakout of the data, including access patterns, when data was last accessed, and overall data growth. This level of analytics insight allows an organization to start making more intelligent cost-saving decisions.

The next step was to dig deeper into the cost-savings analysis. As shown in the center of Figure 2, a table allowed us to add storage and software costs to different tiers, as well as the Komprise costs.

Figure 2. Data Management and Cost-savings Modeling

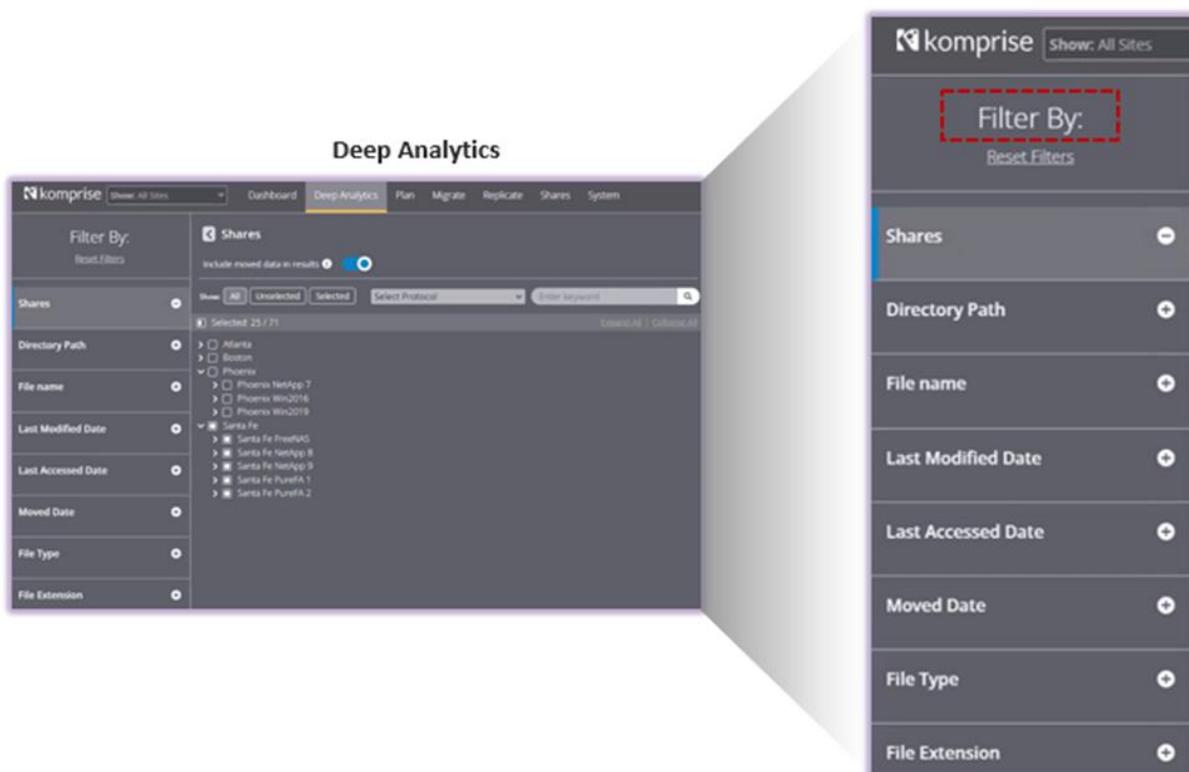


Source: Enterprise Strategy Group

This becomes the baseline for a cost-savings model. When we returned to the pie chart, we could run scenarios such as potential cost savings from moving all files not accessed in a year to a lower tier of storage or longer-term archive—or even if we removed certain groups of aged or non-accessed files. Flexibility exists to run all types of scenarios and visualize the possible benefit outcome.

Next, ESG explored the deep analytics capabilities. Komprise provides visibility across silos, including NAS systems and clouds, as well as across global sites. It is always vendor agnostic. Deep analytics takes the intelligence to another level by analyzing all of the metadata. Figure 3 shows the deep analytics engine and all of the metadata that can be analyzed. Realizing the value of unstructured data is a major challenge. Larger organizations store billions of files and objects in many silos, many times with only limited visibility. This makes it hard to find specific data sets to analyze and even harder to move data across disparate architectures. ESG was able to see how Komprise could rapidly index petabytes of data and billions of files to create a global file index with the ability to search for and find data sets across silos using any combination of tags.

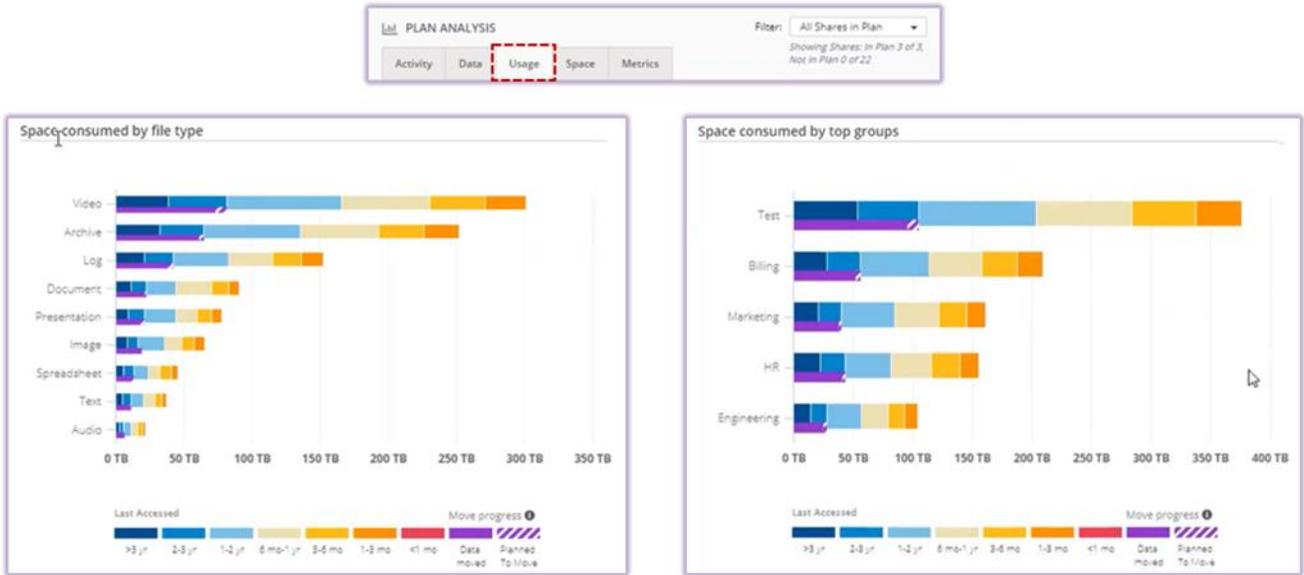
Figure 3. Deep Analytics



Source: Enterprise Strategy Group

Next, ESG looked at the more granular level of analysis from deep analytics, as shown in Figure 4. Queries can be run based on a single site or multiple sites, and data is broken down into reports. An admin can set timelines based on the environment. In this example, the oldest data (not accessed in over three years) is shown in dark blue. The chart on the left side of Figure 4 shows the amount of data by file type, and the chart on the right shows the top groups in the organization. In this example, video is the largest file type, and the test group consumes the most data.

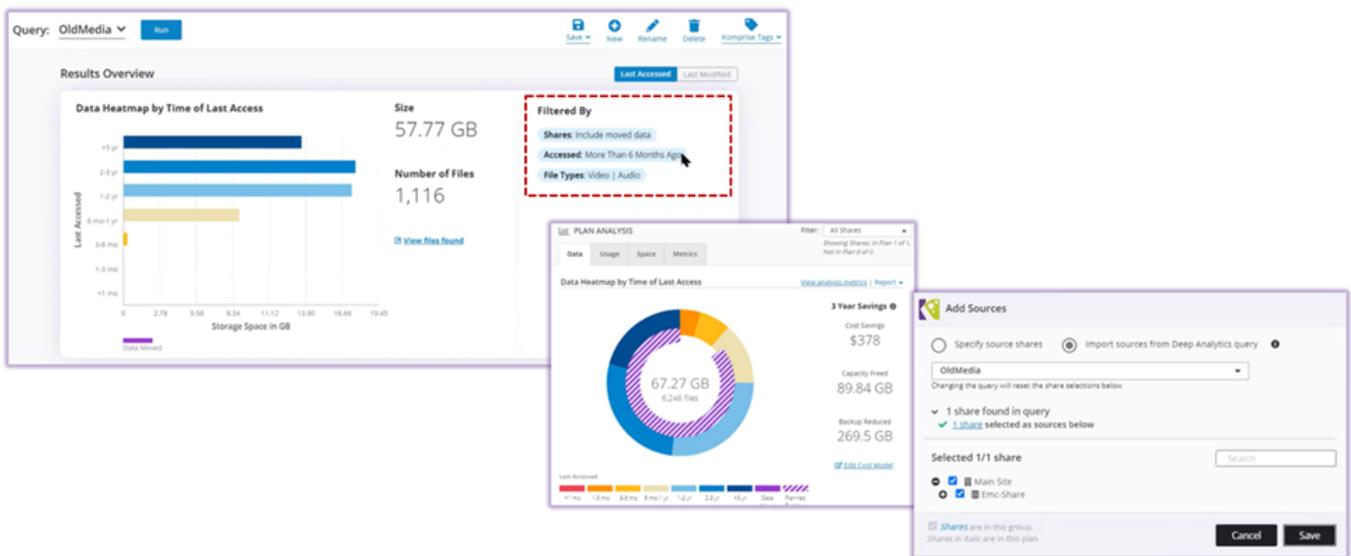
Figure 4. Data Usage Trends



Source: Enterprise Strategy Group

Next, as Figure 5 shows, ESG looked at data-movement capabilities. Using deep analytics, an admin can run a query to identify and move data as a one-time process or as part of a regular routine. In this example, we ran a query called “OldMedia” to identify media files older than three to four months. A total of 1,116 files and 57.76GB of data was identified. We then ran our analysis, which showed a cost savings. From there, we scheduled a move from the source to the lower-cost target. A lower-cost target might be an archive or just a lower-tier of storage, depending on usage needs. The move process is driven by Komprise Transparent Move Technology, which maintains native access in any cloud and is a non-proprietary solution with no agents or stubs. It is also nondisruptive and stays out of the hot data path.

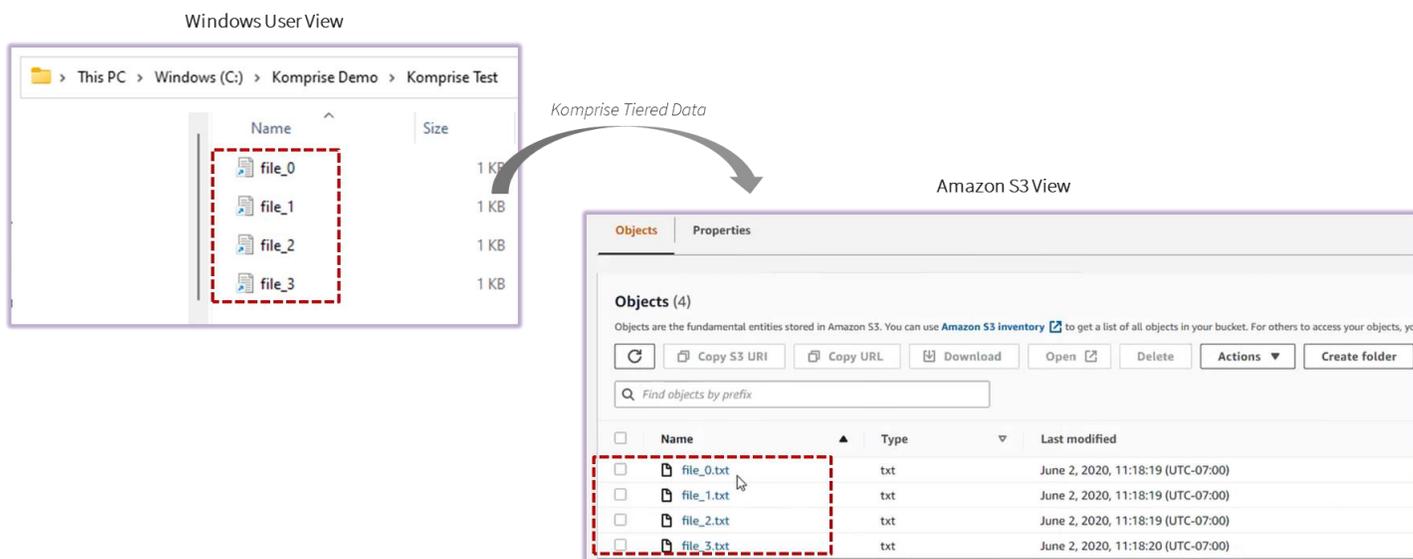
Figure 5. Data Movement



Source: Enterprise Strategy Group

Finally, ESG confirmed that users who need to access files that have been archived to the cloud simply navigate their normal file directories where they will see the files with a standard windows link icon. If double-clicked, Komprise transparently retrieves the data and presents it seamlessly back to the user.

Figure 6. Transparent Access



Source: Enterprise Strategy Group

First Impression

Businesses are dealing with massive data growth and distributed architectures that are inherently creating silos of data in NAS arrays and multiple clouds across global locations. This results in less control and increases the need for visibility to drive costs down while harnessing the value of the data and managing its natural lifecycle. To successfully manage this data, organizations need total visibility to understand the big picture in terms of where everything resides. Then, they need in-depth analysis, followed by near-term and long-term actions to drive down costs and increase value.

ESG's first impression is that Komprise Intelligent Data Management lives up to its name. It can create a global view of an organization's data at petabyte scale, with the deep analytics capability needed to break down that data according to usage patterns, areas of growth, and costing models. With Komprise, IT can model every scenario related to driving down costs and increase data's value. Then, IT can take short- and long-term actions that are non-invasive to move data to its right place based on customer-driven criteria. All of this is managed through an intuitive console to make the process simple. If you are looking for a way to truly capture the value of your data while driving costs down, we suggest taking a closer look at Komprise.

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