TXT e-Solutions Reduces Backup Time by More than 50% Using Cohesity

TXT

INDUSTRY
Technology

USE CASE
Backup and Recovery, Disaster Recovery, File and Object Services

COHESITY SOLUTIONS
DataProtect

DATA SOURCES
AWS, Microsoft Azure, VMware

Key Benefits

- 50% reduction in TCO
- Combined CapEx and OpEx savings of 50% through licensing, infrastructure, and staff efficiency
- 25% reduction in time spent managing data protection processes
- 23% reduction in data storage

Founded in 1989, TXT has always been a pioneer in Digital Innovation. Since 2000 the company has been listed in Milan Stock Exchange, Star Segment. TXT is an ecosystem of digital competencies, with a proprietary smart solutions portfolio with deep expertise in vertical domains. TXT supports its customers in understanding the business paradigm that the new digital world requires, enabling their transformation. TXT is expanding across different markets, with a growing footprint in Aerospace, Aviation, Defense, Industrial, Telco, Government, and Fintech.

TXT is headquartered in Milan and operates with over 15 subsidiaries in Italy, Germany, UK, France, Switzerland, and the US. Today, TXT employs more than 1,300 specialised engineers and highly qualified professionals with more than 30 years of quality-certified experience. The holding company TXT e-Solutions S.p.A, has been listed on the Italian Stock Exchange, STAR segment (TXT. MI), since July 2000.

Over time, the Group has undertaken an important path of acquisitions, incorporating several companies and increasing the range of services and products offered to the market. As a result of this consolidation path, TXT now operates with a main data centre located in Italy, which manages mission-critical workloads, and a data centre in Germany, which hosts the workloads of the local subsidiary. The technology infrastructure for the main data centre is provided in a colocation facility managed by Data 4 Group and located in Cornaredo (Milan), Italy, which is ANSI TIA 942-A (RATING4 / TIER IV) certified and offers the highest speed and security performance.

"

"Cohesity made our data protection processes measurable, auditable, predictable, and reliable. These capabilities have given us the freedom to choose the performance we want to achieve in our data protection processes. It allows us the flexibility to downsize cloud when we run out of resources during a project and to move resources between cloud and on-prem depending on availability."

– **Azamat Uzhangaliyev,** Group IT Manager, TXT

Challenges

TXT protects approximately 80 TB of data while accommodating 10 TB of growth year-over-year. TXT manages its own IT infrastructure with an elastic hybrid model. The main workloads are hosted on-premises, but some of them, being cloud-native, are hosted on public clouds with a multicloud approach that integrates with both Microsoft Azure and AWS. Through Azure, TXT hosts the IaaS environments of some of its customers and also protects on-prem data to the cloud. Through AWS it provides specific services to customers in the Aerospace market, such as data protection for Flight Profile Optimiser applications.

The most valuable data for the company is related to financial information about the company's systems, with a focus on the source codes of software development operations, including those generated by services provided to customers. In addition, financial regulations and GDPR require data retention periods ranging from one to 10 years, and customer demands in the Aerospace and Fintech sectors are equally rigorous.

Against this backdrop, the company was faced with ever-increasing difficulties in data management that forced the need for a major change. At TXT, data loss is not tolerable, as it can seriously jeopardise the company's business continuity; the services and software products developed by the company represent its core business, so the business applications that work on that data are of crucial importance to operate successfully on the market. As a publicly-traded company, downtime is not an option and directly affects the bottom line.

The main challenge was to adopt an agile scaling strategy to accommodate rapid growth. The company also needed to resolve issues before the expiration of legacy platform license agreements, while improving Total Cost of Ownership (TCO).

TXT was aiming for a single, modern data management solution that would fit in well with the company's software-defined architecture, requiring its next data management solution to embrace a hyperscale and hybrid environment. The data management solution needed to guarantee secure and reliable data protection across the entire environment to support efficient data management with fast restores.

Solution

TXT has been a customer of Cohesity since 2018. Initially, it operated with a three-tier infrastructure and was looking for secondary tier storage to host data protection workloads with a long-term archiving strategy. The company started with a complex legacy configuration and was interested in a modern solution that would enable it to run its operations in an efficient, hybrid, and multicloud manner. At the end of 2021, having transformed its main data centre infrastructure into a hyper-converged platform, TXT decided to rely completely on Cohesity for data protection, adopting DataProtect and replacing Veeam, the incumbent legacy solution.

Working in close synergy with Cohesity's system engineers, TXT now utilises most of the data protection features of the Cohesity Data Cloud platform, enabling it to protect its on-prem and cloud workloads, including collaboration environments such as Microsoft 365. TXT relies on Cohesity's backup and recovery, disaster recovery, and file and object solutions.

"Our IT infrastructure has gone through a huge transformation in the last three years, mainly related to the constraints imposed by multiple M&A deals and the resulting integration projects," explains Azamat Uzhangaliyev, Group IT Manager. "We had to operate on a large scale and there was no other option but to do so with smart technologies and cost containment. We embraced the change, accepted the challenge, and completely redesigned our infrastructure without undoing previous investments."

Results

By implementing Cohesity solutions, TXT has modernised its data management processes and accelerated backup and disaster recovery operations. This has resulted in measurable and predictable outcomes. TXT has increased scalability and flexibility, and administrative ease by relying on a single vendor for all data management.

The time required to perform a daily backup has been reduced from up to 32 hours with the legacy environment, to 12 hours today, while maintaining the same source and quantity of data. A full backup of 48 TB of data from the main data centre is performed in 12 hours, with an incremental backup of the same infrastructure in two hours. Recovery times have also shortened from 72 hours to just three hours. TXT can completely restore a 2 TB virtual machine in 50 minutes and find a file in the middle of 80 TB of data in 60 seconds, saving hours of work each week. "We have seen profound performance improvements in our recovery operations as we routinely run tests every month to measure KPIs," Uzhangaliyev explains.

COHESITY

The key benefits achieved by adopting Cohesity's solutions are:

- 50% reduction in TCO based on staff effort, reduction in multiple vendor management and reduced complexity;

- Combined CapEx and OpEx savings of 50% through licensing, infrastructure, and staff efficiency;

- 25% reduction in time spent managing data protection processes, resulting in increased efficiency and productivity;

- 23% reduction in space occupied by data.

"The new normal sees us managing large-scale operations with unpredictable workloads due to rapidly changing business scenarios, even more stringent security requirements, and cloud-native trends that increasingly require best-of-breed approaches to be flawlessly supported. Hence there is a need to make operations smart, cost-effective and future-proof," adds Uzhangaliyev.
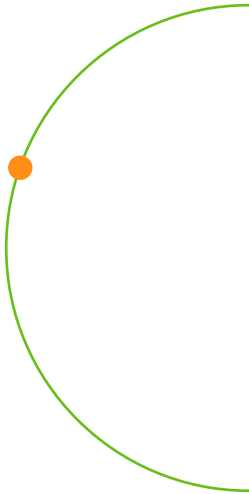
Learn more at Cohesity.com

COHESITY