

Case Study

Median Technologies Strengthens Global Data Protection with TAS France and Asigra



- Reduce backup/recovery costs
- Minimize IT operations
- Satisfy security and compliance requirements
- Provide a more granular log and audit trail and reduce the overall size of the backup environment using data reduction technologies.



Summary

Median Technologies produces advanced imaging software using the company's knowledge of imaging phenomics and backed by its software development expertise. With its imaging solutions, Median specialists analyze and manage medical images with unrivalled accuracy, consistency and quality. In the company's European and North American centers of excellence, the company's focus is on building an exceptional healthcare resource for its international partner network to meet mission-critical medical imaging requirements.

As medical imagery is an essential aspect of healthcare operations, the need to protect that information is of equal importance. Prior to its new direction in data protection, Median Technologies had been collaborating with another backup provider that lacked the ability to meet modern infrastructure requirements. In addition to the need for a more reliable backup platform, the company also sought to reduce backup/recovery costs, minimize IT operations, provide a more granular log and audit trail and reduce the overall size of the backup environment using data reduction technologies.

Customer Overview

Median Technologies is at the vanguard of medical imaging analysis. The company helps medical organizations and bio pharmaceutical sponsors globally to manage end-to-end medical imaging workflows that ensure consistent delivery and timely results in clinical trials. Median's technology extracts standard and novel biomarkers using multiple imaging criteria, providing an unrivalled resource for radiologists and clinicians. Through the use of standardized automated practices, the highest quality standards are achieved, preventing human error and reducing result variability, independent of partner location or level of expertise.

Business Situation

Throughout Median Technologies' distributed IT environment, the company has 30TB of replicated data that leverages a private network and is hosted across two datacenters. Because of the distributed infrastructure and sensitive data across multiple locations, the organization requires a highly secure area to replicate its data to and from. Furthermore, generations of sensitive backup data with sensitive data is required to be archived in large volumes for several years, requiring highly efficient data management and reduction. Having had a positive experience working with TAS France, an ISO27001-HDS, PCI DSS and ISO 9001 certified cloud and managed services provider, Median called on the service provider to evaluate their IT environment and propose a more effective and efficient

CHALLENGES

- GDPR compliance
- Ransomware risk mitigation
- Recoverability confidence and consistency

ASIGRA CLOUD BASED DATA RECOVERY DELIVERS

- Single integrated solution for all data protection needs
- Policy-based protection based on the organization's IT environment and recovery requirements
- Optimization of IT resources for enhanced utilization
- Data encryption that secures data in-flight and at-rest with full support of compliance requirements
- Agentless architecture
- Compliant data features
- High-performance data recovery
- Satisfies ransomware security and GDPR requirements



Businesses today must be in tune with their backup infrastructure for a number of reasons, the primary of which is compliance readiness. Median is very pleased with the enhanced platform as it adds layers of protection that perform well in any situation, regardless of the potential risks that threaten organizations on a daily basis.”

Lionel Faure, Head of Marketing and Partnership for TAS France

solution. After a thorough audit, Asigra Cloud Backup was recommended as the best option for its expertise and capabilities in distributed IT backup and next-generation technology featuring powerful compliance features.

Solution

Median Technologies' selection of Asigra Cloud Backup was made even more effective in that it was delivered as a service by the TAS Group in France, a cloud and managed services provider. While the TAS Group is a large services organization with many practice areas, cloud and managed services can be found in the company's hosting and housing division, where TAS incorporates special procedures for continuity of services and business recovery. For highly regulated industries like financial services and healthcare, all data protection policies are monitored and measured continuously, and the company is certified each year under ISO 9001-2015, IAF33 Datacenter, Hosting and Housing, and others.

The data protection challenges confronting Median and addressed by TAS includes the need for a more granular backup and recovery solution with tighter controls over the recovery point objective (RPO) and recovery time objective (RTO) as these are important components for any data protection plan. The RPO is the maximum allowable loss of data in a certain period of time that would still allow an organization to function

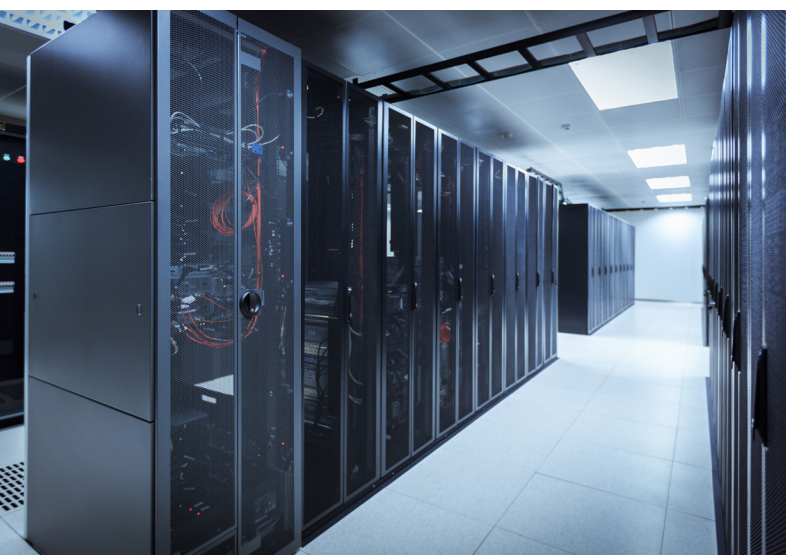
without significant damage. The RTO is the maximum allowable length of time between the disruption in data access to the recovery time of that data. RPO specifies the amount of data while RTO focuses on the amount of time before operations suffer significantly. With TAS Cloud Backup services powered by Asigra, Median is assured of reliable business continuity. Instead of recovery time measured in hours, Asigra returns lost data in minutes, meeting data recovery objectives with a simple, efficient, low-impact and secure solution.

In order to reduce the sheer size of its image-based backup environment, Median's requirements called for a backup platform capable of managing the size of its data protection footprint. Unlike other solutions that may only apply one or two data reduction techniques, Asigra takes more definitive approach, providing data deduplication, advanced compression, and the backup and transmission of only new or changed data, also known as Incremental Forever. These advanced capabilities offer unprecedented efficiencies to the data being captured, ingested, stored and transmitted over the network.

Managing the backup operations team was also a critical concern because of the differing locations that must be consolidated under the same protection umbrella without expanding IT staff requirements and costs. Because of the highly automated features of Asigra Cloud Backup V14, the need for manual intervention was significantly reduced under the oversight of Median and TAS France. Asigra's simple and fast integration with physical, virtual and cloud environments means that users are fully protected regardless of their operating environment.

“ One of the primary areas positioning TAS and Asigra well above the competitive fray was the high levels of backup automation, allowing Median to focus on what they do best – medical imaging addressing. Because of the potentially complex IT situation, TAS service infrastructure combined with Asigra's highly adaptive platform made deployment as clean and simple as possible – streamlining these operations for the customer.”

Lionel Faure,
Head of Marketing and Partnership for TAS France



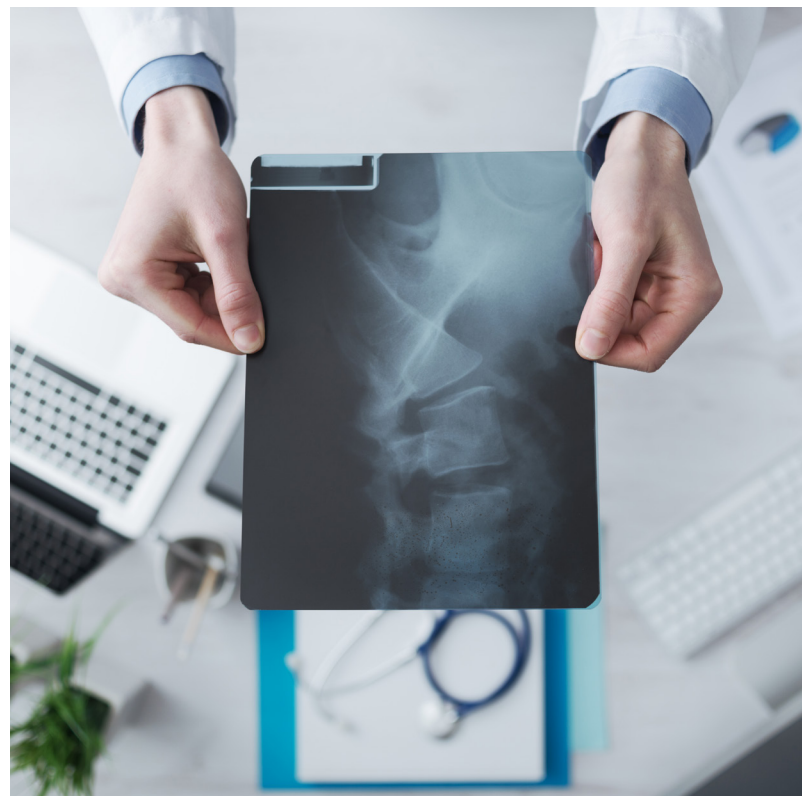
In addition to the technicalities of backup, governmental regulations with severe penalties are raising the stakes for how organizations like Median securely store and manage terabytes of sensitive personal data, especially medical records and images. Industry-first features and certifications such as NIST FIPS 140-2 [certification](#), granular backup file deletion and replication all play an important role for many of the regulations. Median Technologies was under pressure to find an industry leading backup platform with these unique compliance capabilities well represented and Asigra's Cloud Backup V14 fit the bill with one of the broadest range of compliance enablement technologies on the market. For example, Median can delete backup data efficiently and in any generation to meet GDPR data deletion mandates. It is then possible to provide consumers with a certificate as evidence, forming part of an Effective Response to the Information Commissioner's Office (ICO) in Europe.

Results

As part of this deployment, data was ingested using the Asigra platform and transferred to multiple TAS-based backup repositories where the data is now secure and business uptime assured. TAS remote data centers provide power and connection redundancies, ensuring continuity of highly scalable operations. Leveraging the Asigra platform to manage the organization's backup infrastructure, Median Technologies is now confident the sensitive information in their backup environment is stored safely and more securely than was previously possible. Now with the new backup solution fully deployed, Median has experienced measurable benefits, including reduced manpower requirements for backup operations; higher levels of backup system reliability; stronger data security in-flight and at-rest, as well as healthcare industry and GDPR compliance features that are second to none.

“ The new low-touch backup environment by TAS France and Asigra has more than met our expectations. The attention to detail in the TAS/Asigra solution has impressed our team of IT experts, addressing some of the most difficult challenges around backup efficiency, security and compliance. Additionally, the fact that both organizations are certified by the relevant regulatory bodies in the biopharma/clinical trial industry made our decision an easy one.”

Fabrice Lamy,
Senior Infrastructure Manager, Median Technologies



About TAS Group

TAS Group is a leading technology company, providing advanced solutions for cards, payment systems, capital markets and extended enterprise. Our leading-edge software allows both banks and new players in the payments space to deliver and manage frictionless, real-time B2C, B2B, B2G transactions, integrating with and leveraging the latest technologies. From advanced fraud management solutions that exploit the power of Machine Learning, to scalable, modular payment platforms delivered over the Cloud, we empower our customers to unlock the infinite potential of the open and instant era and play an active role in the new payment ecosystem. Trusted by European Central Banks to manage millions of financial messages each day, our 35- year-old reputation in the market and unrivalled domain expertise has made us an internationally preferred partner for commercial banks and corporations. TAS Group has a global reach and offices in 8 countries spanning Europe, of which France dedicated to Housing Hosting and Cloud Services, the USA and Latin America.

More information on TAS can be found at www.tasgroup.fr/.

About Asigra

Trusted since 1986, Asigra Tigris is a multi award winning backup and recovery technology proudly developed and supported in North America, providing organizations around the world the ability to quickly recover their data from anywhere through a global network of IT service providers. As the industry's most comprehensive data protection platform for servers, virtual machines, endpoint devices, databases and applications, SaaS and IaaS based applications, Asigra lowers the total cost of ownership, reduces recovery time objectives, and eliminates silos of backup data by providing a single consolidated repository with 100% recovery assurance and antiransomware defense.

More information on Asigra can be found at www.asigra.com

