

Case Study

Anti-Human Trafficking Intelligence Initiative Protects Data with ShardSecure



ATII seeks protection for mission-critical datasets

The [Anti-Human Trafficking Intelligence Initiative](#) (ATII) is a US-based nonprofit that works to disrupt the markets of human trafficking, child exploitation, child sexual abuse material (CSAM), and money laundering. The organization collects financial data to unravel the highly complex cybercrimes involved in human trafficking, which is estimated by the International Labor Organization to be a \$150 billion industry worldwide.

The ATII uses a combination of prevention, detection, investigation, and reporting mechanisms, including AI/ML tools. The organization relies heavily on large datasets gathered from the internet, dark web, and blockchain in order to find missing children, track suspicious banking transactions, and detect exploitation and human trafficking.

The ATII's datasets, which are also shared with law enforcement to aid prosecution, are at the heart of the nonprofit's operations. Unfortunately, these datasets are also a major target for criminal organizations.

Seeking a robust data security solution

The ATII's top data security concern is protecting its mission-critical datasets from a wide range of cyberattacks. It's a small organization with big enemies, and its work puts it in the crosshairs of powerful trafficking rings with the resources to steal or manipulate data.

For that reason, the ATII's security posture needs to equal or exceed that of large enterprises. It requires robust protection against data exfiltration, deletion, tampering, and other criminal attempts to compromise its work.

Facilitating third-party data sharing

The ATII also needs their security solution to facilitate data sharing via APIs. Collaborating with trusted third parties, including law enforcement and partnerships with public and private organizations, is a vital part of the nonprofit's work. For that reason, its data protection strategy must offer seamless implementation and data sharing.



Protecting mission-critical datasets with ShardSecure

To safeguard its datasets, the Anti-Human Tracking Intelligence Initiative is implementing the ShardSecure platform for data security, privacy, and resilience.

Enhanced data security and threat mitigation

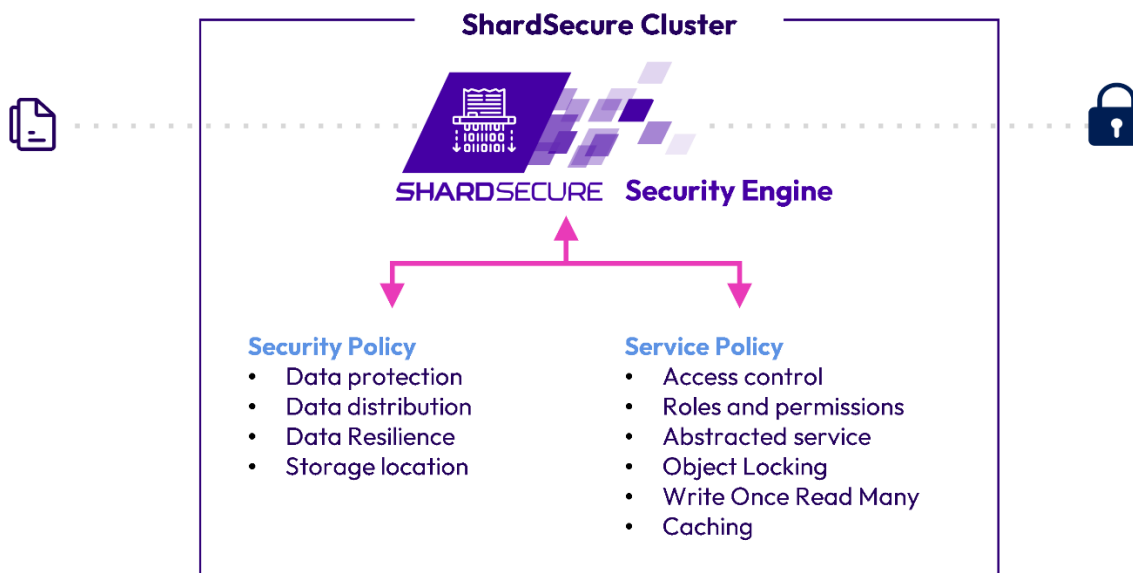
ShardSecure offers an innovative, agentless approach to end-to-end encryption that secures data wherever it resides: on-

premises, in the cloud, and in multi- or hybrid-cloud architectures. The ShardSecure platform effectively secures the ATII's large datasets and mitigates cyberthreats.

- **Data exfiltration.** ShardSecure prevents malicious attackers from exfiltrating critical ATII data by securely encrypting the data at rest. Even if unauthorized users gain access to the nonprofit's datasets, those datasets will be rendered unintelligible and of no value.
- **Data deletion.** ShardSecure mitigates data deletion with its self-healing feature, allowing data to be reconstructed without the need to restore from backups.
- **Data tampering.** ShardSecure uses multiple data integrity checks to detect data tampering by the ATII's adversaries. In the event of a failed check, the platform automatically begins to reconstruct affected data.
- **Ransomware attacks.** ShardSecure mitigates against ransomware with its data integrity checks, self-healing, and high availability. If an attack makes data unavailable or unusable, the platform can reconstruct that data without the loss of business continuity.

Seamless data sharing and user access

The ATII has data sharing requirements to enable secure data exchanges among trusted third parties like law enforcement and a growing number of public and private sector collaborations. ShardSecure's powerful REST API makes it possible for the ATII to not only share data in a secure way but also facilitate the introduction of automated data sharing workflows.



ShardSecure's web interface enables ATII users to have a seamless user experience when encrypting/decrypting data as well as sharing data with third parties. The innovative UI enables users to easily share files regardless of size.

Unified, multi-protocol platform

The ShardSecure platform offers easy integration with the ATII's applications, servers, and other services leveraging cloud storage. The platform also simplifies data storage interfaces, reducing complexity without any changes to the ATII's existing workflows. Data access functions consistently across all clouds without the need to implement specific APIs or connectors.




Discover ShardSecure's benefits today

Robust data protection is essential for any organization that handles vulnerable datasets, but it's especially crucial in the fight against human trafficking. The ShardSecure platform offers enhanced data privacy, security, and resilience with its innovative, agentless encryption solution. With ShardSecure's help, the ATII is better equipped to keep its mission-critical data out of the hands of attackers.


For more information about the ShardSecure data control platform, [contact us today](#).



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