DataStealth

Privacy | Security | Compliance

OUR STORY

Three years ago, Datex went looking for a way to reduce the scope and effort of our annual compliance audit. We had grown tired of the never ending drain on our resources, and wanted a more efficient and cost effective way to maintain our high level of security, privacy and regulatory compliance. We went on a hunt for a way to up our game.

After doing extensive research, we found that most data security solutions are focused on creating a secure perimeter, or alert/monitor solutions, to protect organizations from a network breach. We didn't believe that this traditional approach was effective any longer. And yet organizations continued to do more of the same.

The solutions we found were also difficult to implement, required significant development to our applications and architecture, required the implementation of databases/APIs/add-ons, and ultimately did not really provide Datex with a solution that solved our problem, or enhanced our security profile in any meaningful way.

So we decided to build the technology ourselves.

Once our beta version was complete, we showed it to a few of our clients and partners for their thoughts. They all agreed that we had come up with something simple, elegant and revolutionary that had the potential to stop the theft of data and documents once and for all. One of them even commented that they thought we had created the "Post-it note" of data security. Most importantly, it truly solved a real business problem each of them were worried about on a daily basis; the theft of their proprietary data and documents.

Meet DataStealth

DataStealth is a paradigm shifting data protection solution that provides organizations with an enhanced level of security and privacy for data and documents, and helps ease the burden of risk, regulatory and compliance requirements.

DataStealth is a network based security solution that provides real-time data transformation of both structured and unstructured data. It provides protocol aware processing to detect, identify and transform data using a variety of techniques such as obfuscation, tokenization and encryption.

DataStealth operates at the network layer, protecting data in transit and at rest. You decide what information should be protected, based on your business rules, using extremely flexible, easily configurable data policies. When you need to access your data or documents, DataStealth restores the original information into the data and documents on the fly, but only for authorized users, and only for authorized use cases.

The DataStealth solution does not require the use of agents, connectors, or API calls. There is no need for code, schema, database or other development changes to implement DataStealth. Data transformations and rules are configurable, contextually aware, flexible, and allow preservation of the original format, algorithms, natural sort, as well as other characteristics needed to preserve the integrity and functionality of the existing systems and processes.

Once DataStealth is deployed, there is no longer any private, confidential and sensitive information anywhere in your IT environment. **None**. And since there is no private, confidential and sensitive information anywhere in your IT environment, your environment is not susceptible to the theft of that data.

With DataStealth, intruders cannot steal what is not there.

Business Benefits

DataStealth has a number of business benefits, and many DataStealth customers achieve these benefits within days by leveraging DataStealth's unique ability of to be implemented without requiring any code, application or other development changes.

PCI Audit Scope Reduction

By removing payment card information before it reaches downstream systems, there is a significant reduction in the scope and size of your annual PCI audit. All systems and processes continue to function normally using substitute values, and real data is placed back in the flow only as needed.

Data De-identification and Anonymization

Sometimes known as scrambling, DataStealth can remove private, confidential, and sensitive information from data and documents, on the fly, in real-time. Production data being sent to development environments only contains substitute values. Shared record sets are anonymized for research and analytics, removing any risk of misuse.

Cloud Enablement

Removal of important data before it leaves your environment allows for use of Cloud Apps, and Cloud storage, without the inherent risks. By removing Personally Identifiable Information prior to sending data to the Cloud, the Cloud becomes a risk-free option, without privacy and risk concerns.

Data Residency

DataStealth can be placed "in country", so that all Personally Identifiable Information (PII), Payment Card Information (PCI), or Personal Healthcare Information (PHI) data is removed from data before leaving a regulated jurisdiction. Rules can be applied to the re-identification of the data to ensure that it can only be viewed in the country of origin. Offshore development, out of country ERP, and hosted CRM are just a few examples where DataStealth provides significant enablement.

Sophisticated yet Simple

Deployment
DataStealth is a plug and play solution. No application development. No code to write. No software or database to install. No API/agents/browser plugins. No Key Management.

Deployment Options
The DataStealth appliance can be deployed on physical hardware, or as a virtual appliance (on most hypervisors). Datex offers a number of deployment options including On-Premise (Customer Managed), On-Premise (Datex Managed), Hosted (Shared), and Hosted (Private).

Enterprise Integration
DataStealth was designed to integrate into existing enterprise architecture and services. DataStealth is multi protocol/application/tenant capable, and a single DataStealth instance can be used to service multiple applications and use cases for an enterprise. DataStealth is stateless, and can scale up and out as required. Integration with corporate directories is supported (Integrated Access control (LDAP/AD). All logging and system monitoring can be directed to existing corporate SEIM and Log systems including performance monitoring & integration, metrics and events.

Data Backups
The DataStealth product is designed and deployed with full fault tolerance, and can use multiple locations to ensure there is no loss of data.

Disaster Recovery / Failover
The DataStealth solution was designed as a high availability, fault tolerance solution. It supports active/active or active/passive topologies that can span multiple locations.