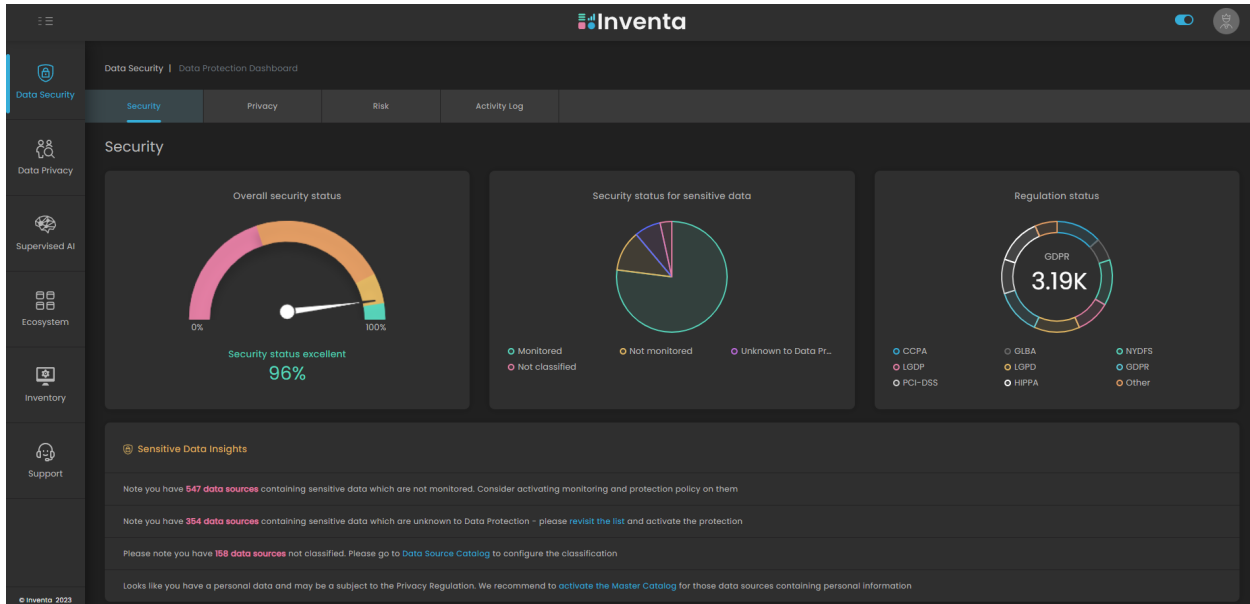# 1touch.io Inventa
Solution Brief

Sensitive data intelligence delivers 1000x faster data-driven decisions for security, privacy, compliance, and data governance professionals.

Protecting sensitive and personal data is more complicated than protecting general data – it is more carefully regulated, and both customers and the public respond differently to changes in personal data management, as well as breaches that threaten this type of data. The most crucial element is awareness of how and where personal sensitive data enters the organizational network – and how and where it is disseminated and stored.

1touch.io Inventa is a sensitive data intelligence engine that uses data discovery and classification to deliver automated, near real-time discovery, network mapping, and tracking of personal sensitive data at the enterprise level with the help of techniques that include AI/ML, NLP, and network analytics. It generates a master catalog inventory of sensitive data - down to the PII or data element level - that associates disparate data elements with the relevant data object, as well as providing data lineage, business context, transaction history, and the location of all copies of every data element.

HIGHLIGHTS

- Automated continuous data discovery with proven cost savings up to **10% of security budgets**

- **96% accurate classification out-of-the-box and 99%+** with minimal tuning

- Easy install to see value **within minutes**

- **Save up to 50%** on storage costs via identification and orchestrated remediation of ROT data

- Platform driven by **AI/ML** for contextualized and enriched data

- Identification of new and/or **unknown data** repositories

- Structured, unstructured data on cloud, on-premises or mainframe

- **Proven scalability** to environments of any size – both scaling up and out via Kubernetes

- **Open APIs** for easy integration to any security, privacy or governance tools

- automation via **ServiceNow** integration for automated remediation workflows

- **OOB integration** with IBM Guardium & QRadar, Splunk, Alation and more

1touch.io Inventa can easily integrate with 3rd party solutions that can leverage the information **1touch.io Inventa** provides for data protection, data governance, risk management, risk assessments, and privacy management.

The Network Approach

Blindness to personal sensitive data usage within the organization exposes the enterprise to risk, not only from non-conformity to regulatory requirements, but also due to excessive hoarding of personal sensitive data when not needed. It's a security issue as well, not just a privacy one. Many organizations struggle with legacy systems that can identify personal data but only after you manually identify the data source..

1touch.io Inventa uses a proprietary passive network packet capture process to assist in discovering sensitive data throughout the organizational network. This helps **1touch.io Inventa** to identify repositories (DB, applications, file systems, log files, etc.) where sensitive data resides and scan them to get full visibility into the depth and breadth of the data. **1touch.io Inventa** then analyzes and consolidates the identified data into a master catalog inventory that connects the information to business context, and allows users to access, view, and export the data to support a variety of business cases.

By analyzing traffic on an autonomous and continuous basis, as well as data repositories connected to the network, *1touch.io Inventa* can detect all elements on the network that are storing, processing, and sharing personal sensitive data, both outside and inside the network. It can crawl any repository or database either confirmed to or suspected of processing personal sensitive data, whether it is known or unknown to the enterprise. In this way, *1touch.io Inventa* can give a truly holistic view as to how and where personal data is being used, whether it is data in motion or data in rest, structured or unstructured, on a file server, database or on a mainframe..

For data in the cloud, Inventa connects in the same way it does on-prem, via READ-only credentials, to discover and classify data stored in cloud applications (CRM systems, Collaboration Platforms) Cloud Databases (Snowflake), Datalakes and cloud file systems (AWS S3 buckets, GCP) with the same level of accuracy and scalability offered for on-premises systems. This combined view offers customers unparalleled visibility and control across the entire data estate, not just for particular platforms.

1touch.io Inventa scales with the organization, scanning and discovering on-premises, mainframe and cloud network elements. New repositories are discovered and scanned with minimal manual direction, maintaining low labor costs even as the organizational network grows and the amount of data continues to accumulate.

Machine Learning to Drive Scale, Performance and Accuracy

The amount of data in the modern enterprise is staggering and growing at exponential rates. Today's tools struggle to keep up using static methods that require human intervention. *1touch.io Inventa* utilizes advanced machine learning to drive scale, performance, and accuracy.

The system is built with neural networks and unsupervised learning at its core. This approach means that the system gets smarter and faster as it scans more data and learns more about an organization. When scanning a large data source, *1touch.io Inventa* will first scan to build a topology of the data source that informs where sensitive data is stored down to the record level.

Then, for subsequent scans, it will focus on the locations where it has detected sensitive data previously. Using this approach, *1touch.io Inventa* has delivered up to 60% improvement from scan to scan of billion-record data sources, ensuring market-leading performance and scale.

Accuracy is top of mind for users, especially when business decisions are being made using sensitive data. 1touch.io Inventa employs a SupervisedAI wizard that lets the user quickly and easily validate sensitive data to boost accuracy and reduce false positives. This method of labeling data for ML-model training, at scale, leads to 99%+ accuracy.

Addressing Your Security, Governance and Privacy Needs

Organizations need to comply with different data security and privacy regulations, which are growing in complexity and scale. To keep pace, *1touch.io Inventa* provides near real-time visibility into the location and context of sensitive data across the network and cloud resources and enables you to assign policies on the data asset levels. Organizations will be able to feed this sensitive data intelligence into existing security platforms to implement policies around personal data via rule sets, and rule definition using business terminology, without requiring translation into technical operations or any human intervention.

1touch.io Inventa offers advanced data management capabilities via tagging of data sets and individual files at a granular level, sensitivity labeling and orchestrating remediation. Identification of redundant, obsolete, and trivial (ROT) data enables organizations to reduce their attack surface and save on storage costs. Sensitivity labeling, at scale, helps security, governance and compliance teams meet corporate policies and audit requirements. Business context groupings, such as GDPR customers or U.S. employees, makes it simple for users to understand risk based on logical groupings and ensure the proper controls are in place to abide by different regulations and rules.

1touch.io Inventa's DSAR preparation, entity configuration and identification, and tagging capabilities allow users to associate repositories and networks in

different locations with different business, operational, and alerting rules. Tags and entity rules can be easily updated and immediately applied to all scanned repositories and network elements.

Sensitive Data Intelligence for your Organization's Needs

1touch.io Inventa scans both structured and unstructured data in the cloud, on-premises and mainframe, and builds a relationship map between personal data and the data subject with which it is associated. All data sources, repositories, file systems, and cloud systems are detected and scanned automatically. This provides autonomous visibility into sensitive personal data across the enterprise, allowing you to assess the risk level of security events and respond accordingly.

Sensitive data is defined differently based on the organization. For some, this means PII or PHI, but for others this is trade secrets and IP. *1touch.io Inventa* has the flexibility to discover whatever data is deemed sensitive to the organization. The system utilizes document classification and fingerprinting to discover IP and trade secrets in unstructured repositories – including OCR capabilities and image classification.

An emerging area of concern for organizations is their usage of cryptography and encryption. This is especially relevant with advances in quantum computing that will render classical encryption almost useless against these advanced machines. *1touch.io Inventa* has two core capabilities to help with cryptographic discovery and vulnerability. Utilizing the network scanning capabilities, *1touch.io Inventa* can find usage of encryption-in-motion such as TLS or SSL and also understand if sensitive data is flowing through those tunnels. Recently added to the product is the ability to discover unmanaged encryption in central storage by finding keys, secrets, passwords and protocols. These artifacts need to be migrated to a KMS or HSM for higher security, so *1touch.io Inventa* is extending its discovery and classification capabilities to the world of cryptography and encryption.

Finally, with the explosion in GenerativeAI and Large Language Models leading to a rush for unstructured data, 1touch.io Inventa acts as a gatekeeper to ensure only approved data is used. By integrating with leading data lakes, warehouses and data sources for model training, 1touch.io Inventa can flag sensitive data before a model is trained, creating a layer of governance and security to ensure responsible AI.

Flexible Deployment and Easy to Support

1touch.io Inventa's distributed containerized architecture supports deployment of multiple Analytic Appliances that aggregate data into the Console Manager, which creates a central inventory. *1touch.io Inventa's* software can be installed on 1touch.io physical appliance(s) or a virtual machine (Amazon VPC (Virtual Private Cloud), Google Cloud Platform, or Microsoft Azure). Analytic Appliances can be installed as a physical or virtual appliance.

1touch.io Inventa is agentless. It combines support for security, privacy and compliance in a single platform reducing redundancies. It also decreases the error rate by reducing manual oversight requirements. You can install the solution locally to reduce costs and increase performance. Once in production *1touch.io Inventa* is virtually maintenance-free and only requires minimal oversight each month to maintain.

Summary

1touch.io Inventa provides the most accurate AI/ML driven discovery and classification across on-premises and cloud data sources in the industry. Its containerized architecture allows for multiple deployment options, and for scale up and scale out implementations which means Inventa is up and running quickly, giving you the data you need, to make better, data driven business decisions.

Visit us at 1touch.io to learn more or to schedule a free consultation and demo.