

1touch.io Inventa 3.0

Solution Brief

Sensitive data intelligence powered by next-gen data discovery and classification for security, privacy, and data governance

Protecting sensitive and personal data is more complicated than protecting general data – it is more carefully regulated, and both customers and the general 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

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**
- Platform driven by **AI/ML** for contextualized and enriched data
- Identification of new and/or **unknown data** repositories
- Discovery of structured and unstructured data at rest or data in motion, across the hybrid multicloud environment including 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
- **Full data lineage** and history for complete visibility

copies of every data element. **1touch.io Inventa** can easily integrate with 3rd party solutions that can leverage the information **1touch.io Inventa** provides for risk management, risk assessments, incident response, 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 tell you where your personal data is...once you can tell the system where your personal data is.

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, in the cloud, on-premises or on a mainframe, and especially if known or unknown.

1touch.io Inventa scales with the organization, scanning and discovering on-premise, mainframe and cloud network elements. New repositories are

discovered and scanned with minimal manual direction, maintaining low labor costs even when the organizational network grows.

Addressing Your Security 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 enables you to assign policies on the data asset levels. Organizations will be able to feed this sensitive data intelligence into existing IT investments, for example, with IBM Security Guardium Data Protection to configure policies around personal data via rule sets, and rule definition uses business terminology, without requiring translation into technical operations or any human intervention.

1touch.io Inventa offers DSAR workflow, entity configuration and identification, and tagging capabilities that 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.

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.

Flexible Deployment and Easy to Support

1touch.io Inventa's distributed 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)). 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.

Unified Security and Privacy with IBM Security

Adopting a zero-trust approach to data privacy and security and privacy means never assuming anyone or anything is trustworthy, but continuously verifying whether access to personal data should be granted based on contextual information. IBM Security can help put zero trust into action with unified data security and privacy workflows, strengthened by contextual insight and connected solutions. By working with ***1touch.io's Inventa***, the solution's continuous discovery, monitoring, and cataloging help round out necessary security capabilities for zero trust.

IBM Security Guardium Data Protection is a modern, scalable data security platform that is ready to meet the demands of today's progressing environments. It protects sensitive and regulated data across multiple cloud environments while managing compliance obligations, discovering where sensitive data lives, encrypting and monitoring what's important and reducing your risk while responding to threats. A new, asynchronous, and bidirectional integration with ***1touch.io Inventa*** provides Guardium Data Protection with location of sensitive data and automatically updates policies with new data sources as well as data sources that are not being monitored but should be. Guardium Data Protection sends its current monitored data sources so ***1touch.io Inventa*** can discover unknown unknowns rounding out the full data security picture.

IBM Security Guardium Insights is a data protection solution that leverages advanced analytics to help uncover risk and threat patterns, prioritize data security and compliance activities based on automated risk-based scoring and alerting, and take immediate action to remediate incidents. To respond efficiently to risk and compliance issues, Guardium Insights works with **IBM Security SOAR Breach Response** to open an investigation and take mitigating actions collaboratively with relevant stakeholders from security, privacy, legal, etc. The Breach Response platform helps guide organizations in their response with detailed tasks and instructions, to comply with global, federal, and state regulations. To inform these activities, **1touch.io Inventa** provides much needed context about the data that was compromised. **1touch.io Inventa** enriches the security and privacy analytics from Guardium Insights and preloads critical information in Breach Response that is required for a targeted and thorough investigation and response plan that meets compliance requirements