



COMFORTE SOLUTION BRIEF

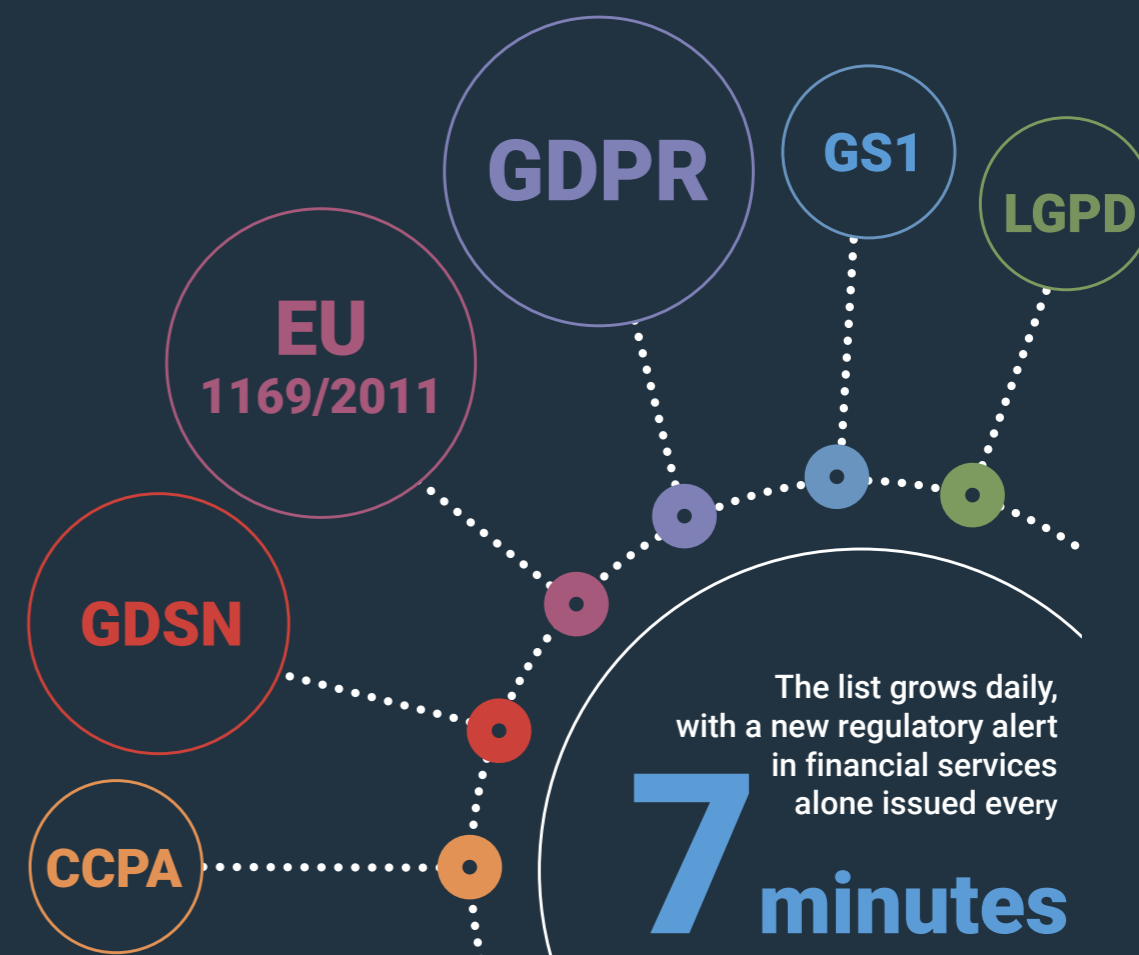
COMFORTE - Data Security Platform



DIGITAL COMPLEXITY REQUIRES DATA PROTECTION

Growing complexity of digital business ecosystems. Ever-present data exposure risks. Increased pressure to be in compliance with evolving regulations. These conditions are forcing businesses to find and adopt new data security and privacy standards. Unfortunately, most solutions are proving to be incomplete, overly difficult to use, and incompatible with modern DevOps practices.

We take a different approach. With powerful data privacy, data security, and automation technology, organizations can be more agile and still meet their compliance needs, secure their own applications and products, and embrace SaaS, cloud, and cloud-native strategies.





Agile Data-Centric Security

Threat actors are still successfully bypassing legacy defenses. One overlooked security hole or vulnerability, and suddenly attackers can find a way through. And don't forget about inside jobs.

Many traditional data security solutions are actually pre-cloud and pre-regulation, with lengthy and complex deployments and only minimal risk mitigation value.

“ Breaches can cost **billions** of dollars in shareholder value ”



You Need an End-to-End Solution

Power through regulatory roadblocks with measurably reduced risk

Protect sensitive data at its earliest point of entry into your systems
Reduce the need to expose the data over the entire data lifecycle

Implementing data-centric security requires a platform that not only offers protection methods fitting your specific use cases, but that also allows you to identify and classify data-sets and perform data analytics across all of them. A data-centric solution must enable you to integrate into your enterprise applications and existing cyber security infrastructure.

Our data security platform comprises three integrated services to enable a comprehensive end-to-end data security strategy: SecurDPS Discovery & Classification, SecurDPS Enterprise for data protection integration and monitoring, and SecurDPS Connect.



DISCOVER & CLASSIFY

Instrument Sensitive Data Discovery as a Continuous Process

INVENTORY

Identify Data, Ownership, Lineage & Flows

POLICY

Enable Data Security as a Service from the CI/CD

PROTECT

Instrument Data Security in applications

DEPLOY

Reduce Implementation cost and effort. No code to low-code

Comforte Data Security Platform



comforte delivers a powerful holistic data security platform with integrated security policy management





Discovery and Classification

Intelligent and automated data discovery and privacy management for compliance

This AI-driven and policy-based solution can understand the contextual nature of sensitive data and drive ongoing automated discovery. It can learn patterns of identity, scan and sample data to rapidly map where data resides, and help determine which data is regulated and exposed across structured, semi-structured, and unstructured data sets.

The solution can quickly associate data sets with data lineage and then identify data movement in live applications and workflows, building an up-to-date catalog. This is not only beneficial for compliance but also allows you to manage risk by knowing where potential dangers actually are in your data sets.

“ Know your data ”



Data Protection

Holistic data protection with linear scalability and fault tolerance. Comforte's data security platform uses the results of discovery to determine data protection policies. It is a scalable and fault-tolerant solution enabling successful protection of sensitive data with minimal effort and with little to no impact on existing applications. With built-in automatic failover, scaling, and load handling, we've taken care of the complexity so you don't have to—speeding up deployment, avoiding even more complexity, and ensuring business service levels are where they need to be.

Protection methods by Comforte can secure any sensitive structured data while preserving the meaning, utility, and value of live data in your environment. For many applications, including analytics and test, development, processing can run on protected sensitive fields without requiring live, clear data – reducing risk and compliance scope across a large number of scenarios.

Comforte offers a variety of data protection methods, including industry-standard-based data tokenization, encryption, next-generation format-preserving encryption, data masking, and hashing.

Using a micro-services approach, the system is designed for scalability, fault tolerance, and high performance. It handles any outage transparently to the applications that are utilizing protection services.

The protection system that handles the conversion from live to sensitive data enables granular control, visibility, audit, and reporting over all sensitive data access. For policy management and enforcement for sensitive data, companies can leverage standard IAM infrastructure. The platform also creates a solid audit trail and allows stakeholders to gain real-time insights around data protection in the enterprise.



Deployment

SecurDPS Enterprise reduces implementation costs and effort to a minimum in order to shorten project time and avoid service interruptions. The basis for our platform is the flexible and sophisticated integration framework, which allows multiple layers of data protection for new and existing applications

Full automation for operation, data protection, audit, and logging

Comforte's data security platform is built on an Infrastructure as Code model, enabling automated data security provisioning and delivery with orchestration systems like Kubernetes. APIs enable secure control over system management, operations, and audit streams. In addition to machine interfaces, GUI editors and audit consoles provide simple interfaces for operations.

Web, Cloud, and SaaS Applications - rapidly reducing potential exposure

Comforte's data security platform secures data in systems not controlled or managed by your organization. It accelerates protection of structured, semi structured, and unstructured data in modern web, cloud, SaaS, COTS apps, and database-driven applications without coding. It can learn patterns of data use in applications, then instrument data protection automatically.



Transparent integration

Comforte's data security platform allows "snap-in" integration to processes identified as high risk during data discovery. In many cases, data protection can be achieved without having to change the respective application. Transparent integration is also available for files, streams, databases and pipes ranging from JDBC intercepts to native Apache Kafka integration. This allows sensitive data to be effectively secured on the fly at capture and therefore over its entire lifecycle.

APIs

Enterprise applications can also utilize powerful APIs including Java, .NET, REST, and modern lean RESP (Redis standard) for integration in any language or script.

A modern, reliable data-security architecture

Comforte's data security platform seamlessly integrates with other enterprise data protection solutions and provides a comprehensive and mature set of capabilities that enable data-related risk reduction. The result is a reduced time to success with a more streamlined transition.



Flexibility and Elasticity

From Hybrid to Multi-Cloud to Cloud Native

Comforte's data security platform offers multiple deployment options. The elements of our platform can run fully distributed across your environment including on-premise, cloud-based, or hybrid deployment options. It is already cloud native, with full integration into auto-scaling, self-healing, metrics, logging, operation, and control via APIs in modern stacks and CI/CD pipelines.

No matter what kind of innovative solutions, new APIs, new business partners, or new technologies you need to enable, you can rest assured that your core remains secure.

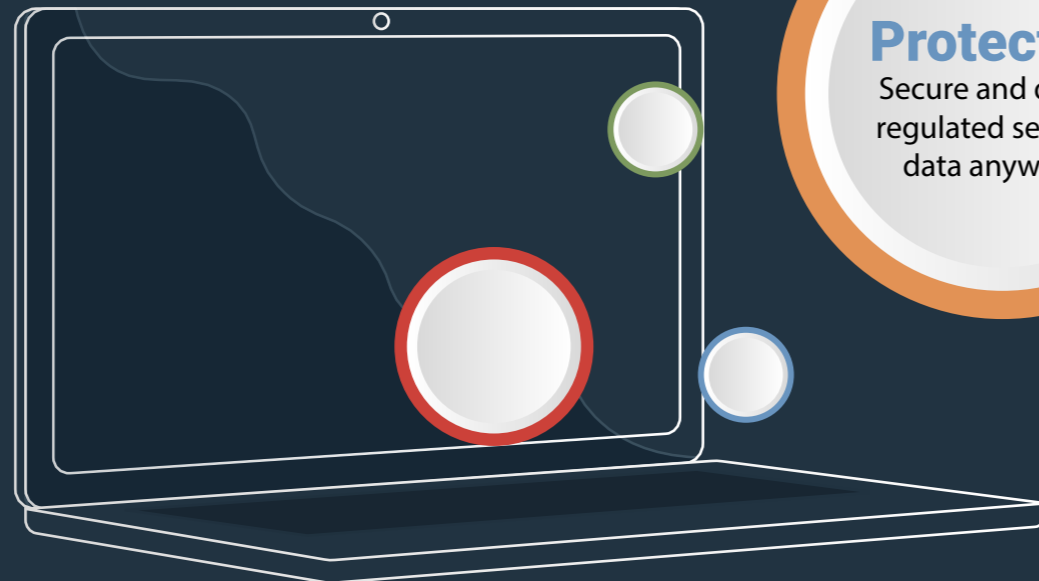




Solution Summary

When used together, the full SecurDPS platform can enable organizations to understand all of their sensitive data assets. With powerful levels of visibility—including a better and more rapid understanding of data privacy risks as well as visibility into lineage and use of data—your organization can gain a unique and powerful perspective for planning privacy compliance, implementing cloud migrations, and then measuring your breach risks in a quantitative manner.

Besides discovery, the ability to instrument data protection over sensitive data in a consistent and intuitive manner at scale provides total control over sensitive data, wherever it goes. This facilitates cloud migration, SaaS adoption, deeper data science, and other high-value activities involving sensitive data without data-leakage exposure.



Protection

Secure and de-risk regulated sensitive data anywhere

Cloud Native

Design and operation

Automation

Automated data discovery, Classification and data privacy operations



A complete platform for data lineage detection across a scaled enterprise, combined with data protection to reduce discovered data risks.



Secure Your Growth

