Accelario Data Masking Module

Quickly and easily anonymize production data to ensure privacy-compliance and increase delivery velocity and quality

The Challenge: Privacy requirements are creating DevOps bottlenecks

In today's hyperconnected world, database cyber attacks have become a daily occurance, causing governments to step up regulatory oversight over how organization handle sensitive, identifiable data. To ensure that organization comply with these stringent privacy regulations, DevOps teams are spending more and more of their time masking data for use in less secure, non-production environments.

However the reality is that many organizations don't mask their data because their DevOps personnel simply aren't skilled in data masking processes. To perform these highly complex procedures DevOps needs to understand which data requires masking as well as have in-depth system integration capabilities to connect all the moving parts. While some organizations use in-house tools to support data masking, the process is time-consuming and oftens produces suboptimal results; they only partially mask the data, leaving the organization exposed to hefty regulatory fines.

With in-house and traditional data masking solutions, significant time is spent on identifying sensitive information, while tracking new exposures in live databases is an ongoing, resource-intense challenge. Digital Protection Officers (DPOs) struggle to understand which environments are secure and which ones contain private data that exposes their organization to regulatory risks. If that wasn't enough, effective masking requires full mastery of complex privacy regulations to ensure that anonymization processes are compliant. Additionally, to avoid costly mistakes and keep bugs down to a minimum, masked data needs to be production-like and maintain referential integrity between systems.

With organizations increasingly adopting agile methodologies that mandate data autonomy and independent, self-provisioned testing environments, DPOs are struggling to track and monitor it all. New environments are constantly being created and populated with data, challenging DPOs to understand which environments are secure and which ones contain private data that exposes their organization to regulatory risks.

This reality means that high-performance organizations are challenged to provide their engineering teams with production-like data that empowers business agility and fast, high-quality releases.

The Solution: Fully automated, continuous provision of production-like, masked data

Accelario's Data Masking module takes the pain out of data masking with high-speed provision of production-like data via a fully automated, privacy-compliant pipeline. Production data structure and referential integrity is delivered throughout the process to ensure that masked data is of the highest quality and that it maintains the data source's uniqueness and consistency. Masked data conforms to production database data types and maintains referential integrity including original structure, conventions, consistency and format.

Organizations benefit from full visibility into their privacy exposure using the Accelario Privacy Dashboard, which leverages advanced search algorithms based on lookup lists and AI. Accelario Privacy Monitor delivers real-time alerts whenever it detects potential exposures created by new data in the production server. Instantly scan non-production data sources in one-click to detect potential privacy issues and easily drill-down to locate and handle any exposed data.

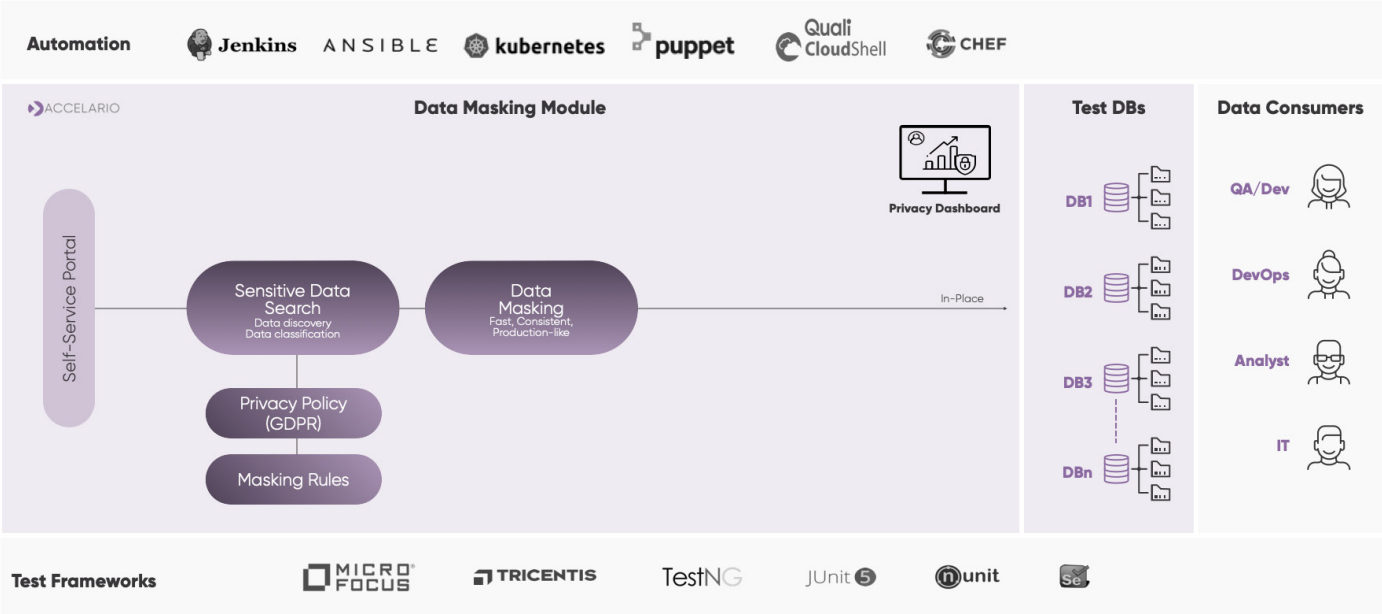
Privacy guidelines including GDPR, CCPA, HIPAA and PCI are built into the system, enabling organizations to verify compliance with policies in just a few clicks. Advanced search rule customization options empower organizations to create their own, bespoke privacy policies that meet their unique business needs.

ACCELARIO

The Accelario Advantage

The Accelario Data Masking module enables in-place masking via an intelligent, sensitive data search engine to easily locate and mask sensitive data. Data masking is performed in accordance with either customized or predefined masking policies (e.g. GDPR, HIPAA). Masked data is transformed into production-quality data which preserves referential integrity with minimal user intervention throughout the masking process.

- **Future-proof privacy concerns**
  Accelario Privacy Dashboard provides clear indications of current and future privacy exposures, with real-time email alerts. DPOs can instantly scan all non-production data sources for privacy issues in just one click and easily drill-down to any exposed data source.
- **REST APIs**
  Automate data operations to ensure streamlined compatibility with CI/CD and modern software delivery pipelines. Integration with DevOps tools like Jenkins and Ansible Tower empowers automated data provisioning.
- **Production-like masking**
  Continuously deliver high-quality data that helps QA, dev and analyst teams get their jobs done while keeping mistakes and bugs down to a minimum.
- **Self-service**
  User-friendly portal that enables anyone to easily create environments with privacy-compliant, production-like data for any purpose.
- **Sensitive data search**
  Intelligent search engine leveraging advanced search algorithms composed of lookup lists and self-learning AI-technology.
- **High-speed data masking**
  Industry-leading scanning and masking speeds.



www.accelario.com
info@accelario.com

ACCELARIO