



Protecto Vault –Data Privacy and Utility in Perfect Balance

Protecto Vault safeguards your sensitive data with robust identification, masking, and secure storage. Our intelligent data tokenization replaces sensitive information with machine-understandable tokens, preserving data utility while protecting PII and confidential details. Our vault empowers you to strike the ideal balance between data privacy and unlocking value from your data.

This datasheet outlines features that safeguard your data and enable accurate, secure Gen AI applications.

For in-depth descriptions, visit

www.protecto.ai/privacy-vault



Sensitive Data Scanning

- **Advanced AI Identification** Utilize Protecto’s cutting-edge AI models for robust and accurate identification of PII and other sensitive data.
- **Structured/Unstructured Data Scanning** Identify and protect sensitive information regardless of data format or structure.
- **Surpassed Accuracy and Recall** Independently verified to outperform popular services like AWS Comprehend and Microsoft Presidio.
- **Customizable Identification Models** Extend core models with organization-specific patterns for tailored data masking.



Advanced Masking

- **Sensitive Data Masking** Mask PII and confidential information across structured and unstructured data
- **Consistent Masking** Maintain data context and relationships with consistent masking of the same PII/PHI entities across sources.
- **Format-Preserving Masking** Retain format and data type integrity (e.g., phone numbers, dates) for reliable downstream analysis and reduced noise.
- **Targeted Masking** Control exactly which data elements are protected



Privacy-Preserving Features

- **Anonymization** Irreversibly remove sensitive data to ensure maximum protection in required scenarios.
- **Pseudonymization** Replace sensitive data with realistic substitutes, safeguarding privacy while enabling some analytics.
- **Attribute & Role-Based Unmasking** Grant granular access and visibility controls based on user roles and specific data attributes.





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Built for Gen AI

- Superior Accuracy: Preserve data context and relationships, leading to accurate analysis and more meaningful AI insights.
- Secure Data Privacy Vault: Centrally store and manage sensitive PII with a zero-trust approach for heightened protection.
- Finetuning Instructions: Provides fine-tuning instructions to the LLMs to improve the understandability of the masked data and the response accuracy



Flexible API Options

- Realtime APIs: Consume scan, mask, and unmask APIs in real time
- Asynchronous APIs: Ideal for large data processing such as creating embeddings for RAG or ETLs
- Bulk APIs: Mask sensitive data across billions of rows of data. Ideal for data migration projects



Extend /Customized Data Masking

- Customized Masking: Control exactly which data elements are protected
- Extend Our AI Models: Adapt to your unique sensitive data types by adding custom patterns and identification models
- Bring Your Own Models: Extend our capabilities with any existing internal specialized identification systems or logic
- Industry Specific Sensitive Data: Get industry-specific protection for banking and healthcare through our specialized AI model add-ons

Trusted By Global Brands





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Deployment

- Flexible Deployment Choose between SaaS, on-premise, or private cloud to best suit your security and infrastructure needs.
- Air-Gapped & Data Residency Compliant Ideal for highly sensitive scenarios, ensuring total processing and storage control within your environment.
- Simple API Integration Rapidly connect with your current systems
- Turnkey APIs Get up and running quickly in minutes with our developer-friendly, easily integrated APIs.



Security & Compliance

- SOC 2 Compliant Demonstrates commitment to robust security practices
- Entropy-Based Tokenization Provides maximum protection and minimizes risk in the event of a breach
- Zero Trust security Zero Trust approach eliminates implicit trust, rigorously verifying every network interaction and minimizing breach risks
- Strong Encryption All communication between Protecto's APIs and customer environments utilize TLS 1.2+ encryption
- HIPAA Compliant Offers HIPAA compliant privacy vault, Protecto signs BAA



Designed for Enterprise

- Name spaces (Multi-Tenancy) Securely support multiple projects and data owners within a single instance for efficient resource management.
- Automatic Scaling Maintain optimal performance and responsiveness even under fluctuating usage demands.
- Audit Capabilities Get audit reports on scan, mask, and unmask activities. Helps to meet your compliance needs
- Identity Management Access is governed through role-based profiles, groups, and single sign-on (SSO) and MFA requirements

