



EnclavaVault

Effortless Encryption Solutions

Protect **What Matters**. Without Changing How You Build

EnclavaVault is a modern data security platform that protects sensitive information through encryption, tokenization, masking, secure storage, and secret management—without requiring application refactoring or expensive database licensing.



✓ OVERVIEW

EnclavaVault acts as a security layer between your applications and data sources, providing a suite of services designed to minimize breach impact, simplify compliance, and enable privacy-by-design architecture.



Stronger Data Security



Regulatory Compliance



Faster Implementation



Lower Total Cost of Ownership

⚠ PROBLEMS WE SOLVE



Rising Cyber Threats

Increasing attacks, ransomware, and data breaches targeting PII and critical data.



Weak Database Protection

Sensitive data stored in plain text is a high-value target for attackers.



Hard to Change Existing Applications

Traditional encryption requires complex refactoring and costly database licensing.



Regulatory Pressure

Indonesia PDP Law enforcement requires adequate technical measures to protect personal data.



Growing Data Volume

Digital transformation leads to more sensitive data traffic and greater exposure.

📦 CORE CAPABILITIES



Database Encryption & Tokenization Proxy

- Transparent encryption and tokenization
- No application changes required
- Database agnostic
- Partial search support
- HSM integration (PKCS#11)



Data Masking Proxy

- Dynamic & static data masking
- Real-time masking policies
- Sensitive field obfuscation
- Flexible configuration



Secure Storage Bucket

- Centralized PII/PHI vault
- Token-based storage
- Secure REST API
- Audit trails
- External persistent secure bucket



Secret Manager

- Static & Dynamic secrets
- API key management
- Credential rotation
- CI/CD integration
- Lease lifecycle management
- HSM integration



Enterprise Security Foundation

- Encryption at rest and in transit
- Access control & policies
- Audit logging
- Zero-trust ready
- Compliance-ready architecture

KEY BENEFITS



Protect Sensitive Data

Protect PII and critical data at rest and in transit.



Achieve Compliance

Meet regulatory requirements and reduce legal and financial exposure.



Accelerate Security

Deploy quickly with zero application refactoring and minimal disruption.



Lower Total Cost

Avoid expensive database licensing and complex migration projects.



SOLUTIONS IN ACTION

1. DATABASE ENCRYPTION & TOKENIZATION PROXY



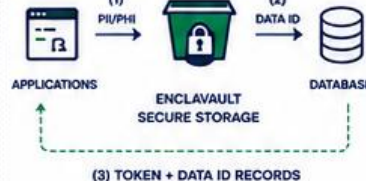
- Transparent encryption/tokenization for databases
- No application changes required
- Partial search support
- Database agnostic
- HSM integration (PKCS#11)

2. DATA MASKING PROXY



- Real-time dynamic or static masking
- Protect sensitive data from internal exposure
- Configurable masking policies
- Works with encrypted or plain data

3. SECURE STORAGE BUCKET



- Centralized and encrypted PII/PHI vault
- Token-based storage to reduce risk and compliance scope
- Secure REST API for easy integration
- Full audit trails and access logging
- External persistent secure bucket

4. SECRET MANAGER

STATIC SECRETS



DYNAMIC SECRETS (COMING SOON)



- Manage static and dynamic secrets
- API key management
- Credential rotation & lease lifecycle
- CI/CD and DevOps integration
- HSM integration & access policies

HOW IT WORKS (AT A GLANCE)

- INTERCEPT**
EnclavaVault proxy intercepts data between applications and data sources.
- PROTECT**
Data is encrypted, tokenized, or masked based on configured policies.
- STORE / FORWARD**
Protected data is stored or forwarded to the destination.
- ACCESS**
Authorized users access data safely with decryption or masking applied in real time.



DEPLOYMENT OPTIONS



HYBRID ENVIRONMENT SUPPORT

On-Premise / On-Cloud: Deploy anywhere. Supports native bare-metal, private or public clouds (AWS, Azure, GCP) without lock-in.



FLEXIBLE ARCHITECTURE

Linux Systemd / Containerization: Fits enterprise environments via standard Linux services or modern DevOps (Docker, K8s).



SCALABLE & RESILIENT

Single / High Availability (HA): Scale from single-node dev proxies to multi-node HA clusters for zero-downtime production.



ENTERPRISE-GRADE SECURITY

KMS FIPS / HSM: Security tiering for any risk profile. Supports standard KMS or tamper-resistant HSM for strict regulation.

SOLUTION BENEFITS



STRONGER DATA SECURITY

Protect sensitive data at rest and in transit with encryption, tokenization, and masking—even if your perimeter is breached.



ACHIEVE COMPLIANCE

Meet regulatory requirements and reduce legal and financial exposure.



ACCELERATE SECURITY

Deploy quickly with zero application refactoring and minimal disruption.



FLEXIBLE & FUTURE-PROOF

Database agnostic, infrastructure agnostic. Adaptable to any environment and technology stack.



LOWER TOTAL COST

Avoid expensive database licensing and complex migration projects. Lower total cost of ownership.



OPERATIONAL EFFICIENCY

Simplify secret management and data protection with centralized policies and automation.

IDEAL USE CASES



BANKING & FINANCIAL SERVICES



GOVERNMENT INSTITUTIONS



HEALTHCARE & HOSPITALS



INSURANCE PLATFORMS



E-COMMERCE



TELECOMMUNICATIONS



ENTERPRISE SaaS & CRITICAL INFRASTRUCTURE

WHY ENCLAVAUPT?

- ✓ Protect sensitive data without changing your applications
- ✓ Encrypt, tokenize, mask, store, and manage secrets in one platform
- ✓ Reduce compliance risk and operational complexity

- ✓ Flexible deployment for any environment
- ✓ Enterprise-grade security with HSM support
- ✓ Built for performance, scalability, and reliability



“EnclavaVault empowers organizations to secure sensitive data effortlessly through encryption, tokenization, masking, and centralized secret management—without disrupting existing applications or infrastructure.”