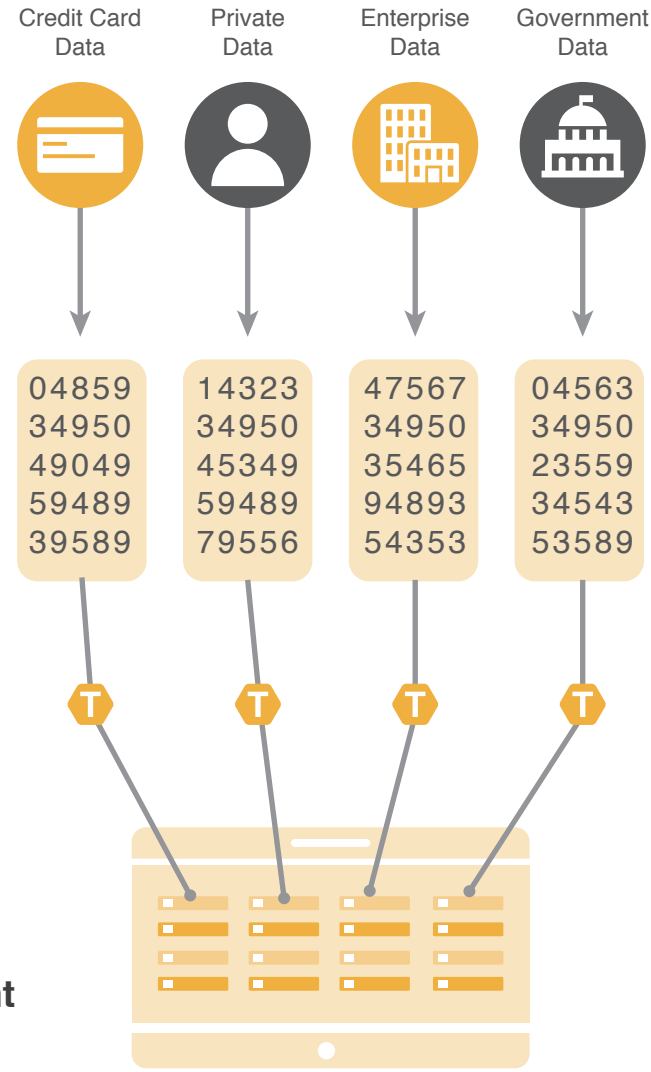
PROUDUCT BRIEF

SecuredTrust - Data Masking

Ultimate Solution to secure your precious data

Problem

In today's digital world, all kind of data flood in enterprises' database and were used to process diversified transactions every day. In the same occasion, enterprises are counting the soaring threat toward data security, more data enterprises manage, higher chance the enterprise becomes an aimed target of hackers and malicious software. The traditional protections are not sufficient to provide the vigorous protection anymore. Enterprises have to adopt more powerful and flexible methods in managing the data security.



Our Solutions

SecuredTrust is a robust data protection solution which offers an innovating & secured measure by transforming all precious data to de-identification token, facilitating virtualized token-vault in providing flexible management of data format and security categories. SecuredTrust boosts all kind of data protection with the unparalleled efficiency of data-token converting to meet enterprises' various business needs. In summary, enterprises can adopt SecuredTrust to secure their centralized / decentralized database, Payment Confidential Info, PII Protection, and Regulation Compliance (GDPR, HIPAA).

Cross-Departments Security Management (CDSM)

In managing Data Security, enterprises which possess multiple branches / subsidiaries are required to implement a complicated data protection rule and a huge amount of security investment. SecuredTrust Cross-Departments Security Management (CDSM) apply the tokenization technology to the separated database and manage the actual data in a secured / centralized token vault. SecuredTrust CDSM helps enterprises who have to manage data in scattered places, via the de-identified data(tokenization) to resolve the data breach risk.

Assists enterprises to build a PCI-DSS compliance Environment

When Enterprises are in payments & transactions scenario, Payment Card Industry Data Security Standard compliance become essential. SecuredTrust PCI-DSS (PDS) provides enterprises a turnkey solution equipped with technology of de-identifying Primary Account Number and relevant payment info into dedicated token to conform PCI-DSS criteria. SecuredTrust PDS as well engages the virtualized token vault to store the actual PAN/payment info in isolating from malicious attacks.

Data Masking (DM) of centralized / decentralized database

TaiPay SecuredTrust Data Masking (DM) provides sophisticate data masking technics to assist various data management in centralized / decentralized database, the actual data were safely segregated in the virtualized token vault. Actual data can only be accessed via the authorized / secured-bind token, which ultimately enhance the security protection of centralized / decentralized database and a itself can act as a great tool to execute strict privacy control.

Technical Specifications:

- **Enhanced Tokenization**
- **API specifications for public cloud environment**
- **Virtualized Token Vault Technology**

Features

a. Public Cloud: TST PDS provides the remote/secured PCI-DSS compliant environment to help customer store PAN & PII safely via API engagement.

b. Private Cloud: TST PDS assists customer to build the PCI-DSS compliant environment in the private IDC as well to protect the PAN & PII info within enterprise domain utilizing Virtualized Token Vault Technology to substantially reduce enterprise total cost of the PCI-DSS Private Cloud.

c. Payment gateway readiness: TST PDS is built on PCI-DSS compliant environment and offers enterprise a ready-to-go payment gateway, engaging the payment solution in no time.

d. Privacy Control: TST DM utilizes the masking technology to hide the selected data facilitated with Tokenization plus our prefund ruling technology to form the limited recognition of the data subject.

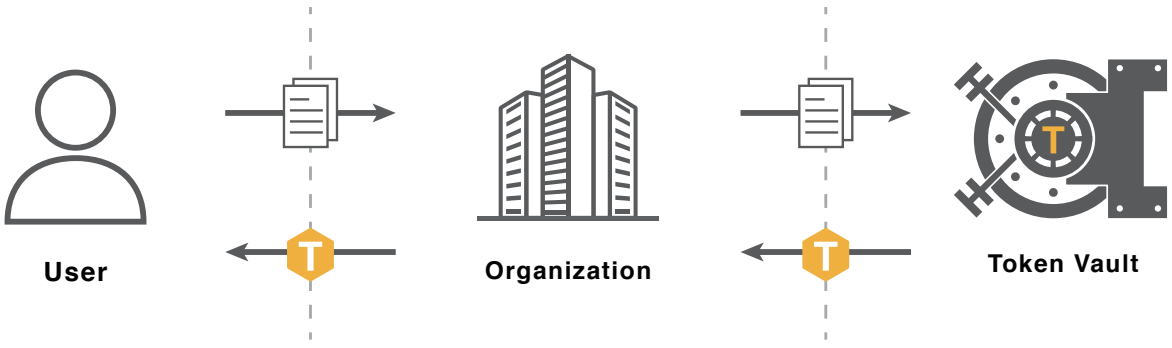
e. Token Vault: TST DM enforces the real data protection via a secured vault allocated at the PCI-DSS certified environment.

f. PII/PAN: TST DM protects PII/PAN via replacing the real data with the tokenized data, the real data are securely protected and utilized only by controlled token.

g. TST LS utilizes the tokenization technology to prevent the locally stored data from breach. Substituting the PII info with Tokenization.

h. TST CDSM utilized the tokenization in a central vault, helps enterprise to do the aggregated management of the security. Especially the enterprise is in large business structure.

How it works:



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Version 1.0 2018