

CipherTrust Transparent Encryption for Teradata Vantage

Comprehensive protection for all Teradata database volumes



Fast, scalable, secure

Key benefits:

- High-performance encryption solution for Teradata database
- Protects against data breaches
- Protects all data within Teradata environment
- Complies with data security mandates
- Boost security without compromising the value of big data analytics
- Simplifies data security administration

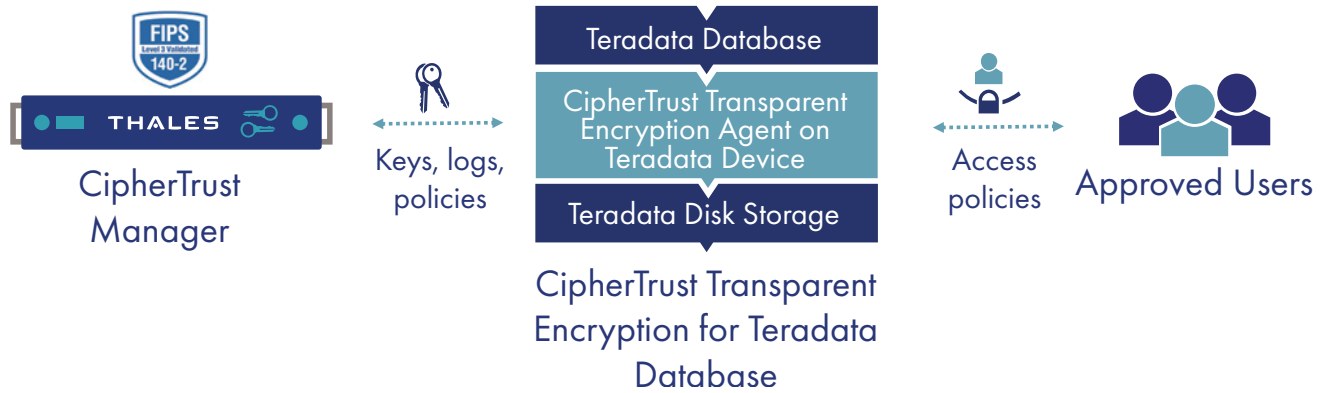
Complex analytics workloads need to be distributed and acted upon quickly

Teradata transforms how businesses work and people live through the power of data. Their big data analytics solutions enable organizations to more fully leverage information to fuel improved decisions, products, services and business results. To enable this, Teradata-powered environments bring together a wide range of corporate data repositories —including those that contain sensitive assets. Without proper protections, sensitive assets can inadvertently be exposed by privileged administrators, or be the target of theft by malicious insiders and external attackers.

Securing sensitive data while preserving Teradata performance

Insufficient security controls expose organizations to fraud and data breaches, both from the outside as well as the inside. For example, when security is handled within the database, the DBA can have control of both the database and cleartext data. Databases, by design, centrally aggregate data, and in turn, present a focal point for thieves. This data can vary widely and include sensitive, regulated resources, like customer payment data, patient records and intellectual property. If the database is not controlled or configured correctly, there is potential for insider abuse, as well as advanced persistent threats, where an attacker imitates a privileged user.

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Thales and Teradata secure sensitive data warehouses

CipherTrust Transparent Encryption for Teradata Database simplifies the process of securing sensitive records, with file system-level encryption backed by centralized key management, privileged user access controls and detailed data access audit logging. CipherTrust Transparent Encryption for Teradata makes it fast and efficient to employ robust data-at-rest encryption in Teradata environments, on premises, or in the cloud. The solution offers block-level encryption in Teradata databases. With CipherTrust Transparent Encryption for Teradata your organization can gain the comprehensive, granular controls required to secure the most sensitive assets while harnessing the high performance that is required to support processing intensive big data workloads. CipherTrust Transparent Encryption deployment is simple, scalable and fast, with agents installed at the operating file-system or device layer. Encryption and decryption is transparent to the database and all applications that run above it. CipherTrust Transparent Encryption addresses data security compliance and best practice requirements with minimal disruption, effort, and cost. CipherTrust Transparent Encryption's implementation is seamless and keeps both business and operational processes working without changes even during deployment and roll out. Working in conjunction with the FIPS 140-2 up to Level 3 validated CipherTrust Manager which centralizes encryption key and policy management for the CipherTrust Data Security Platform.

Why use Thales CipherTrust Transparent Encryption with Teradata Vantage?

- Centrally manage encryption across your Teradata database
- Enforce granular controls to enable administrators to perform operational tasks, without accessing sensitive data in the clear
- Centrally manage encryption keys and policies
- Boost security without compromising the value of big data analytics

- High-performance encryption solution for Teradata database
- Establish protections against cyberattacks and abuse by privileged users
- Reduce costs and administrative overhead relative to other data protection solutions for Teradata

CipherTrust Transparent Encryption for Teradata Database works seamlessly with the CipherTrust Manager, a hardened, FIPS certified appliance for data protection policy administration and key storage. With the CipherTrust Manager, you can centrally manage keys and access policies for CipherTrust Transparent Encryption for Teradata Database, other CipherTrust Data Security Platform solutions and third-party encryption products. With the CipherTrust Manager, you can manage keys and policies for CipherTrust Transparent Encryption, which can be used to protect your Teradata Database.

CipherTrust Transparent Encryption only supports SLES 12 SP3 (Kernel 4.4.126-94.22.1) and later.

About Teradata

Teradata is an enterprise software company that develops and sells database analytics software subscriptions. Teradata delivers real-time, intelligent answers, leveraging 100% of the relevant data, regardless of scale or volume of query. And we do it on-premises, in the cloud, and anywhere in between.

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.