

DataStax Enterprise

DataStax Enterprise (DSE), built on Apache Cassandra™, delivers what Internet Enterprises need to compete in today's high-speed, always-on data economy. With in-memory computing capabilities, enterprise-level security, fast and powerful integrated analytics and enterprise search, visual management, and expert support, DataStax Enterprise is the leading distributed database choice for online applications that require fast performance with no downtime.

Vormetric Solutions: Key Features

- Provides a single console for managing all data-at-rest security policies
- Delivers enterprise-class security architecture, scale, and performance
- Secures source data, DataStax Enterprise environment, and analytics
- Enables enforcement of least-privileged user access policies
- Offers external key management

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PARTNER SOLUTIONS BRIEF

VORMETRIC AND DATASTAX ENTERPRISE: DELIVERING ROBUST AND COMPREHENSIVE SECURITY CONTROLS IN BIG DATA ENVIRONMENTS

Without the right security in place, big data can mean big problems. Combined, Vormetric and DataStax enable organizations to quickly establish big data environments that deliver high performance and enterprise-grade security.

Boost Performance and Security

DataStax delivers Apache Cassandra™, the leading distributed database technology, to the enterprise. Apache Cassandra™ is built to be agile, always-on, and predictably scalable to any size. DataStax Enterprise delivers a range of security features, including internal authentication, Kerberos authentication, object permission management, SSL encryption of transmissions between clients and nodes, data auditing, transparent data encryption and more.

With Vormetric solutions, administrators can institute data-at-rest encryption that delivers additional layers of security in DataStax environments. Vormetric enables organizations to secure sensitive data across their big data environments, offering capabilities for transparent encryption, application layer encryption, user access controls, and security intelligence

With Vormetric, organizations can secure sensitive data within the DataStax platform, including data stores, system logs, and configurations. Vormetric enables organizations to enforce security policies both at the file system level as well as within the data store at the field or column level

Quickly and Efficiently Institute Strong Controls

By leveraging DataStax Enterprise and Vormetric solutions, organizations can achieve the following objectives:

- Strengthen security. With these solutions, you can block unauthorized users and processes from viewing DataStax database files in the clear. With Vormetric solutions, you can get the encryption with external remote key management, visibility, and controls you need to secure data and address relevant compliance mandates.
- Streamline administration. Vormetric solutions provide comprehensive capabilities that enable administrators to centrally manage encryption, keys, and policies across their infrastructures and environments. As a result, these solutions simplify security administration and reduce total cost of ownership.
- Deploy quickly. Vormetric solutions feature transparent implementation, which means you don't have to modify applications to employ data-at-rest encryption. As a result, you can quickly and efficiently institute the controls you need.

Address Key Compliance Mandates and Security Threats

Establish and sustain compliance. For organizations tasked with complying with such mandates as the and the Health Insurance Portability and Accountability Act (HIPAA), it is imperative to establish strong, persistent, and auditable controls over sensitive data. Vormetric solutions offer the robust encryption, key management, and access controls that organizations need to comply with the most rigorous standards—and ensure regulated data remains safe from unauthorized access.

“The ability for the enterprise to bring sensitive and regulated data to a DataStax environment is creating massive new possibilities.”

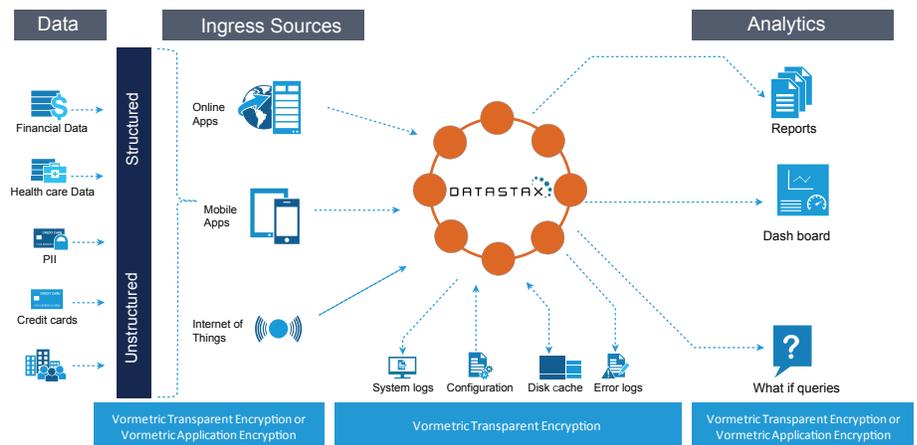
Arun Gowda
Director, Business Development
Vormetric

Prevent insider threats. Many organizations are struggling to contend with the acute vulnerabilities posed by compromised credentials of privileged users or abuse by malicious insiders. Vormetric offers robust capabilities for establishing safeguards against these insider threats. With the solutions, security teams can establish controls that separate privileged users from sensitive data. In addition, the solution delivers separation of administrative duties, granular access controls, detailed security intelligence, and more that can mitigate the risks of insider abuse.

Gain protection from data loss. In the wake of increasingly sophisticated attacks, traditional security defenses continue to be compromised. With Vormetric solutions’ robust encryption, organizations can ensure that sensitive data remains safe, even after a breach. By implementing these solutions, and ensuring data remains encrypted and unusable by outside attackers, organizations may be able to avoid forced breach disclosures required by compliance mandates and privacy regulations.

Secure Sensitive Assets Across the DataStax Environment—and Beyond

DataStax environments bring together massive volumes of data, as well as many disparate forms of data, including structured and unstructured files. In addition, these environments are comprised of several distinct areas, including data sources, DataStax services, and analytics. Vormetric and DataStax partnered to deliver the vital capabilities needed to secure all these areas and all these different forms of data. With the companies’ combined solutions, organizations can address their data-at-rest security objectives across their physical, virtual, and cloud environments—and they can secure any type of files and databases that contain sensitive information.



Vormetric’s comprehensive security solution for the DataStax Enterprise distributed database management platform

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About DataStax

DataStax is the fastest, most scalable distributed database technology, delivering Apache Cassandra to the world’s most innovative enterprises. Datastax is built to be agile, always-on, and predictably scalable to any size.

With more than 500 customers in 45 countries, DataStax is the database technology and transactional backbone of choice for the world’s most innovative companies such as Netflix, Adobe, Intuit, and eBay. Based in Santa Clara, Calif., DataStax is backed by industry-leading investors including Lightspeed Venture Partners, Meritech Capital, and Crosslink Capital. For more information, visit DataStax.com or follow us @DataStax.

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