



GAZZANG

INDUSTRY

Data Security

WEBSITE

www.gazzang.com

COMPANY OVERVIEW

Gazzang provides transparent data encryption and advanced key management to help enterprises secure sensitive information in Big Data environments.

PRODUCT OVERVIEW

Meet compliance initiatives and protect sensitive data at rest with Gazzang zNcrypt and zTrustee. Gazzang zNcrypt is a Cloudera-certified transparent encryption solution for the Linux file system, leveraging the industry-standard AES-256 algorithm. Gazzang zTrustee manages the zNcrypt keys and enforces access policies.

SOLUTION HIGHLIGHTS

- > Rapid, automated deployment at each node, with no changes to the Cloudera application
- > High-performance data protection that meets standards for compliance and safeguarding PII and scales with your Big Data environment
- > Process-based access controls prevent unauthorized parties from accessing sensitive data
- > Software-based key manager adds multiple layers of policy and protection for encryption keys and other digital artifacts

Cloudera and Gazzang Partner to Deliver Enterprise Data Security to Hadoop Users

- > Does your Big Data platform contain sensitive or regulated information about your customers, employees, or business?
- > Are you contractually obligated to keep customer information secure?
- > Do you use hosted services, where data is stored beyond your control?

A positive answer to any of these questions requires a discussion of data security. Cloudera and Gazzang are partnering to ensure our customers' sensitive data is protected from unauthorized access or attack and meets strict compliance requirements for HIPAA, PCI-DSS, SOX, FERPA, and European Data Privacy regulations.

Security that scales with your big data environment

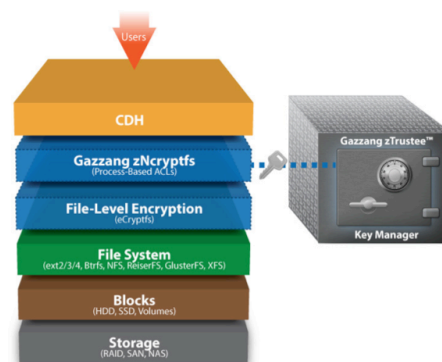
Cloudera delivers unparalleled performance, scalability and flexibility for Hadoop. Gazzang adds enterprise-strength data security that scales along with your Big Data implementation and runs at peak performance (low-single digits) whether the data resides in the cloud, on-premises or in a hybrid environment.

Gazzang zNcrypt™

Gazzang zNcrypt helps ensure the security and confidentiality of your Cloudera Enterprise data, whether in the cloud or on-premise. The high-performance solution transparently encrypts and secures data at rest without any changes to your applications, storage or data. In fact, the applications utilizing the encrypted file system will be completely unaware of zNcrypt's presence. Process-based access controls provide an added layer of protection to prevent unauthorized processes and systems from accessing the encrypted data.

Gazzang zTrustee™

Gazzang zTrustee is a software-based secure vault for Gazzang zNcrypt keys and any other digital artifact (SSL certificates, SSH keys, configurations, etc.) that must be secure and policy controlled. The solution functions like a virtual safe-deposit box, supporting a variety of robust, configurable, and easy-to-implement policies governing access to these artifacts.



Why Encrypt?

Mounting U.S. industry regulations like HIPAA and PCI-DSS and strict data privacy regulations in the European Union require organizations to secure data wherever it is written to disk and vigorously protect the encryption keys. Organizations that encrypt are often able to claim safe harbor, meaning they are exempt from reporting a data breach should one occur.

Benefits of Cloudera Enterprise

- > **Powerful** – Store, process and analyze all your data to drive competitive advantage.
- > **Efficient** – Hadoop unifies compute and data to improve operational efficiency.
- > **Open** – 100% open source: CDH is the world's most popular open source distribution powered by Apache Hadoop.
- > **Simple** – Easy to deploy and operate with centralized administration.
- > **Compatible** – Leverage your existing investments for rapid adoption and lower total cost of ownership.
- > **Economical** – Rethink the economics of data management with an open source platform on industry-standard hardware – up to 90% more cost effective than traditional solutions.
- > **Enterprise-ready** – Equipped with critical capabilities to support mission-critical operations.

Benefits of Gazzang Security

- > Quickly meet compliance for HIPAA, PCI-DSS, FISMA, EU Data protection, and more
- > Mitigate the risk of a breach leading to the exposure of sensitive data
- > Maintain Big Data performance, availability and scalability
- > Enable fast, easy deployment in massively distributed Big Data and cloud environments
- > Prevent unauthorized access to sensitive data

This simple step can save an organization millions of dollars in fines and mitigate any long-term damage that occurs from a breach, including loss of customer trust and revenues.

Data encryption and key management are especially important in public cloud environments where sensitive data is stored beyond your control and may be accessible by unauthorized administrators. The right combination of policy and access controls is critical in preventing this type of activity.

Gazzang zNcrypt and zTrustee together deliver a powerful solution that ensures Cloudera Enterprise data remains secure and available only to the programs and processes that need it.

About Cloudera

Cloudera, the standard for Apache Hadoop in the enterprise, empowers data-driven enterprises to Ask Bigger Questions™ and get bigger answers from all their data at the speed of thought. Cloudera Enterprise, the platform for Big Data, now with Cloudera Enterprise Real Time Query powered by Impala, enables organizations to easily derive business value from structured and unstructured data to achieve a significant competitive advantage. Reinventing the economics and performance of Big Data management, Cloudera is the category leader in Apache Hadoop-based software, services and training. CDH (Cloudera's Distribution Including Apache Hadoop), is the most comprehensive, tested, stable and widely deployed distribution of Hadoop in commercial and non-commercial environments. For the fastest path to reliably using this completely open source technology in production for Big Data analytics and answering previously un-addressable big questions, organizations can subscribe to Cloudera Enterprise, comprised of Cloudera Manager software and Cloudera Support.

About Gazzang

Gazzang provides data security solutions and expertise to help enterprises protect sensitive information and maintain performance in Big Data and cloud environments. Our technology enables some of the world's largest SaaS vendors, health care organizations, financial institutions and public sector agencies to meet regulatory compliance initiatives, secure personally identifiable information and prevent unauthorized access to sensitive data and systems. The company is headquartered in Austin, Texas and backed by Austin Ventures and Silver Creek Ventures.