



Partner Brief

Protegrity Big Data Protector for HDP



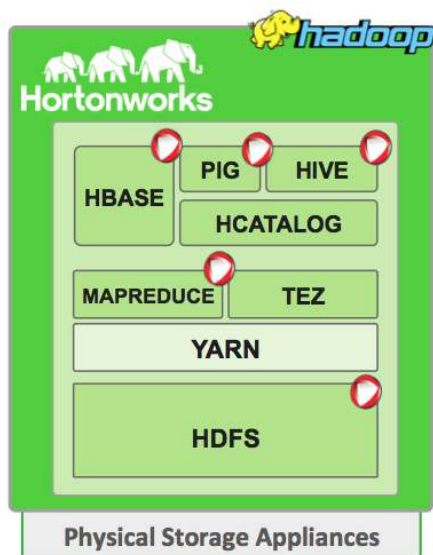
Protegrity provides state-of-the-art data security for Hortonworks Data Platform (HDP) with Protegrity Big Data Protector. Protegrity protects sensitive data per internal, industry, and government standards and regulations, including PCI-DSS, NIST, and HIPAA.

Data security methods employed by Protegrity Big Data Protector include both coarse grained (volume/file) and fine grained (field/column) protection. Encryption, tokenization, masking, and monitoring can be applied simultaneously, according to use case.

While typically vendors only provide volume encryption, Protegrity's field-level Vaultless Tokenization preserves the data type and format of structured sensitive data, and allows parts of the original data to be exposed. This exposed "business intelligence" is key to securely unlocking the value of sensitive data.

Protegrity Big Data Protector for HDP is deployed on every node in the HDP cluster, enforcing the data security policy to each of the nodes, and monitoring and auditing all attempts to access sensitive data. A node-based deployment leverages the parallel power of Hadoop to secure data and ensures that the data protection requirements set forth by the security team can be enforced on a node-by-node basis.

Protegrity Big Data Protector & Hortonworks Data Platform



Fine grained protection persists while data is at rest, in use, and during analytical processing. Business intelligence can be bled through to allow users and processes that require only part of the unprotected data to function. The API in each of these programs can be augmented to provide protect/unprotect functions.

Stored sensitive data/fields can be secured or de-identified with fine grained protection; or the volume/files can be secured with coarse grain protection. Only the data security policy administrated by security officers determines access to sensitive data in the clear. This separation of duties provides the best means to protect the data from all threats, including rogue privileged users.



= Protegrity protection in Hadoop

Features & Benefits of Combined Solution

- Fully integrates security throughout the Hadoop ecosystem, including Hive, Pig, MapReduce and HDFS.
- Vaultless Tokenization preserves utility of secured data, enabling responsible big data storage, use, and monetization.
- Data is secured from the point of acquisition or creation, ensuring protection throughout the data flow.
- HDP's power, cost-effectiveness, advanced services and reliability, together with Protegrity's Big Data Protector provides the most reliable and secure Big Data solution available.

What Business Challenges Are Solved?

- The Protegrity Big Data Protector for HDP provides customers with a comprehensive, multi-layered data security solution, protecting data either at a coarse grained (file/volume encryption), or fine grained (field-level encryption, tokenization, or masking) level.
- Protegrity's Big Data Protector, combined with patented Vaultless Tokenization provides the only solution available that is flexible and scalable enough to utilize secured data for big data analysis and monetization without impacting performance. With this balance between security and analytical performance, the potential value created by this revolutionary technology is undeniable.
- Protegrity's Big Data Protector is a platform-agnostic solution, allowing enterprises to protect data inside their Big Data clusters composed of a variety of vendor platforms, as well as outside of them.

"Protegrity continues to innovate advanced data security solutions to protect the evolving Hadoop ecosystem, and are keenly focused on forming strategic alliances in the Big Data industry. We look forward to the opportunity to work alongside Hortonworks, serving their customers the most powerful fine-grained and coarse-grained security available, with the **Protegrity Big Data Protector.**"

**-- Suni Munshani, CEO,
Protegrity**

Protegrity is a Certified Technology Partner

Protegrity is a Certified Technology Partner on Hortonworks Data Platform (HDP). The Hortonworks Certified Technology Program reviews and certifies technologies for architectural best practices, validated against a comprehensive suite of integration test cases, benchmarked for scale under varied workloads and comprehensively documented.

For additional questions, contact:



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About Hortonworks

Hortonworks develops, distributes and supports the only 100-percent open source distribution of Apache Hadoop explicitly architected, built and tested for enterprise-grade deployments.



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