

Protegrity Big Data Protector for HDP



Partner Brief



“Protegrity continues to innovate advanced data security solutions to protect the evolving Hadoop ecosystem, and is 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.”

Sunil Munshani
CEO
Protegrity

Protegrity provides state-of-the-art data security for the 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 part 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.

What Business Challenges Are Solved?

Comprehensive Data Security Solution

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.

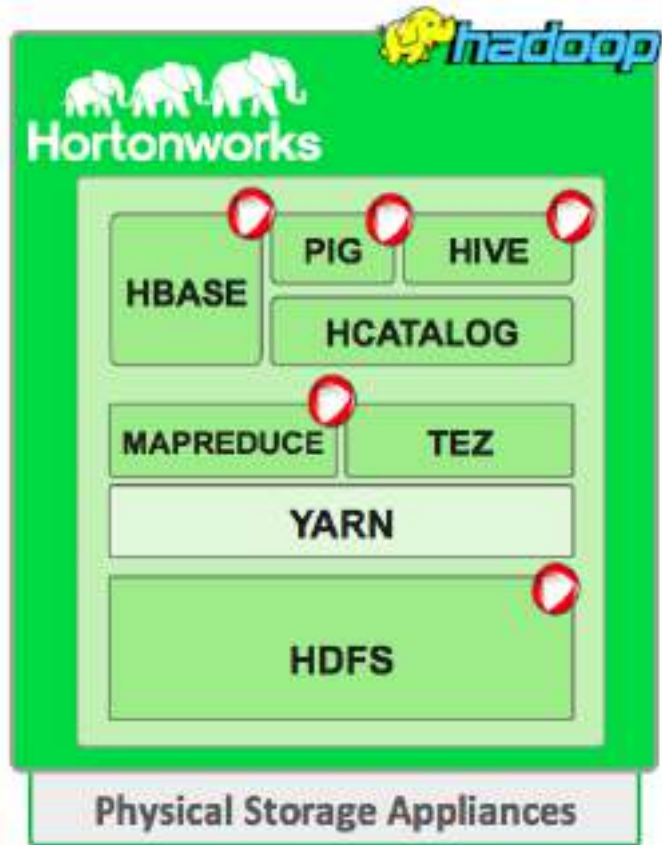
Flexibility and Scalability

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.

Platform Agnostic

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 in the Modern Data Architecture



Features and Benefits of the 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.

Protegrity protection in Hadoop

Data security policies administrated by security officers determine access to sensitive data. This separation of duties provides the best means to protect data from all threats.

Protegrity is a Certified Technology Partner

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.



Hortonworks. We do Hadoop.

Hortonworks is a leading commercial vendor of Apache Hadoop, the open source platform for storing, managing and analyzing Big Data. Hortonworks Data Platform, our distribution of Apache Hadoop, provides an open and stable foundation for enterprises and a growing ecosystem to build and deploy Big Data solutions.

Hortonworks is the trusted source for information on Hadoop, and together with the Apache community, Hortonworks is making Hadoop an enterprise data platform. Hortonworks provides unmatched technical support, training and certification programs for enterprises, systems integrators and technology vendors.

For additional questions, contact:

- Protegrity
www.protegrity.com
(203) 326-7200
- Hortonworks
www.hortonworks.com
(855) 8-HORTON