Big Data Revealed
RADAR FOR YOUR DATA LAKE

The Intelligent Catalog and Data Sequestering Engine protects entrusted data

Identify ➔ Sequester ➔ Encrypt ➔ Store

The Intelligent Catalog is the key to protecting your data lake

Congratulations, you have a data lake, and you even have some successes using it

Are you protecting Customer's data from hackers?
If it's installed in your data lake you probably are not!!!

2016 was a record year for data breaches, the number of exposed records exceeded 4.2 billion, nearly four times the previous high.

Your Data Lake – Your Data Risks and Exposures

Step 1: The Intelligent Catalog identifies Personally Identifiable Information (PII) and other sensitive data
Step 2: Files containing PII data are sequestered, and copies with encrypted columns are written to the data lake (A)
Step 3: The sequestered file is reviewed, encryption and masking is applied as directed (B)
Step 4: The sequestered file after release (B) replaces the surrogate encrypted file (A)
Step 5: Management statistics are collected and made available for managing the overall process

The digital economy depends on you protecting customer data as a key to conducting commerce. If you use a data lake and store customer information in the data lake, it is of paramount importance you prioritize the protection of PII data in your data lake. In this short video, we would like to present our approach to protecting PII data in your data lake from those intent on using your data for their benefit.

Your Data Lake – Your Data Risks and Exposures

We developed a Personal Identifying Information (PII) detection and sequestering capability to augment our one of a kind Hadoop intelligent catalog because of recent issues reported by our partnering organizations and their concerns about the security of their Hadoop environments.

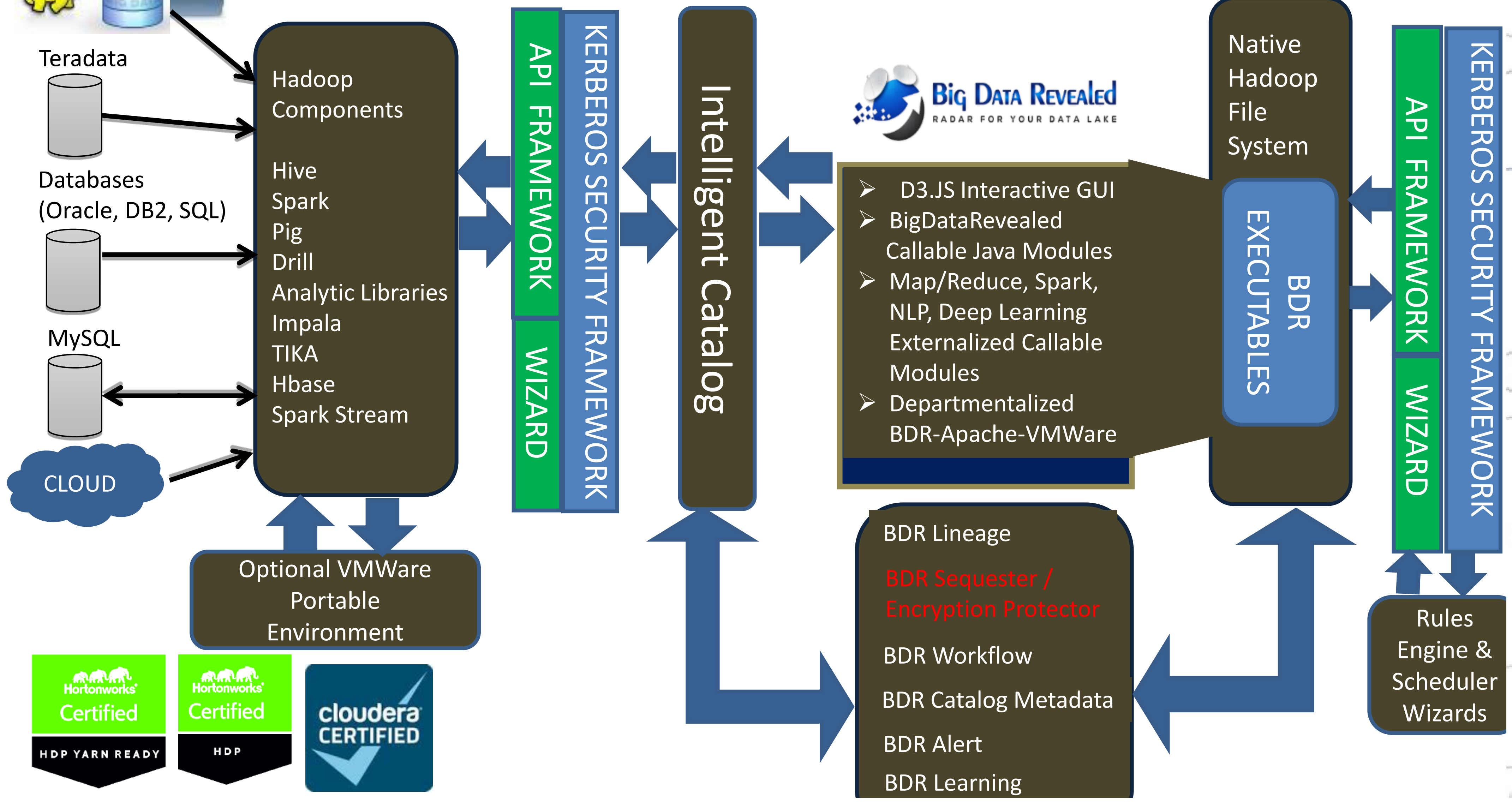
We believe it is imperative this capability lives in the big data environment, and that any information identified as being a candidate for sequestering be parked into an area with more strenuous security attributes than is normally associated with big data. We invite you to challenge our approach, we believe that you will be very happy to invest a small amount of your time to learn about this very critical capability.

Cyber-Security is no longer something that just your CIO worries about, it is a risk that deserves the attention of your risk organization, particularly if you market services through digital interfaces like the web or mobile platforms or have sensors like proximity beacons integrated into your network.

You do not want to learn that you were exposed in one of the national newspapers or through a visit from the Federal Trade Commission or Securities and Exchange Commission.

BDR Architecture - Powered with Apache™ Hadoop®

(For the technicians, how we reside in the data lake)



Teradata

Databases (Oracle, DB2, SQL)

MySQL

CLOUD

Hadoop Components

Hive
Spark
Pig
Drill
Analytic Libraries
Impala
TIKA
Hbase
Spark Stream

Optional VMWare Portable Environment

API FRAMEWORK

WIZARD

KERBEROS SECURITY FRAMEWORK

Intelligent Catalog

Big Data Revealed
RADAR FOR YOUR DATA LAKE

- D3.JS Interactive GUI
- BigDataRevealed Callable Java Modules
- Map/Reduce, Spark, NLP, Deep Learning Externalized Callable Modules
- Departmentalized BDR-Apache-VMWare

Native Hadoop File System

BDR EXECUTABLES

API FRAMEWORK

WIZARD

KERBEROS SECURITY FRAMEWORK

Rules Engine & Scheduler Wizards

BDR Lineage

BDR Sequester / Encryption Protector

BDR Workflow

BDR Catalog Metadata

BDR Alert

BDR Learning

Hortonworks Certified HDP YARN READY

Hortonworks Certified HDP

cloudera CERTIFIED

Big Data Revealed

RADAR FOR YOUR DATA LAKE

BigDataRevealed Data Discovery for Big Data Hadoop

BigDataRevealed Discovers and Isolates Personally Identifiable & Potentially Risky(Outlier/Anomaly) information/data in your Hadoop ecosystem!

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Q & A