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DISCOVER DATA RELATIONSHIPS WITH THINGSPAN AND HDP

Partner Brief

“Objectivity and Hortonworks have teamed up to fully realize a massively scalable distributed graph analytics platform on Apache Hadoop. Objectivity’s ThingSpan and Hortonworks Data Platform are seamlessly integrated to enable real-time graph analytics and relationship discovery for Big and Fast Data applications.”

Brian Clark

VP of Products,
Objectivity

When it comes to extracting business value from Apache Hadoop, the relationships between data points are arguably more vital—one can say bigger—than Big Data itself. Discovering associations and patterns in extremely large datasets is necessary for a plethora of use cases across industry, from detecting fraud and insider trading to building more robust retail recommendation engines. Thus, rapidly navigating these data relationships is the key to delivering real-time response and improving decision-making.

Objectivity has designed and implemented the most scalable and performant graph analytics technology directly on top of Hadoop with ThingSpan. It combines object and graph data modeling with an Apache Spark ingest layer to traverse data relationships at orders of magnitude faster than traditional databases. ThingSpan has the capability to incorporate virtually any data source, dynamically building connections between trillions of nodes and edges.

With Objectivity’s ThingSpan and Hortonworks Data Platform, organizations now have purpose-built, proven technology natively integrated with the open-source ecosystem that remains performant during mixed workloads of high-speed ingest and querying. ThingSpan bridges the gap between historical Big Data and streaming Fast Data, enriching these two fused workflows in real time to power mission-critical applications involving the most complex data sets.

What Business Benefits are Provided?

Extreme Scalability and Performance

Ingest and process highly complex interconnected data and scale to trillions of nodes and edges

Mixed Workloads

Query and ingest data in parallel without impacting performance

Faster Time-to-Insight

Accelerate decision-making by adding context and statefulness to fast, streaming data in real time

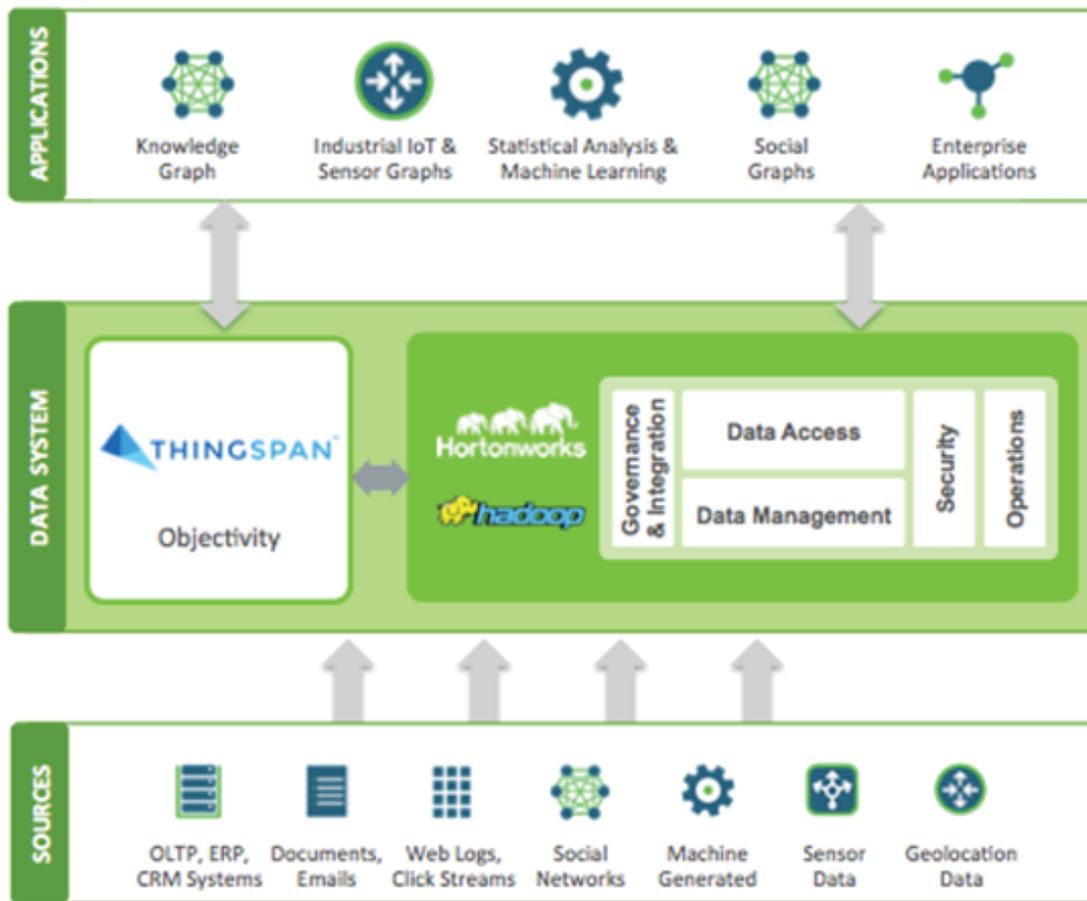
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OBJECTIVITY IN THE MODERN DATA ARCHITECTURE



Features & Benefits of Combined Solution

The solution of Objectivity's ThingSpan and Hortonworks Data Platform accelerates time-to-production of Big Data applications:

- Enables customers to analyze extremely complex data at massive scale
- Brings capability to operationalize graph analytics in a distributed manner on HDFS
- Rapidly navigates and queries complex data, instantly triggering actions in near real time.

About ThingSpan

Objectivity's ThingSpan creates and persists domain metadata to enable relationship analytics on Big and Fast Data. With native integration with Hortonworks Data Platform and Apache Spark, ThingSpan is designed to work between streaming analytics platforms and Big Data platforms in the Fast Data pipeline.

Objectivity 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.



About Hortonworks

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.

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