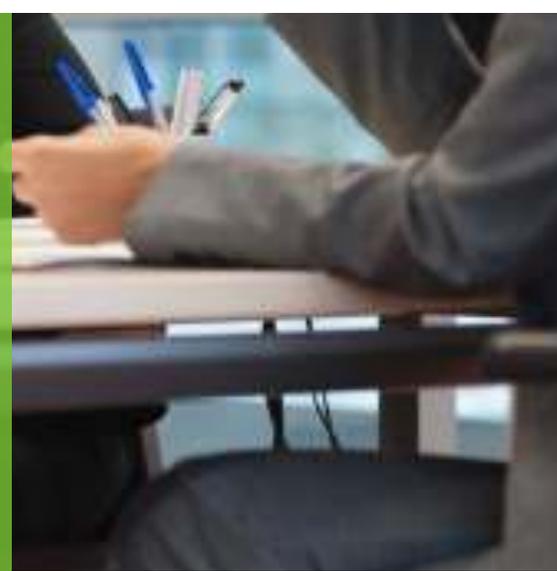




Model Your Hadoop Hive Databases with Embarcadero ER/Studio



Partner Brief



"It's exciting that we finally have the tools to keep pace with the data warehousing technology we've had in place all along. Our modeling capabilities are in lockstep with our database now."

Kelly Carrigan

Vice President of Data Warehousing and Infrastructure
Catalina Marketing

With round-trip database support, data modeling professionals can use ER/Studio® Data Architect to easily reverse-engineer, compare and merge, and visually document data assets residing in diverse locations from data centers to mobile platforms. A variety of database platforms, including traditional RDBMS and big data technologies such as Hadoop Hive, can be imported and integrated into shared models and metadata definitions.

ER/Studio's comprehensive model management and collaboration capabilities simplify the tasks of building and maintaining complex enterprise data models. Its easy-to-use visual interface helps data architects to document, understand, and publish information about diverse data sources and databases so they can be better harnessed to support business objectives.

With a data modeling strategy in place, enterprise data can be more effectively leveraged as a corporate asset, while supporting compliance to business standards and mandatory regulations – essential factors in an organization's data governance program.

What Business Challenges Are Solved?

Document Data in Detail

Create a single enterprise data dictionary to capture the parameters of your data elements, so that all data models and database implementations can be based on the same definitions.

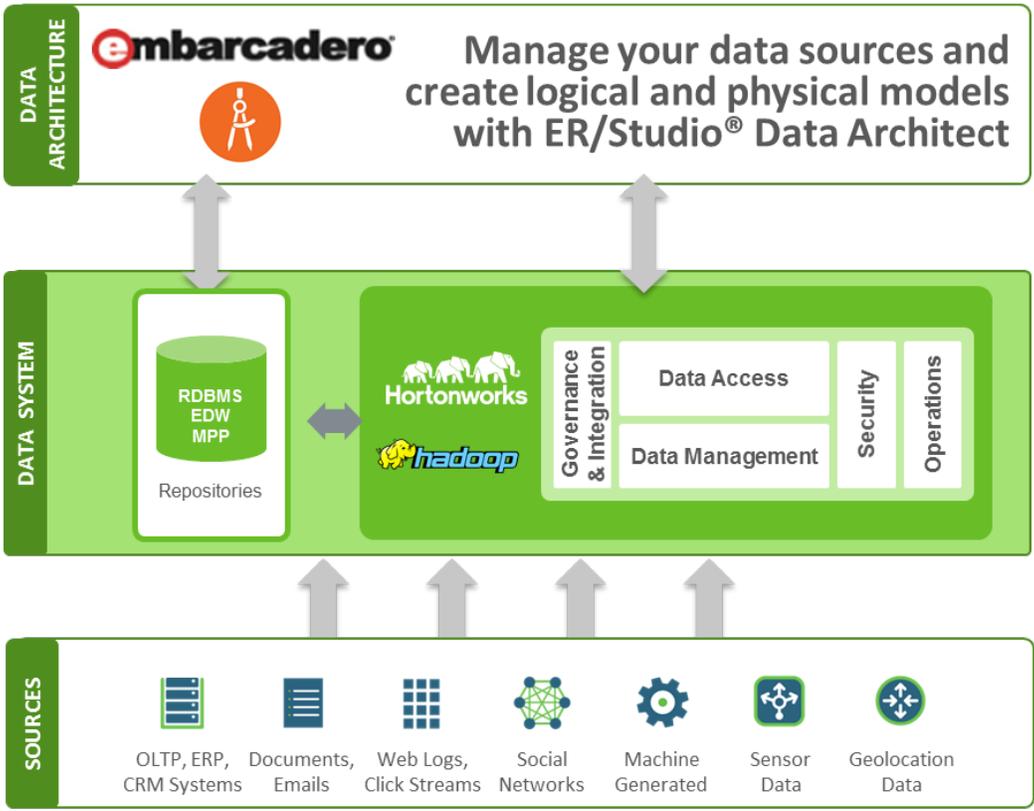
Improved Data Quality and Consistency

Reduce duplication and risk associated with multiple data capture and storage environments by establishing a common logical model with multiple platform-specific physical models.

Collaborate on Content with Ease

Work with others on your team to update data models and elements, and share internal knowledge to establish a common framework for your enterprise data strategy.

ER/Studio in the Modern Data Architecture



Features and Benefits of the Combined Solution

ER/Studio Data Architect provides built-in facilities to automate routine modeling tasks so data modelers and architects can analyze captured from Hadoop and optimize complex database and data warehouse designs quickly.

- **Create and compare models from existing databases:** Data is captured from Hadoop Hive tables into an entity relationship diagram with reverse engineering and can also create Hive tables and forward engineer them in a Hadoop Hive database.
- **Implement data lineage for all sources:** With a clear understanding of where data originated and where it is used, organizations can be assured that they know what their data actually means and how it can best be utilized.
- **Define the enterprise data dictionary:** By enforcing standards and analyzing data elements, corporations can better leverage their enterprise data as an asset.

ER/Studio Data Architect and the Hortonworks Data Platform

Correlate enterprise data from HDP with a single data dictionary and consistent data models.

Embarcadero Technologies 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.

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