



# DATASTAX ENTERPRISE

Powered by Apache Cassandra™

## THE BIG DATA PLATFORM THAT MEANS BUSINESS

### AT-A-GLANCE

A fully integrated big data platform for managing real-time, analytic, and enterprise search data all in the same database.

#### Real-Time Data With Cassandra

- Certified Cassandra version for production environments
- Fast read/write performance across all real-time nodes in a cluster
- Dynamic schema for managing all types of data
- Easy scale out on-premise, in the cloud, across multiple data centers with no single point of failure

#### Analytics With Hadoop

- 100% Hadoop distribution with MapReduce, Hive, Pig, and more
- Enhanced to include no single point of failure and easier deployment than community Hadoop
- Easy to manage and scale via adding new nodes online

#### Enterprise Search With Solr

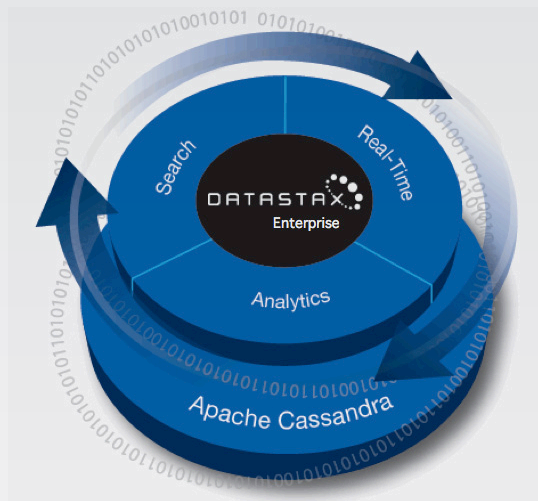
- Powerful search support with hit highlighting, faceted search, rich document handling, and geospatial support
- Provides full data durability with no potential for data loss
- Delivers scalable write support, automatic sharding, and continuous availability

#### One Integrated Database

- No ETL operations necessary; all data is transparently replicated between nodes
- Workload isolation solves mixed workload problem; no competition occurs for data or compute power
- Easily move RDBMS and log data into a cluster

DataStax Enterprise is a complete big data platform, built on Apache Cassandra™, architected to manage real-time, analytic, and enterprise search data in the same database cluster. DataStax Enterprise consists of three components:

1. DataStax Enterprise Server
2. OpsCenter Enterprise Management Solution
3. Expert Production Support and Services



### DataStax Enterprise Server – The Platform for Big Data Management

- **Certified, production-ready Cassandra** – DataStax Enterprise includes a certified version of Apache Cassandra that has been verified by the experts at DataStax for real-time production applications.
- **Continuously available Hadoop** – Built into DataStax Enterprise is an enhanced Hadoop distribution that provides integrated Hadoop MapReduce, Hive, Pig, and job/task tracking capabilities, and replaces Hadoop's HDFS storage layer with Cassandra (CassandraFS). Users enjoy no single point of failure, easier deployment, and a 100% Hadoop installation.
- **Scalable enterprise search with Solr** – DataStax Enterprise includes strong enterprise search support via Lucene and Apache Solr. Capabilities include robust full-text search, hit highlighting, faceted search, rich document (e.g., PDF, Microsoft Word) handling, and geospatial search.
- **Transparent workload management and no ETL** – Real-time analytic and search workloads do not compete with each other for compute or data resources. Further, DataStax Enterprise puts an end to complex and time-consuming ETL operations, as data is transparently replicated between all Cassandra, Hadoop, and Solr nodes in a DataStax Enterprise cluster.
- **And more** – Also includes multi-data center and cloud support, easy migration of RDBMS and log data, plus more.

## KEY BENEFITS

### Database

- Certified Cassandra database for managing real-time data
- Built-in Hadoop support for analytics
- Enterprise search support supplied via Solr
- No single point of failure for any process or function
- Scales from gigabytes to petabytes, while preserving fast read/write operations
- Simple and smart replication of data among one or multiple data centers, as well as the cloud
- Tunable data consistency; choose from strong to eventual consistency per data operation
- Distributed database that can be read and written to anywhere

### Management & Developer Tools

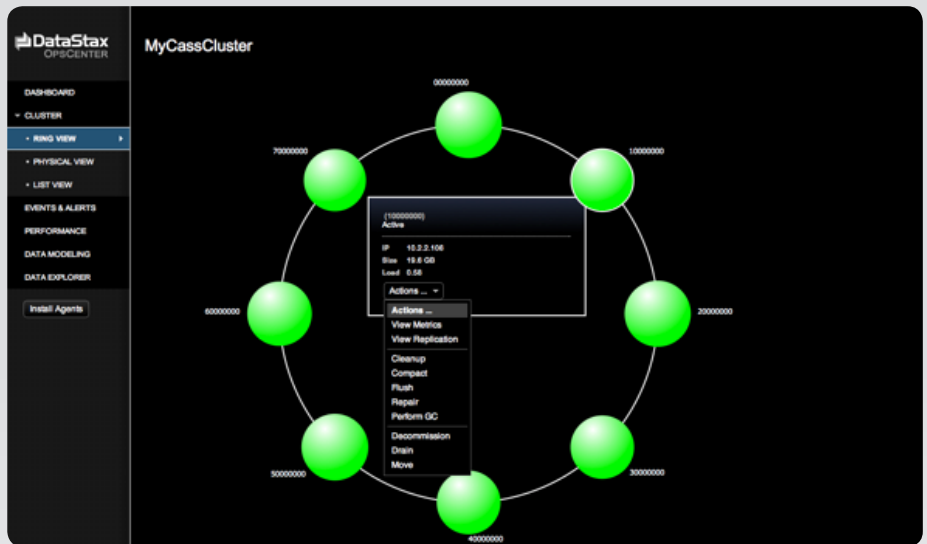
- Visual, browser-based control over all nodes in an enterprise database cluster
- Monitoring for key Cassandra metrics as well as Hadoop MapReduce jobs and Solr metrics
- Point-and-click capabilities for rebalancing a cluster's data across all participating nodes
- Proactive alerts that warn of impending issues, with built-in external notification abilities
- Bundled drivers for all popular development languages

### Support & Services

- Production support delivered by the Cassandra experts
- Support service level agreements that range from business hours to 24x7x365 for applications that need around-the-clock coverage
- Consultative support for assistance on architecture, design, and tuning
- Certified quarterly service packs that keep you up to date on all your software
- Hot-fix support for emergency maintenance situations
- Bug escalation privileges



777 Mariners Island Blvd #510  
San Mateo, CA 94404  
650-389-6000



## OpsCenter Enterprise – Visual Management for Big Data Platforms

OpsCenter Enterprise provides a single point of control for DataStax Enterprise server. All real-time, analytic, and search nodes in a database cluster can be managed anywhere from a web browser (desktop, laptop, iPad) – even a cluster that is geographically dispersed between multiple data centers or the cloud. All Cassandra, Hadoop, and Solr functionality may be monitored and managed with OpsCenter Enterprise.



To download DataStax Enterprise, visit [www.datastax.com](http://www.datastax.com) or contact a DataStax Account Manager at [info@datastax.com](mailto:info@datastax.com).

DataStax offers products and services based on the popular open-source database, Apache Cassandra™ that solve today's most challenging big data problems. DataStax Enterprise combines the performance of Cassandra with analytics powered by Apache Hadoop and enterprise search with Apache Solr, creating a smartly integrated, big data platform. With DataStax Enterprise, real-time, analytic, and search workloads never conflict, giving you maximum performance with the added benefit of only managing a single database. The company has over 140 customers, including leaders such as Netflix, Disney, Cisco, Rackspace and Constant Contact, and spans verticals including web, financial services, telecommunications, logistics and government. DataStax is backed by industry leading investors, including Lightspeed Venture Partners and Crosslink Capital and is based in San Mateo, CA.