

WHAT'S NEW IN DATASTAX ENTERPRISE 6

DataStax powers the Right-Now Enterprise with the always-on, distributed cloud database built on Apache Cassandra™ and designed for hybrid cloud. DataStax Enterprise 6 (DSE 6) includes industry-leading performance, self-driving operational simplicity, and robust analytics.

INDUSTRY-LEADING PERFORMANCE

Right-Now Economy applications demand the highest responsiveness, even when demand surges unpredictably. **DSE Advanced Performance** is a new set of performance-related optimizations, technologies, and tools that dramatically increase DSE's performance compared to DSE v5.1 and open source Apache Cassandra™. DSE Advanced Performance offers:

- ✓ **Double the performance:** compared to Cassandra, resulting in 2x or more throughput for both reads and writes.
- ✓ **Advanced Apache Spark™ communication layer:** delivers a number of improvements for analytical queries, including a 3x query performance increase.
- ✓ **DataStax Bulk Loader:** allows you to rapidly move data into and out of DSE up to 4x faster than other data loading utilities.

SELF-DRIVING OPERATIONAL SIMPLICITY

Right-Now Economy applications must be operationally easy to manage so that teams can focus on innovation instead of operational overhead. The improvements in DSE 6 are so significant that even novice DBAs and DevOps professionals can run DSE 6 like seasoned professionals. Ultimately, that means much easier enterprise-wide adoption of data management at scale.

- ✓ **DSE NodeSync:** removes manual “repair” maintenance operations by keeping data synchronized in DSE clusters in a transparent and continuous fashion. NodeSync frees resources to allow you to focus on the core business, and by making applications run more consistently, it also improves planning predictability.
- ✓ **DSE Upgrade Service:** effortlessly handles patch upgrades by automatically notifying you that an upgrade is available, downloading the software you need, applying it to a cluster with zero downtime, and freeing you to do other things.
- ✓ **DSE TrafficControl:** delivers advanced resiliency that ensures DSE nodes stay online under extreme workloads.

ROBUST TRANSACTIONAL ANALYTICS

DSE 6 delivers the most scalable and highly available analytics for real-time insights on transactional data.

- ✓ **AlwaysOn SQL:** brings nonstop reliability to your existing investment in SQL tools and expertise for BI, ETL, and application data pipelines.
- ✓ **Apache Spark Structured Streaming:** enables simple, efficient, and robust streaming of data from Apache Kafka, file systems, or other sources.
- ✓ **DataStax Studio 6 Notebook support for Spark SQL:** a visual and intelligent query-builder interface for writing Spark SQL queries and reviewing and sharing the results.

DATASTAX ENTERPRISE 6 NEW FEATURES

FEATURES		DATASTAX BASIC	DATASTAX ENTERPRISE	DATASTAX MANAGED CLOUD
Across DSE	DSE NodeSync	✓	✓	✓
	DSE TrafficControl	✓	✓	✓
	DSE Upgrade Service		✓	✓
	DataStax Bulk Loader	✓	✓	✓
Database	Advanced Performance	✓	✓	✓
	DSE Advanced Security Enhancements		✓	✓
Analytics	Spark Upgrade with Structured Streaming		✓	✓
	AlwaysOn SQL		✓	✓
	DSE Spark Connector		✓	✓
Search	DSE Search Enhancements		✓	✓
Graph	DSE Graph Simplified Analytics		✓	✓
Studio	DSE Studio export/import, notebook history	✓	✓	✓
	DSE Studio Spark Support & Interactive Graphs		✓	✓

Find downloads, free online training, and other resources at www.datastax.com

ABOUT DATASTAX

DataStax powers the Right-Now Enterprise with the always-on, distributed cloud database built on Apache Cassandra™ and designed for hybrid cloud. The foundation for real-time applications at massive scale, DataStax Enterprise makes it possible for companies to exceed expectations through consumer and enterprise applications that provide responsive and meaningful engagement to each customer wherever they go. Our product also gives businesses full data autonomy, allowing them to retain control and strategic ownership of their most valuable asset in a hybrid cloud world. DataStax helps more than 400 of the world's leading brands like Capital One, Cisco, Comcast, eBay, McDonald's, Microsoft, Safeway, Sony, UBS, and Walmart transform their businesses through right-now applications focused on enterprise optimization and customer experience. For more information, visit DataStax.com and follow us on @DataStax.

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