

DataStax Enterprise Data Sheet

Constant uptime and linear scale performance for online applications handling transactional, analytical, search, and in-memory workloads in a single platform.

DataStax Enterprise – The Database for Cloud Applications

DataStax delivers a comprehensive data management layer with a unique always-on architecture that accelerates the ability of enterprises, government agencies, and systems integrators to power the exploding number of cloud applications that require data distribution across datacenters and clouds, by using our secure, operationally simple platform built on Apache Cassandra™.

DataStax Enterprise (DSE) includes:

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

DataStax Enterprise enables companies to quickly bring to market cutting edge cloud applications. By integrating scalable tools to both store and process data in real time, DataStax lets enterprises focus on the functionality that matters most to their company and their customers.

Benefits of DataStax Enterprise:

- Production-certified Cassandra with full software lifecycle management
- Comprehensive enterprise security
- Automatic management services for transparent maintenance operations
- Built-in enterprise search capabilities on Cassandra data
- Integrated streaming, real-time, batch analytics, and Hadoop integration
- Workload management for transactional, analytic, and search operations
- In-memory option for lightning-fast transactional and analytics workloads
- Visual management and monitoring from any device
- Around-the-clock expert support and services



Distributed Database for Cloud Applications

- Scale to any size
- Always-on architecture
- Best in class for multi-data center and cloud deployments
- Handles transactional, analytical, search, and in-memory workloads in a single database cluster

Production Certified Cassandra

- Certified version of Cassandra ready for production environments
- Extensive quality assurance testing under heavy workloads
- Proven to scale on 1,000 node deployments across Amazon and Google
- Platform certification for compatibility with popular operating systems
- Validated to work with third party software (e.g. BI tools)
- Full software lifecycle and patch management

Expert Services and Support

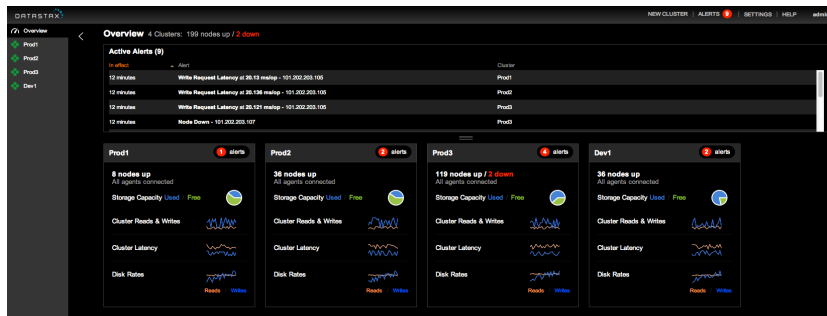
- 24x7x365 expert support
- Certified software updates
- Hot-fixes for emergency situations
- Bug escalation privileges
- Expert system health reviews

Enterprise Data Protection

- Full user authentication and authorization
- Seamless Kerberos, LDAP and Active Directory integration
- Transparent data encryption for sensitive data, along with client-to-node and node-to-node encryption of data
- Data auditing for tracking all activity
- Smart enterprise backup (local or cloud) with point-in-time restore

Visual Administration and Monitoring

DataStax OpsCenter, DataStax's visual management and monitoring tool gives admins complete visual control over all managed clusters with point-and-click abilities for creating, administering, backing up and monitoring databases.



DataStax Enterprise Subscription Offerings

DataStax Enterprise offers 3 subscription models: Basic, Standard and Max. DSE Basic offers the minimum functionality required to go into production with Apache Cassandra™ whereas DSE Max is ideal for applications needing mixed workload support (i.e. analytics, search, and in-memory workloads on Apache Cassandra).

	DSE Basic	DSE Standard	DSE Max
DATABASE MANAGEMENT / SERVICES			
Production-certified Cassandra	✓	✓	✓
Advanced Security Option		✓	✓
Automatic Management Services		✓	✓
In-Memory Option			✓
Enterprise Search			✓
Integrated Analytics (Real-time with Spark and Batch via Hadoop)			✓
External Hadoop Integration and Certification (Cloudera/Hortonworks)			✓
MANAGEMENT			
OpsCenter		✓	✓
SUPPORT AND PROFESSIONAL SERVICES			
Expert 24x7x365 Support	✓	✓	✓
Platform certification	✓	✓	✓
Certified service packs	✓	✓	✓
Hot fixes	✓	✓	✓
Bug escalation	✓	✓	✓
Health checks/Performance reviews	✓	✓	✓
Custom builds			Option

Visual Administration and Monitoring

- Complete visual control over all managed clusters
- Point-and-click abilities for creating, administering, backing up and monitoring databases
- At-a-glance dashboard of all managed clusters
- Proactive alerts for headless monitoring
- Accessible from any web browser and device

Automatic Management Services

- Transparently handles critical maintenance functions
- Automatically maintains data consistency in a cluster
- Handles all capacity planning functions
- Enables fast and easy performance monitoring and tuning
- Automates best practice enforcement
- Provides smart backup and restore service for protecting data

Powerful Integrated Analytics

- Real-time analytics including in-memory with Apache Spark.
- Spark streaming for real-time use cases
- Built-in batch analytics on Cassandra data with Hadoop
- Seamless integration with external Hadoop deployments
- Delivers analytics across multiple data centers with no single point of failure

Fast and Easy Enterprise Search

- Hit highlighting, faceted search, rich document handling and geospatial support on Cassandra data
- Scale out performance for heavy-duty search workloads
- Live indexing feature makes new data instantly accessible to search
- Easy setup and maintenance of search nodes
- Multi-data center and cloud ready

In-Memory Option

- Delivers in-memory computing abilities to Cassandra
- Allows for lightning-fast read operations, which are always handled in RAM
- Simple, easy, and transparent to the underlying application
- Provides full tiered storage support in one database platform