

# DATASTAX OPSCENTER

## VISUAL MANAGEMENT AND MONITORING FOR BIG DATA PLATFORMS

### AT-A-GLANCE

DataStax OpsCenter provides complete control over all big data platforms.

### Web Browser Interface

- No need to install client software. Runs on desktop, laptop, and iPad.

### Visual Database Management

- Centralized dashboard communicates status of all nodes in a cluster and key events that need attention.
- Point-and-click through all administration tasks.
- View and modify all Cassandra keyspace and column family objects.

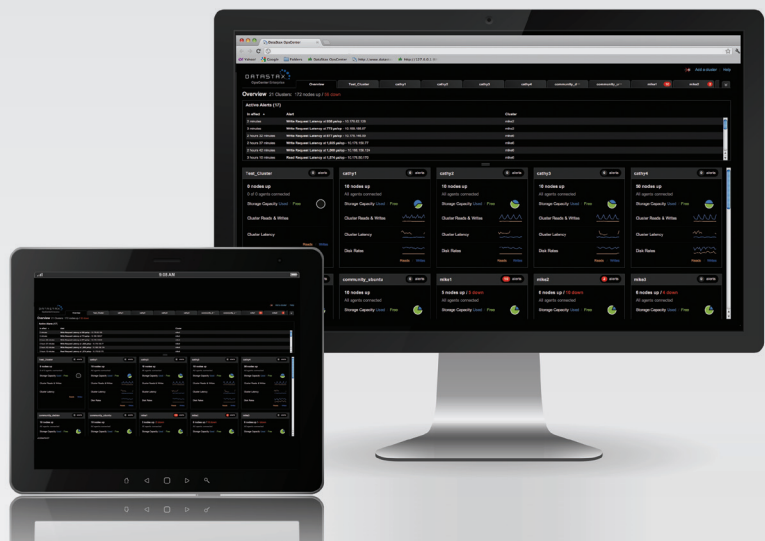
### In-Depth Monitoring

- Monitor key performance metrics for Cassandra, the underlying operating system and the Java Virtual Machine.
- Examine real-time activity at the click of a button.
- Automatic collection and retention of metrics allows historical trend analysis and easy viewing of performance over time.
- Custom interface allows the ability to add/remove desired graphs and monitored metrics.

### Two Editions

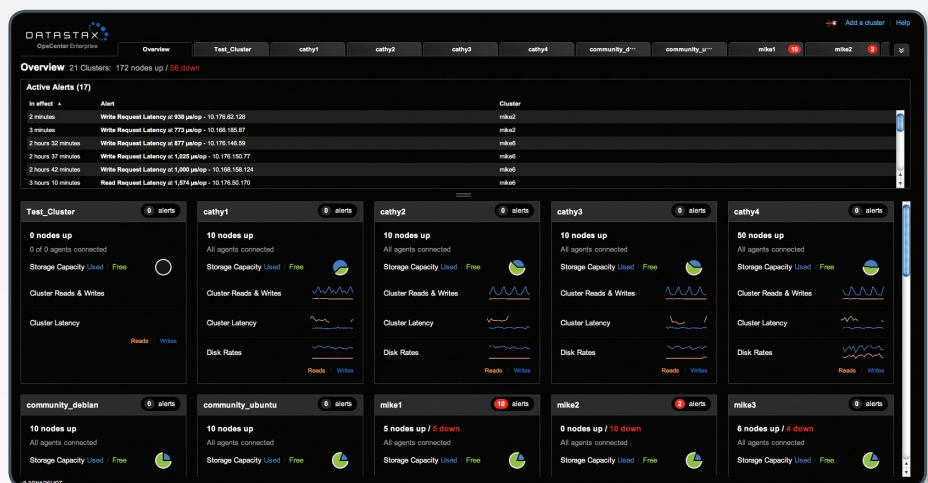
- **OpsCenter Enterprise** is bundled with DataStax Enterprise and contains advanced management functionality.
- **OpsCenter Community** is bundled with the free DataStax Community Edition for Cassandra and contains basic administration and monitoring functionality.

DataStax OpsCenter is a visual management and monitoring solution for big data platforms. With OpsCenter, administrators, architects, and developers have point-and-click control over Apache Cassandra™, as well as DataStax Enterprise database clusters that include Apache Cassandra™, Apache Hadoop™, and Apache Solr™.



DataStax OpsCenter provides users with sophisticated visualizations of their cluster, comprehensive management and configuration abilities, and health and performance monitoring of all their servers.

The OpsCenter solution installs seamlessly and is accessible from any web browser. In addition, OpsCenter is capable of running in a “headless” fashion so that operations staff can be notified about situations that require their attention without using the GUI interface.



## ADVANCED FUNCTIONALITY

### Hadoop/Solr Management

OpsCenter Enterprise is able to manage, monitor, and control Hadoop MapReduce, Pig, and Hive tasks in DataStax Enterprise. Solr/enterprise search monitoring is also supported.

### Automated Cluster Rebalance

Adding nodes to a Cassandra cluster often necessitates the rebalancing of data across the cluster, which can be a difficult manual job. But with OpsCenter Enterprise, the rebalancing of a cluster when new nodes are added is an easy, point-and-click task.

### Proactive Alerts

OpsCenter Enterprise allows a user to define alerts that are based on statistical thresholds for key performance metrics.

### Notifications

OpsCenter Enterprise is able to run in an unattended fashion where notifications (e.g., email) can be sent to operations staff about situations that require their attention.

### Visual Backup Control

OpsCenter Enterprise provides easy support to create, schedule and manage backups across all registered clusters.

### On Premise, in the Cloud

Cassandra is capable of multi-data center support, meaning a single cluster can span 1-n data centers. OpsCenter supports the monitoring of all nodes across multiple data centers so administrators and operations staff can easily diagnose and monitor their systems no matter where they are physically located – on premise or in the cloud.

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



## OpsCenter Editions Comparison

OpsCenter Feature	Community	Enterprise
<b>Monitoring</b>		
Visual Cassandra topology views	Yes	Yes
Customize monitoring statistical views	Yes	Yes
Cassandra, JVM, and O/S statistics	Yes	Yes
Events dashboard	Yes	Yes
View replication relationships	Yes	Yes
Proactive alerts	No	Yes
External notifications (e.g. email)	No	Yes
Hadoop/Analytics monitoring	No	Yes
Solr/Enterprise Search monitoring	No	Yes
<b>Cluster Management</b>		
Perform utility functions on each node	Yes	Yes
Application security	Yes	Yes
Multi-Cluster Management	No	Yes
Automated Node/Ring balancing of data	No	Yes
Visual backup management	No	Yes
<b>Object Management</b>		
View/create Keyspaces	Yes	Yes
View/create Column Families	Yes	Yes
View Column Family data	Yes	Yes
Licensing	Free	Bundled with Subscription

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.

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