



Selecting and installing a Cassandra distribution for learning

DataStax Academy:
Installing and configuring Cassandra

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What runtimes are needed on the operating system?

- Verify Java 7 is available
 - OracleJDK 1.7+ required for Cassandra 2.0+
 - 64 bit recommended
- Verify Python 2.5+ is available
 - required for some Cassandra tools

How is our demonstration environment configured?

- Ubuntu 64 bit Linux
 - ubuntu.com/download/desktop
- Oracle JDK 1.7.0_51
 - oracle.com/technetwork/java/javase/downloads/index.html
- Python 2.7.3
 - python.org/download/
- Cassandra Cluster Manager (CCM)
 - datastax.com/dev/blog/ccm-a-development-tool-for-creating-local-cassandra-clusters
- Assets used in demonstrations during this course
 - [student-files.zip](#)

How do Cassandra distributions compare?

Feature	Open Source	DataStax Enterprise
Database Software		
Data Platform	Latest Community Cassandra	Production-certified Cassandra
Core security features	✓	✓
Enterprise security features	No	✓
In-Memory Feature	No	✓
Built-in automatic management services	No	✓
Integrated analytics	No	✓
Integrated enterprise search	No	✓
Workload/Workflow Isolation	No	✓
Easy migration of RDBMS and log data	No	✓
Certified Service Packs	No	✓
Certified platform support	No	✓

How do Cassandra distributions compare?

Feature	Open Source	DataStax Enterprise
Management Software		
OpsCenter	Basic functionality	Advanced Functionality
Services		
Community Support	✓	✓
Datastax 24x7x365 Support	No	✓
Quarterly Performance Reviews	No	✓
Hot Fixes	No	✓
Bug Escalation Privilege	No	✓
Custom Builds	No	Option
EOL Support	No	✓
Licensing	Free	Subscription

Where can each distribution be found?

- DataStax Enterprise + OpsCenter, DevCenter, and Drivers
datastax.com/download
- DataStax Community Edition
planetcassandra.org/cassandra/
- Apache Cassandra
cassandra.apache.org/download/
github.com/apache/cassandra

Demo: Setting up a learning environment

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