

DataStax Enterprise Edition Versus DataStax Community Edition

Tuesday, September 16, 2014 09:26

| | | |
|-------------------------------|---|--|
| I am a | Modern business, government agency, educational institution looking for a tested, stable, and production-ready big data platform | Technical professional looking for the easiest way to use Apache Cassandra in a non-production environment |
| Recommended solution | DataStax Enterprise Edition | DataStax Community Edition |
| Cassandra development model | Open Source | Open Source |
| Version of Apache Cassandra | Selected by experts at DataStax | Latest community release |
| Benefits of Cassandra version | Certified version of Cassandra via DataStax certification process of quality assurance testing, performance benchmarking, and defect resolution | Contains latest features introduced via the Cassandra community |
| In-Memory support | Built-in feature with faster performance on reads, while ensuring data protection so that data contained in memory-only objects is never lost | N/A |
| Analytics support | Built-in and integrated into a single cluster, with full MapReduce, Hive, Pig, Mahout, and Sqoop support. | Low-level and manual integration with Hadoop |
| Benefits of analytics support | Full integration into one database cluster, with no single point of failure and support for running Hadoop across multiple data centers at once | N/A |
| Enterprise search support | Built-in and integrated into a single cluster, with Apache Solr. Full continuous availability support across multiple data centers bundled in | None |
| Workload management benefits | Built-in so that all Cassandra, analytics, and search operations workloads do not conflict with one another | None |
| Security Features | General and advanced security features | General security features |
| Management Capabilities | Includes DataStax management services that perform many maintenance and performance optimization tasks automatically. Also includes advanced visual management from within DataStax OpsCenter | Basic management capabilities via OpsCenter |
| Support options | 24x7x365 production support from DataStax | Community forums and mailing lists |
| Software maintenance schedule | Determined by DataStax based on customer needs and feedback, along with formal software release policies | Determined by community |
| Upgrade path | Always future compatible; easy upgrades | Can upgrade to new community versions, but not DataStax Enterprise (must migrate the data) |
| Management software | DataStax OpsCenter Enterprise Edition | DataStax OpsCenter Community Edition |
| Licensing | Subscription | Free |