



DataStax Enterprise

DataStax Enterprise (DSE), built on Apache Cassandra, is the world’s most scalable database, well known for 100% uptime, unmatched low latency, and the ability to handle massive data at planetary scale. DSE delivers enterprise capabilities used by the best internet companies, and hardened by demanding workloads at global leading companies.

The DataStax Enterprise Advantage

Freedom of Choice

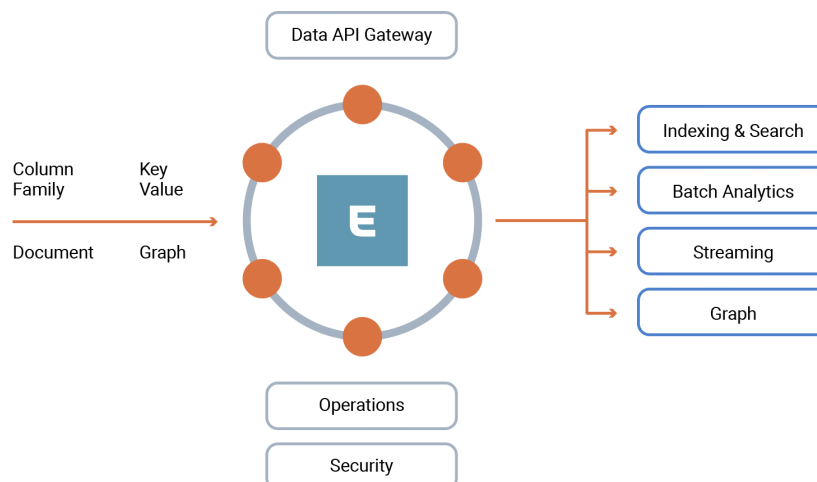
The flexibility to deploy DataStax Enterprise anywhere on any platform, whether it is in your own data center, in a public cloud, or in a hybrid model.

Superior Performance for Various Workloads

Enhanced performance compared to the open-source version for all types of workload: read / write, graph, analytical, zero copy streaming, and data transfer.

Increased Productivity with Peace of Mind

- Enterprise-grade Security
- Easier-to-manage Operations
- Reduced learning curve with powerful and modern Stargate APIs



For enterprises that want to self-manage Cassandra clusters, DataStax Enterprise is the only open, hybrid stack built on Apache Cassandra that reduces operational burden, avoids vendor lock-in, and unleashes developer productivity. It amplifies the benefits of Cassandra with superior performance and trusted security.



“The DataStax Enterprise environment is a horizontally scalable data environment, so as the demands on that environment increase, we simply add more nodes to the cluster and that continues to expand the capabilities. All of this can be done with zero downtime. That is a really key capability.

Ken Chenis, Chief Architect, ACI Worldwide



“DataStax Enterprise gives us the power to change information in our supporting systems into actionable insights with historical views into account statuses. This was previously impossible with relational technologies. With Apache Cassandra and DataStax Enterprise as our database infrastructure, we can not only scale but give our users a real-time, engaging customer experience.”

Micky Csasznik-Shaked, Technology Lead, Mint Bills (Intuit)



Capabilities and Benefits

FEATURES

BENEFITS

Kubernetes Ready

Avoid vendor lock-in with the freedom to deploy on prem, in any public cloud, or in a hybrid model. Greatly simplify cloud-native application development, deployment, and scale-out capabilities with integrated tooling and support for different Kubernetes flavors

Stargate Data API Gateway

Reduce learning curve for getting productive with the abstraction of Cassandra-specific concepts and ability to work with modern API options such as REST, GraphQL, and schemaless JSON.

Multiple Data Models	Gain the flexibility to develop using all styles of NoSQL data models including key-value, wide-column, and document. Even Graph.
Graph Engine	Explore data relationships fast and at scale with a graph-optimized engine.
Search	Ship search capabilities (full-text search, faceting, suggester, and geospatial search) with the scalability and resiliency of Cassandra.
Storage Attached Indexing	Query any column without being restricted to the primary key. Stop denormalizing data, and reduce architectural complexity.
Higher Performance Workloads	Execute all workload types better and faster <ul style="list-style-type: none"> • 50% lower read/write latencies • 10x better performing graph engine • 3x faster Spark-based analytical queries • 4x faster zero copy streaming scaling and node recovery • 4x faster data transfer than open source cqlsh
Development and Migration Tools	Use any popular development language with the appropriate driver. Transfer data fast and easily using the bulk data loader. Seamlessly migrate data from open source Cassandra.
Enterprise Grade Security	Secure data and protect privacy using encryption, role-based access control, and single sign-on. Detect and prevent potential breaches through configurable auditing and log scanning and filtering.

More Info

- [Download DataStax Enterprise](#) to try on your own data center or cloud.
- [Contact us](#) about DataStax Enterprise or Cassandra.

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