



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, modern use cases in e-commerce, customer loyalty, banking, IoT, supply chain, etc. at global leading companies, including 40 of the Fortune 100.

The DataStax Enterprise Advantage

Superior Performance NoSQL and Advanced Workloads on a Single Platform

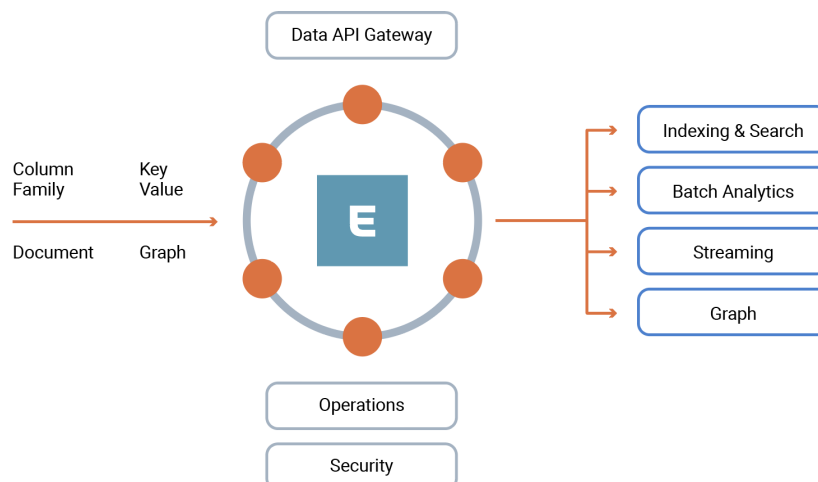
Blisteringly fast performance for NoSQL workloads (key-value, tabular, document), and advanced workloads like search, graph, and analytical.

Cloud Native and Cloud Agnostic

Deploy DSE anywhere on any data center, whether it is in your own private cloud, in a public cloud, or in a hybrid model. Run it natively on Kubernetes. Avoid being locked in to any cloud vendor.

Increased Productivity, with Peace of Mind

Gain all the benefits of Cassandra, with increased productivity for operators, enterprise grade security, and technical support from the experts who contribute the majority of Cassandra commits.



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

CAPABILITIES

BENEFITS

Kubernetes Ready

Avoid vendor lock-in and greatly simplify cloud-native application development, deployment, and scale-out capabilities with integrated tooling and support for different Kubernetes flavors. Increase operator productivity 3x by provisioning DSE on Kubernetes using the Cass Operator.

Developer Friendly

Bring your applications to market quickly by using (Stargate) modern data APIs such as REST, GraphQL, and Schemaless JSON. Continue to use CQL or appropriate language drivers like Java, C/C++, C#, Python, Node.JS, and Go (community maintained).

Multiple NoSQL Models	Gain the flexibility to develop using all styles of NoSQL data models including key-value, tabular, graph, and schemaless document.
Graph	Write to Cassandra and query it in real-time using the Gremlin traversal language. Build multi-model applications with joins, matching, and traversals over large distributed Cassandra data sets through graph queries.
Search	Ship search capabilities (full-text search, faceting, suggestion, and geospatial search) with the scalability and resiliency of Cassandra.
Fast Secondary Index Queries	Query any column without being restricted to the primary key using Storage Attached Indexing (SAI), with minimal impact on performance.
Zero Copy Streaming	Scale-out during peak demand periods and perform business continuity tasks far more quickly with up to 4x faster node addition, removal, and recovery.
Unparalleled Scalability and Performance	Easily grow your Cassandra cluster to petabytes of data, and your graph data to billions of edges and vertices. Scale out to hundreds of thousands transactions per second by simply adding nodes while maintaining unmatched read/write latency.
Zero Downtime Migration	Seamlessly transfer data from open source Cassandra to DSE using the dsbulk data loader. Take advantage of DataStax professional services' best practices and toolkit to migrate from RDBMS with zero downtime.
Enterprise Grade Security	<p>Secure data and protect privacy using:</p> <ul style="list-style-type: none"> • Encryption in flight (TLS) and at rest (TDE) • KMIP security policies • Role-based access control (RBAC) • Row-level access control (RLAC) • User and application authentication (Kerberos) <p>Detect and prevent potential breaches through configurable auditing and log scanning and filtering.</p>

More Info

- [Download DataStax Enterprise](#) to try on your own data center or cloud.
- Check out the vibrant [Community](#) and [DataStax for Developers](#).
- [Contact us](#) about DataStax Enterprise or Cassandra.

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