



Build Your Applications on the Open Data Stack

DataStax delivers an open, multi-cloud data platform built on Apache Cassandra™, the world's most scalable database; and a multi-cloud messaging and event streaming platform built on Apache Pulsar™.

The company's marquee offering is Astra DB, the industry's first and only open, multi-cloud serverless database. Built on a modern, Kubernetes-based architecture, Astra DB delivers Database-as-a-Service with an unprecedented combination of pay-as-you-go pricing, simplified operations, and the freedom of multi-cloud and open source.

When Should You Consider DataStax?

Consider using DataStax as your data backend when you have any of the following initiatives.

Application Modernization

Legacy databases are ill equipped to meet the demands of modern applications. DataStax provides the platform and tools to meet the performance requirements of modern applications for low-latency, linear scalability, and always-on availability.

NoSQL Standardization

Running multiple modern workloads on different platforms increases complexity and total cost of ownership. DataStax supports all types of NoSQL data models, allowing you to lower operational overhead and license costs.

Modern App Development

DataStax lowers the barrier to entry for dev teams building new apps requiring scalability to tap into the power of Cassandra with neither the operational complexity nor the cost of running the database themselves.

Responsive Data Driven Systems

DataStax provides streaming tools for creating a real-time pipeline between the database and intelligent downstream systems that helps make smart, responsive decisions.

Benefits

Always Available

100% uptime means always being open for business and not missing any opportunity to delight customers.

Low Latency

High performance that delights customers and directly contributes to revenue uplift.

Linear Scalability

Ability to scale out and keep up with business demand, and scale in to keep costs manageable.

Global Distribution

Seamless global sync across regional data centers in any cloud or on premises to provide geo redundancy, reduce regional latency, support data sovereignty, or enable specialized workloads.

Differentiators

Open APIs

Modern Data API drastically lowers the barrier of entry for modern application developers and jump-starts developers' productivity as they can work directly with the data layer using languages they already know and APIs (REST, JSON, and GraphQL) they love.

Cloud Delivered

Astra DB is a Database-as-a-Service with no operational overhead. Autoscaling lets you pay only for the resources you consume. DataStax Enterprise can be run on prem or in a hybrid environment of private and public clouds. DSE is certified for VMware Tanzu and RedHat OpenShift. Either way, DataStax provides you with the freedom from vendor lock-in.

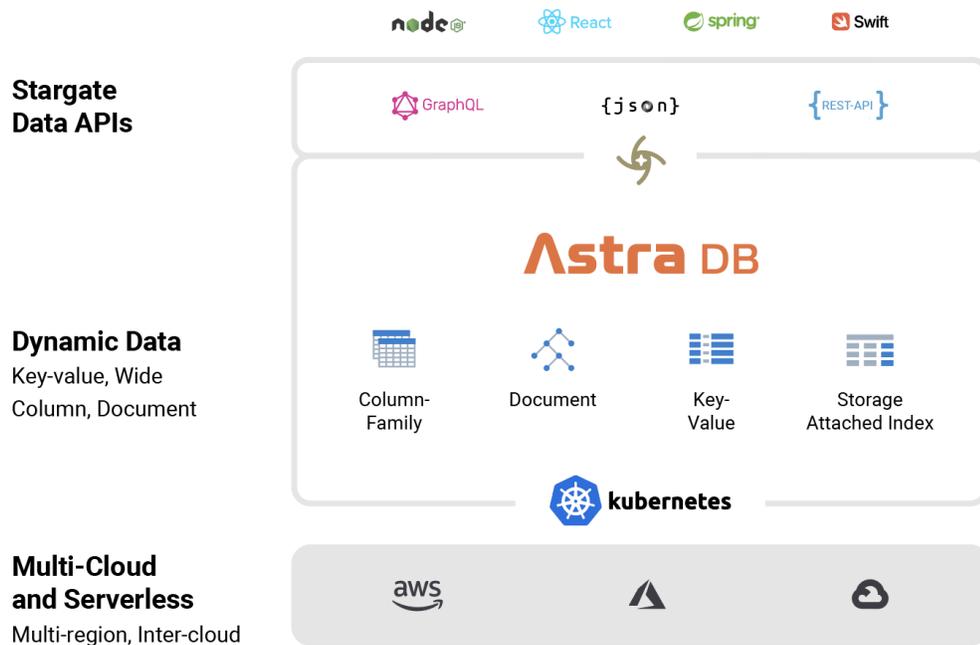
Managed in Kubernetes

Astra DB runs in Kubernetes, greatly simplifying workload management. Using the Kubernetes Operator for Cassandra, DataStax Enterprise's Cassandra workload can be managed along application pods in Kubernetes.

Open Source

DataStax has been a major contributor to the Apache Cassandra community since our inception. DataStax has also contributed open source projects [k8ssandra](#) (Cassandra on Kubernetes) and [Stargate](#) (Data APIs). We are committed to having the same symbiotic relationship with the Apache Pulsar community with regards to DataStax Astra Streaming and DataStax Luna Streaming.

Products and Services



One of the products in DataStax's portfolio, Astra DB is the industry's first and only open, multi-cloud serverless database

SaaS Products Managed by DataStax

DataStax Astra DB

*Multi-cloud,
Database-as-a-Service
Built on Apache
Cassandra™*

Astra DB simplifies cloud-native Cassandra application development. It reduces deployment time from weeks to minutes, and delivers an unprecedented combination of serverless, pay-as-you-go pricing with the freedom and agility of multi-cloud and open source. Put the power of Cassandra in the hands of every developer without ever worrying about managing the infrastructure.

DataStax Astra Streaming (beta)

*Multi-cloud
Streaming-as-a-Service
Built on Apache Pulsar™*

Astra Streaming provides real-time streaming data capabilities that power polished digital experiences for your customers, employees, and business partners, allowing you to deliver unparalleled responsive applications for your customers, employees, and business partners that give your business a competitive edge.

Self Managed / On Prem Product

DataStax Enterprise

*Scale-Out NoSQL
Hybrid Database
Built on Apache
Cassandra™*

For enterprises who want to manage their own data platform, DSE is the world's most powerful database to run on prem or in a hybrid of private and public clouds. In addition to enhancing the scalability and performance of Cassandra, DSE supports advanced workloads (graph, search, analytics), and delivers enterprise security and monitoring capabilities hardened by global leading companies, including 40 of the Fortune 100.

Self Managed Open-Source Products

DataStax Luna for Apache Cassandra™

Subscription-to-Success with Open-Source Apache Cassandra™

DataStax Luna subscribers enjoy all the benefits of open source software plus peace of mind from direct access to engineers, and C* committers who have authored a majority of the Cassandra code and supported some of the largest and most mission-critical Cassandra deployments for the past 10 years.

DataStax Luna Streaming

Subscription-to-Success with Open-Source Apache Pulsar™

Luna Streaming consists of a completely free, production-ready distribution of Apache Pulsar, tools and optional enterprise-class support. Get peace of mind with live support and expertise from a dedicated staff of highly skilled engineers who are experts at operating distributed Apache Pulsar clusters at scale.

Use Cases—Powered by Cassandra/DataStax

<p>Cards</p> <ul style="list-style-type: none"> Consumer Cards Business Cards Retail Cards 	<p>Core Banking</p> <ul style="list-style-type: none"> Financial Core Enterprise Banking Platform CEP Core Exchange Platform Core Services Platform Online Banking Personalization Recommendation 	<p>Loans</p> <ul style="list-style-type: none"> Loan Origination Auto Loan Home Loan Instant Credit Checks Vehicle Configuration 	<p>Data Science</p> <ul style="list-style-type: none"> Recommendation Graph Data 	<p>Transactions</p> <ul style="list-style-type: none"> Enterprise Data Hub Transaction Analytics Transaction History Transaction Data Store
<p>Fraud</p> <ul style="list-style-type: none"> Fraud Detection Fraud Prevention Identity Theft Anti-Money Laundering 		<p>Risk</p> <ul style="list-style-type: none"> Risk Analysis Risk Governance Risk Mitigation 	<p>Master Data</p> <ul style="list-style-type: none"> Catalog Master Offer Management Order Management 	<p>Trading</p> <ul style="list-style-type: none"> Stock Trading Trade Desk / ML Global eSignal Flex - Flexible Tic System Super Derivatives Commodities System Market Data
<p>Payments</p> <ul style="list-style-type: none"> Real Time Payment Payment Getaway Global Payment Platform Payment Authorization Platform Mobile Payments Payment Exchange Payment Processing 	<p>Hub</p> <ul style="list-style-type: none"> Interaction Hub Personalization Hub Financial Portfolio Hub 		<p>Security</p> <ul style="list-style-type: none"> Authentication Audit Log Collection OAuth Secure File Exchange Password Resets 	
	<p>Customer</p> <ul style="list-style-type: none"> Customer 360 Single Voice of Customer (SVOC) Customer Core Customer Relationships Customer Journey 	<p>Tax</p> <ul style="list-style-type: none"> Tax Processing 	<p>Events / Notifications</p> <ul style="list-style-type: none"> Mobile Alerts Event Management Enterprise Notifications 	<p>Transfers</p> <ul style="list-style-type: none"> ACH EFT
<p>Rewards</p> <ul style="list-style-type: none"> Rewards History 		<p>Platform</p> <ul style="list-style-type: none"> Golden Copy Data Lake Fast Data Lake Data Flow Management Data Lineage App Caching Centralized Repository 	<p>Privacy</p> <ul style="list-style-type: none"> GDPR 	<p>Wealth Management</p> <ul style="list-style-type: none"> Wealth Management Asset Management Entitlement Services

What Our Customers Say

"We have run similar applications for maritime companies in the past, so I could see potential problems with managing the scale of data over time with relational databases. We decided to look at NoSQL options and decided that Apache Cassandra was the best choice for scalability over time."

Nanna Einarsdóttir, Vice President of Engineering at Ankeri

The logo for Ankeri, featuring the word "ankeri" in a lowercase, red, sans-serif font.

"We pulled in one year of data from Oracle and once we got it into DataStax Enterprise, built on the best distribution of Apache Cassandra, it was smooth ride and it was processing at a very high rate"

Mukram Aziz, Senior Manager of Data Services at Capital One

The logo for Capital One, featuring the word "CapitalOne" in a blue, sans-serif font with a red swoosh above the "One".

"Telecom companies need the highest possible levels of availability and reliability around their service - their customers won't tolerate downtime. We were getting more requests to support geo-distributed deployments that could run through any site failure, so we wanted a database that could support that approach easily and still scale. That search led us to Apache Cassandra, and to getting support from DataStax."

Danilo Mišović, Technical Leadership at Logate

The logo for Logate, featuring the word "logate" in a lowercase, black, sans-serif font with a red underline under the "o".

"One of the things I don't worry about at night anymore is a 10x growth in the catalog. We can easily handle that. It's just not a problem technically or for the business. If they want to grow the catalog, we can do it. And we can do it fairly inexpensively. I don't think that's necessarily the case with proprietary relational technologies."

Peter Connolly, Senior Architect at Macy's

The logo for Macy's, featuring a red star followed by the word "macy's" in a lowercase, black, sans-serif font.

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