MongoDB Expands its Leadership as the Modern, General Purpose Database Platform With New Product Announcements

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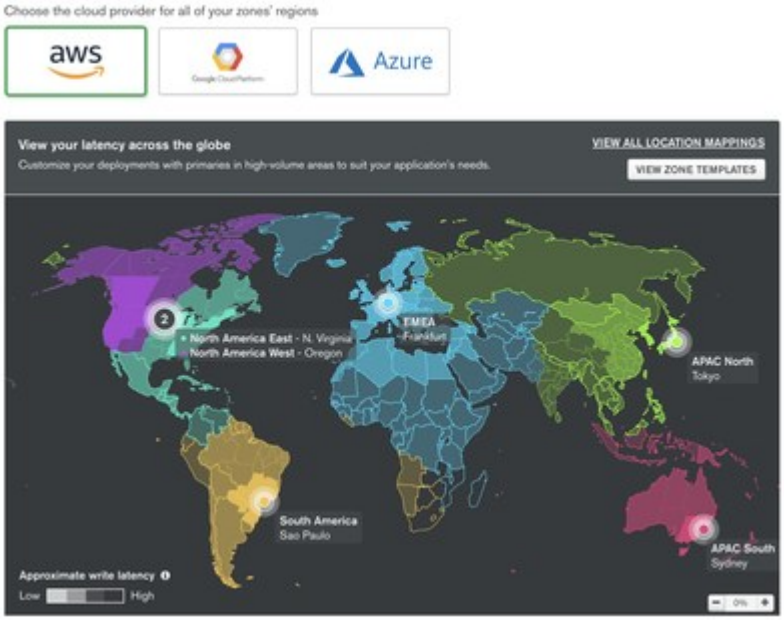
NEW YORK, June 27, 2018 /PRNewswire/ -- MongoDB, Inc. (Nasdaq: MDB), the leading, modern general database platform, made several major product announcements today that expand on its leadership in the database market.



Nearly every company is focused on using software for a competitive advantage. MongoDB has become a strategic database platform that enables this competitive advantage for thousands of customers around the world. Customers choose MongoDB for three key reasons:

- MongoDB offers the best way to work with data due to the ease, flexibility, performance and versatility of the document model;
- The native distributed capabilities of MongoDB make it easy for customers to intelligently place data where they need it for high availability, scalability, locality, regulatory and other key business requirements;
- Customers have the freedom to run MongoDB anywhere, from on-premise to consuming MongoDB as a service in the public cloud.

Today's announcements strengthen each of these pillars and further expand MongoDB's leadership as the obvious choice for all modern applications.

"Every business today is focused on digital transformation, which is all about leveraging modern digital technologies to drive superior business performance, but this is far easier said than done," said Dev Ittycheria, President & CEO, MongoDB. "With the product announcements made today, MongoDB not only provides a compelling database platform for the most sophisticated use cases, but also extends the power of MongoDB to a mobile database and a new serverless platform. This is a massive step for the industry that will enable customers to dramatically accelerate their ability to use software and data to create a sustainable competitive advantage."

MongoDB is the best way to work with data

The release of MongoDB 4.0 is highlighted by the general availability of **multi-document ACID transactions**, making it even easier to address a complete range of use cases on MongoDB. By providing a consistent view of data across replica sets and enforcing all-or-nothing execution to maintain data integrity, MongoDB transactions will be very familiar to developers already accustomed to working with transactions in legacy relational databases.

"Coinbase's mission is to create an open financial system for the world. MongoDB's technology is enabling us to scale globally and we're looking forward to partnering with the company along our journey to become the most compliant, reliable and trusted crypto-trading platform in the world," said Niall O'Higgins, Engineering Manager, Coinbase. "The addition of multi-document ACID transactions has the potential to greatly speed our engineering workflow."

MongoDB also announced the general availability of MongoDB Stitch, the company's new serverless platform, which facilitates the rapid development of mobile and web applications. The services provided in Stitch give developers unparalleled access to database functionality while providing the robust security and privacy controls expected in today's environment.

MongoDB Stitch today offers four key services to help customers get applications to market faster while reducing operational costs:

- **Stitch QueryAnywhere** is a service that exposes the full power of the document model and the MongoDB query language directly to application developers building mobile and web applications. This is done through a powerful rules engine that also lets customers define security policies at a fine-grained level to ensure sophisticated controls for data access are in place.
- **Stitch Functions** allow developers to run JavaScript functions in Stitch's serverless environment, allowing them to easily create secure APIs and to build integrations with microservices and server-side logic. Functions also enable integration with popular cloud services such as Slack and Twilio, enriching apps with a single method call to Stitch.
- **Stitch Triggers** are real-time notifications that automatically invoke functions in response to changes in the database, taking actions as they happen in applications, other services, or the database itself. These can be used to initiate other database operations, push data to other systems or send messages to end-users, such as SMS or emails.
- **Stitch Mobile Sync** (beta) automatically synchronizes data between documents stored locally in the newly announced MongoDB Mobile and the backend database. MongoDB Mobile allows developers to have the full power of MongoDB on mobile devices locally. Combined with Stitch Mobile Sync, they can easily make sure data is synchronized and up to date in real-time across mobile devices and the backend database.

"MongoDB has always been about giving developers technology that helps them build faster," said Eliot Horowitz, CTO and cofounder, MongoDB. "MongoDB Stitch brings our core strengths—the document model, the power of distributed databases, and the ability to run on any platform—to your app in a way we've never done before. Stitch is serverless, MongoDB-style: it eliminates much of the tedious boilerplate so many apps require to get off the ground and keeps you focused on the work that matters."

Acxiom, the data foundation for the world's best marketers, uses MongoDB to build next-generation data environment solutions for Fortune 100 brands across various industries leveraging its proprietary Unified Data Layer framework—an open, trusted data framework for the modern enterprise—that powers a connected martech and ad-tech ecosystem. Over the past year, Acxiom has also been using MongoDB Stitch to re-platform its Real-time Operational Data Store to a scalable cloud-first approach.

"Stitch has been fantastic for us. We've cut the time to develop an API for our customers in half, and by combining MongoDB Atlas and Stitch, our teams now have more time to solve business problems versus focusing on the management or operational overhead," said Chris Lanaux, vice president of product and engineering at Acxiom. "That combination has become a key part of our cutting-edge cloud architecture, helping us design, build and manage omnichannel solutions that power exceptional consumer experiences."

Intelligently put data where it's needed

As properly handling data becomes a critical imperative for businesses in every industry, organizations have to be far more thoughtful about where their data lives—whether to meet strict regulatory requirements such as GDPR or to provide a low-latency user experience. Furthermore, as regulatory policies and business requirements change, organizations need to be able to adapt quickly to new requirements without any downtime.

Today, MongoDB announced **Global Clusters** in Atlas, which allow customers to easily create sophisticated policies to carefully position data for geographically distributed applications. By dynamically configuring these policies, customers can ensure that data is distributed and isolated within specific geographic boundaries. Similarly, by using Global Clusters, relevant data can be moved with the click of a button close to end-users for worldwide, low-latency performance. Traditionally, orchestrating these kinds of sophisticated data policies with legacy databases was incredibly challenging if not impossible for most companies. This breakthrough capability enables organizations of any size to easily serve customers around the world while seamlessly and securely managing their data globally.

Freedom to run anywhere

MongoDB Mobile, announced in beta today, extends the freedom MongoDB gives users to run anywhere. Users now have the full power of MongoDB, all the way out to the edge of the network on IoT assets, as well as iOS and Android devices.

MongoDB Mobile, a new mobile database, allows developers to build faster and more responsive applications, enabling real-time, automatic syncing between data held on the device and the backend database. Previously, this could only be achieved by installing an alternative or feature-limited database within the mobile application which resulted in extra management, complicated syncing and reduced functionality.

"One of the most important and universal trends in modern software application development is a focus on value, specifically where developers can add value versus where they are merely reimplementing common scaffolding," said Stephen O'Grady, Principal Analyst with RedMonk. "Platforms that understand this are responding by automating and abstracting undifferentiated work away from those developing software, allowing them to focus on the application itself. MongoDB's Mobile and Stitch offerings are examples of precisely this trend at work."

MongoDB 4.0's new **MongoDB Kubernetes Operator** (Beta) supports provisioning stateful, distributed database clusters, coordinating orchestration between Kubernetes and MongoDB Ops Manager. Adding to the previous Cloud Foundry integration, support for Kubernetes gives customers the freedom to take advantage of on-premise, hybrid and public cloud infrastructure.

MongoDB Atlas is giving users more choice by extending the Atlas Free Tier to Google Cloud Platform, in partnership with Google. This allows the growing developer community relying on GCP services to build their applications using fully-managed MongoDB with no cost of entry. The Atlas Free Tier offers 512 MB of storage and is ideal for prototyping and early development.

In addition, the company announced a number of sophisticated new security features for Atlas, such as encryption key management, LDAP

integration, and database-level auditing, to offer the most security conscious organizations more control over their data. Furthermore, MongoDB Atlas now enables covered entities and their business associates to use a secure Atlas environment to process, maintain, and store protected health information, under an executed Business Associate Agreement with MongoDB, Inc., for those organizations subject to the requirements of the Health Insurance Portability and Accountability Act of 1996 (HIPAA).

Further resources

- Get more detail on the announcement in the MongoDB 4.0 What's New Whitepaper
- Find out more on MongoDB Atlas, MongoDB Stitch, MongoDB Charts and MongoDB Mobile
- Learn how to get started for free on GCP and MongoDB Atlas

About MongoDB

MongoDB is the leading modern, general purpose database platform, designed to unleash the power of software and data for developers and the applications they build. Headquartered in New York, MongoDB has more than 6,600 customers in more than 100 countries. The MongoDB database platform has been downloaded over 40 million times and there have been more than 850,000 MongoDB University registrations.

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