

Key benefits

- Centrally manage and deploy data-driven business logic
- Reliably execute server-side business functions under heavy workloads from a highly available and performant infrastructure
- Easily resize your cluster as the usage demand changes
- Swiftly streamline development and testing with a state-of-the-art debugger

Streamline infrastructure by managing data-driven business logic in one place

In today's shared-nothing, highly distributed database systems, an event-driven architecture transforms how you generate, process, store, and access data. Specifically, it helps businesses embrace unpredictability, reduces dependencies between components, and enforces company-wide data-driven business logic.

Today many enterprises add eventing to their applications via third-party integrations, which poses many technical and administrative challenges. For example, it is both difficult and expensive to develop an infrastructure that reliably executes business logic under high-velocity changes in data. When data-driven business logic is not managed centrally within the operational database itself, maintaining consistency across multiple client applications is difficult, especially when those applications are managed by different business owners. Developers struggle to maintain consistent updates to business logic across multiple mission-critical applications, which negatively impacts release timelines and deployments.



Real-time server-side event processing

Couchbase Eventing is a highly available, performant, and scalable service which enables user-defined business logic to be triggered in real time on the server when application interactions create changes in data. Eventing makes it easy to develop, deploy, and maintain data-driven business logic from a centralized platform. Natively integrated with the Couchbase Data Platform, it requires no third-party solutions to license or new DataOps skills to manage.

Key features include:

- Highly performant eventing service that can be scaled and optimized independently without impacting the performance of the operational workload.
- Enterprise-grade security that is delivered through built-in auditing, role-based access control, and end-to-end encrypted communications from client APIs to the server.
- Visual debugger that allows developers to interactively inspect the execution of eventing functions before deploying them to production.



Figure 1: JavaScript code editor for developers to write and debug eventing functions using the familiar Event-Condition-Action model.

Highly performant and reliable eventing service from Couchbase

Unmatched agility and flexibility

Leveraging familiar JavaScript programming and an interactive debugger, Couchbase Eventing makes it easier for developers to build, test, and maintain data-driven business functions closer to the data.

Unparalleled performance at any scale

Couchbase Eventing delivers highly available and performant infrastructure, which guarantees the execution of business functions under any workload. Easily resize your cluster by leveraging Multi-Dimensional Scaling to meet growing usage needs.

Easiest platform to manage

Centrally manage and deploy data-driven business logic to consolidate administrative overhead.

Learn more

To learn more, contact your Couchbase sales representative today or visit: couchbase.com/products/eventing | couchbase.com/downloads



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About Couchbase

Couchbase's mission is to be the data platform that revolutionizes digital innovation. To make this possible, Couchbase created the world's first Engagement Database to help deliver ever-richer and ever-more-personalized customer and employee experiences. Built with the most powerful NoSQL technology, the Couchbase Data Platform was architected on top of an open source foundation for the massively interactive enterprise. Our geo-distributed Engagement Database provides unmatched developer agility and manageability, as well as unparalleled performance at any scale, from any cloud to the edge.