

Industry

- [Manufacturing & Logistics](#)

Customer application

- Real-time predictive risk alerts

NoSQL solution

- [IoT Data Management](#)

Use case

- Machine learning
- Data store
- [Caching](#)

Product

- [Couchbase Server](#)

Key features

- [NIQL](#)



Prewave is a data analytics startup committed to making worldwide supply chains more transparent, resilient, and sustainable. Their AI technology analyzes social media and news media data in over 50 languages and uses advanced machine learning to deliver predictions on critical risks to their customers' supply chains. Prewave chose Couchbase as their main operational data store and cache for its ability to seamlessly stream thousands of media messages daily, reduce query time from minutes to seconds, and dynamically scale to complement their product's evolution.

CHALLENGES

- Needed a flexible and dynamic query capability
- Required high-performance cache for their operational data store
- Wanted a scalable, dynamic, and future-proof solution to enable cost-effective product evolution

OUTCOMES

- Thousands of streaming queries during every 24-hour analysis period
- Data loads and queries reduced from minutes to seconds
- From proof of concept to production within two months

“Couchbase is easy to use, quick to set up, and simple to scale. It is the Swiss pocket knife of NoSQL databases.”

Harald Nitschinger

Co-Founder & Managing Director, Prewave

About Couchbase

Unlike other NoSQL databases, Couchbase provides an enterprise-class, multi-cloud to edge database that offers the robust capabilities required for business-critical applications on a highly scalable and available platform. As a distributed cloud-native database, Couchbase runs in modern dynamic environments and on any cloud, either customer-managed or fully managed as-a-service. Couchbase is built on open standards, combining the best of NoSQL with the power and familiarity of SQL, to simplify the transition from mainframe and relational databases.

Couchbase has become pervasive in our everyday lives; our customers include industry leaders Amadeus, American Express, Carrefour, Cisco, Comcast/Sky, Disney, eBay, LinkedIn, Marriott, Tesco, Tommy Hilfiger, United, Verizon, as well as hundreds of other household names. For more information, visit www.couchbase.com.

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