

## Real-time visibility into stacks, sensors and systems

### Benefits:

#### Accumulate

- Get any data – metrics, events, logs, traces from everywhere. This includes systems, sensors, databases, queues, and networks. Store data in a high-performing server capable of ingesting millions of data points per second.

#### Analyze

- Perform analytics across all data sets with Flux, a fourth-generation query language, or InfluxQL, a SQL-like language. Down sample data for optimal query performance and provide real-time analytics for better insights.

#### Act

- Start your journey to automation and set up alerts with a simple click or perform complex anomaly detection based on machine learning algorithms. Send alerts to popular services like Slack, SMS, and PagerDuty. Create custom triggers to perform any action.



*In real-time we are now able to forecast and detect anomalies. We store all the data in InfluxDB and use machine learning models to give us visibility into what was previously hidden.*

**-Rajeev Tomer, Sr. Manager of Data Engineering, Capital One**

### Product overview

InfluxDB provides real-time visibility into stacks, sensors, and systems. It is a fast, elastic, and serverless time series platform as a service built with the developer in mind - easy to use with a free plan and usage-based pricing. With a rapid ingestion rate of up to millions of metrics per second and highly efficient compute, downsampling, and compression functions, InfluxDB Cloud is up to 100 times more powerful than non-specialized time series solutions.

### Key features

#### Built for time

InfluxDB is a high-performance data store written specifically for time series data. It allows for high throughput ingest, compression, and real-time querying. InfluxDB can handle millions of data points per second. Working with that much data over a long period can lead to increased cost of storage. InfluxDB automatically compacts, compresses, and downsamples your data keeping high-precision raw data for a limited time and storing the lower-precision, summarized data for much longer.

#### Integrated visualization and dashboarding

InfluxDB comes with prebuilt dashboards and scripts for common monitoring projects – Docker, Kubernetes, Nginx, Redis, InfluxDB, with more being added all the time. Get started fast, customize some cells, and show results in minutes – not days.

#### Deeper insights

InfluxDB is equipped with Flux, our powerful language that allows developers to see across time. Flux is easy to learn and use, simple to share, and an extensible programming language designed for data scripting, monitoring, and analytics. Now it is possible to find hidden meaning in data and more accurately detect anomalies, powerful notifications, and act in time.

#### Single unified API

Everything in InfluxDB — ingestion, query, storage and visualization — is now accessible via a unified API. APIs enable faster time to value for developers as everything in the platform can now be programmatically accessed and controlled. If you started in the open source, and want to move to cloud, no problem. We offer the same API, no code change — but now you have an elastic time series database as a service at your disposal.