



InfluxDB Product Roadmap & Update

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Gary Fowler

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Gary has nearly three decades of experience in product management, program management, software engineering and sales engineering. He previously held Vice President roles in Product and Engineering at iPass, Airborne Interactive, and Lilee Systems. Gary resides in Holualoa, Hawaii.

Agenda

1 2024 to Date - Enterprise & Telegraf

2 2024 to Date - InfluxDB 3.0 based Products

3 Short Term Roadmap Items

4 Mid Term Roadmap Items

5 Long Term Roadmap Items

So Far in 2024: Enterprise & Telegraf

2024

Enterprise Releases

v1.11.5

Released in February

v1.11.6

Released in August

V1.11.7 or v1.12.0

Being planned for late 2024 or early 2025

See: https://docs.influxdata.com/enterprise_influxdb/v1/about-the-project/release-notes/ for details

2024

Telegraf Releases

9 New Releases so far this year

New Plug-Ins

Input: smartctl

Output: Zabbix output

Serializers: Binary

Processors: SNMP Lookup

Parsers: openmetrics, parquet, timestamp

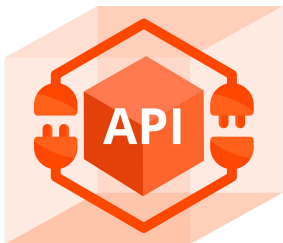
Bug Fixes & Dependency Updates

See: <https://docs.influxdata.com/telegraf/v1/release-notes/> for details

So far in 2024: InfluxDB 3.0

Cloud Dedicated

API Additions



New Token & Database Management APIs

Allows for programmatic creation of tokens and databases, and programmatic database administration

Cloud Dedicated, Clustered

Performance Improvements

Query Concurrency/Scaling

Dramatically improved performance when scaling simultaneous queries

Query Latency

Significantly reduced query latency when using custom partitioning

Misc. Other Improvements

Various Optimizations have resulted in improved query performance

InfluxDB Clustered



Added Helm Chart Support

Helm Chart Support for Customers that use Helm as their preferred deployment method

Generally Available

InfluxDB Clustered is now Generally Available and no longer in a restricted release status

Cloud Dedicated

Operational Dashboards



Released Operational Dashboards for Cloud Dedicated Customers

Allows users to see health of their cluster (CPU, Mem %) and statistics on their workload

Available to InfluxDB Clustered Customers

The Operational Dashboards can also be made available to InfluxDB Clustered customers if they have a running Grafana instance

2024 Improvements

Security

Single Sign-On for Cloud Dedicated

Allows Cloud Dedicated to utilize your own Identity Provider

Parameterized Query Support

Prevents common injection attacks

Short Term Roadmap

Table & Database Deletion

What is it?

Ability to delete a database and re-use the name

Ability to delete a table

Who is it for?

Any user that needs to remove data and start over with a database or table

Why does it help?

Provides some data eviction options that have been anxiously awaited

Reason for Prioritization
Customer Feedback

Short-Term Roadmap

Administrative UI

Cloud Dedicated,
Clustered

What is it?

A user Interface for performing token and database administrative functions

A user interface for seeing some additional observability items that are planned

Who is it for?

Users that want an easier or Graphical way to create, view, and administer their databases or create and list their API tokens

Why does it help?

It will make it easier for customers to get started as it won't require learning the CLI or remembering commands to do administrative things

It provides a vehicle for future configuration of features like ABAC and License Management

Reason for Prioritization

Customer Feedback, Future Feature Need

Attribute Based Access Control

Cloud Dedicated

What is it?

Ability to assign privileges to specific resources to specific groups of users

Who is it for?

Customers concerned with more fine grained access control over specific databases and token management

Why does it help?

Allows customers to assign different privileges to personnel based on role

Makes deployment & on-going management easier

Reason for Prioritization

Common Ask from Enterprise Customers



Mid Term Roadmap

InfluxDB 3.0 OSS

We continue to make great progress
on an Open Source version of InfluxDB
3.0

Customer Focused Observability

Cloud Dedicated,
Clustered

What is it?

Additional Metrics/Data
for Customers to use for
monitoring their Instance
of InfluxDB

Example —
Database Level Statistics
(storage, etc.)

Who is it for?

Users that want data
beyond the cluster info
provided with the
Operational Dashboards

Why does it help?

Will help our customers
better capacity plan &
forecast future use

Overall Customer
Experience Improvement

Reason for Prioritization
Improve Customer Experience

Apache Iceberg Integration

Cloud Dedicated,
Clustered

What is it?

Iceberg Integration with
3rd party systems

Allows retrieval of data
from InfluxDB via Iceberg
compatible products

Initial Target: Snowflake

Who is it for?

Customers wanting
access to InfluxDBv3
data from query tools
inside of products like
Snowflake, without
having to make a full
copy of the data

Why does it help?

Customers looking for
more integration with
their lakehouse solutions
or looking to reduce the
number of copies of data
they are storing

Reason for Prioritization
Strategic Initiative

Long Term Roadmap

Longer Term

Features Planned

Value-Add Features

Processing Engine

Row Level Data Eviction

Backup & Restore Tools

ODBC Driver (for PowerBI)

Operational Features

Auditing & Log Viewing

API Token Level Rate Limiting

V3 Write API & Data Model

Auto-Scaling & Alerting



THANK YOU