ClickHouse Meetup

Cloudflare London
July 20, 2022

Agenda

1. Introduction
2. ClickHouse Updates
3. Visualizing Data
4. Q&A

Introduction

Melvyn Peignon

- Support Services Manager
- France

ClickHouse Updates

New join algorithm for key-value tables

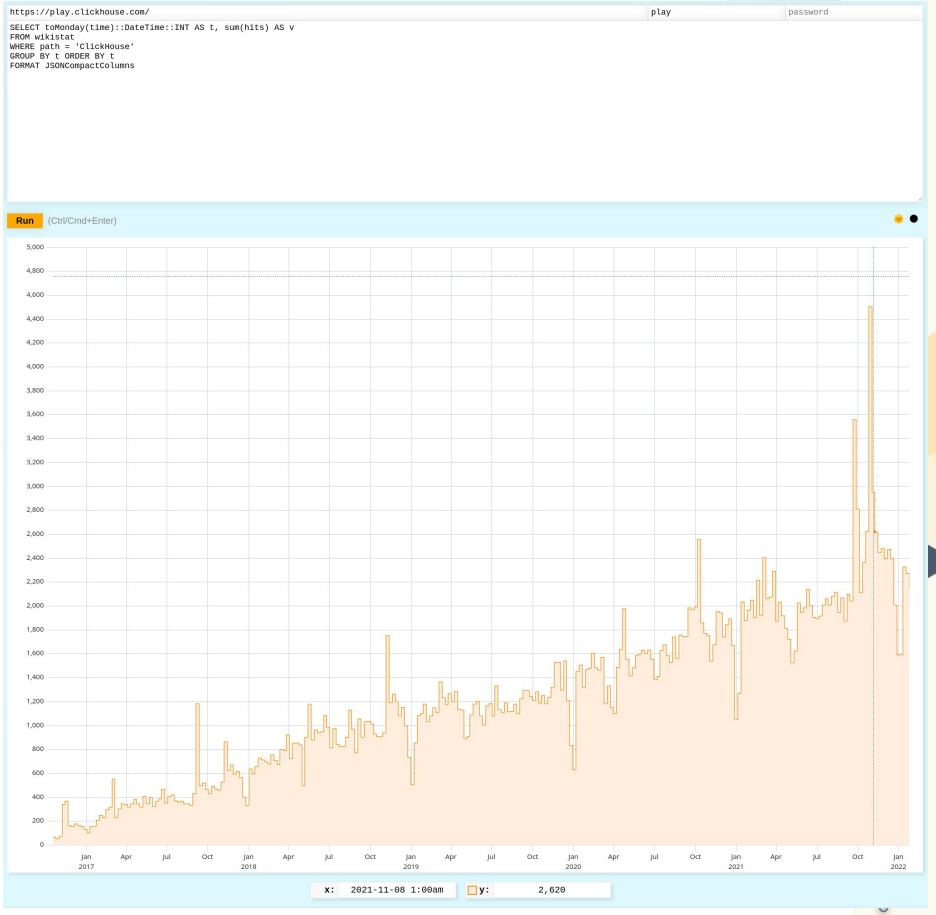
- Key-value tables like the EmbeddedRocksDB support key-value request very efficiently but when using JOIN it is going to create one large request to create a hash in memory.

- If the data does not hold in memory this new “direct” algorithm can be used. (it also have better performances)

- It will not work for all the joins (right and full joins are not supported out of the box)

Add a chart visualization to the playUI

- Add basic chart capabilities
- When using the format: JSONCompactColumns in the PlayUI the data will be displayed in a chart



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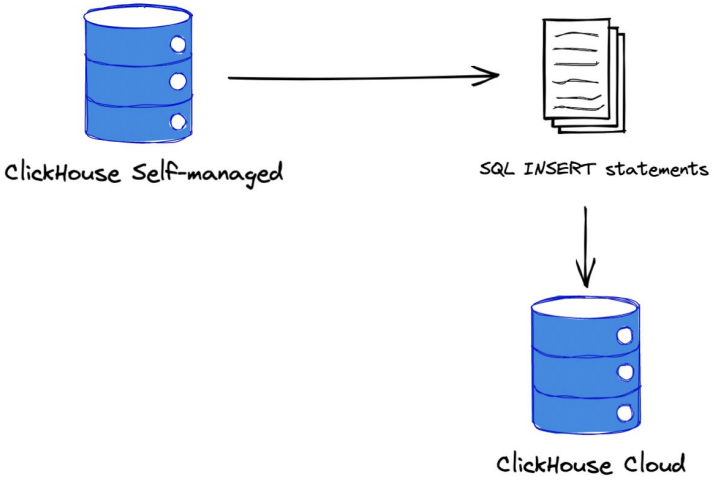
CREATE TABLE ... EMPTY AS SELECT

- Deduces the table structure from the SELECT query

- Do not fill the newly created table with any data

SQLInsert output format

- Generates a file of INSERT statement that can be used to easily add data to any database supporting SQL
- A set of parameters are availables
  - Size of the Batch
  - Table to do the insert in
  - Include or omit the column name in the insert statement



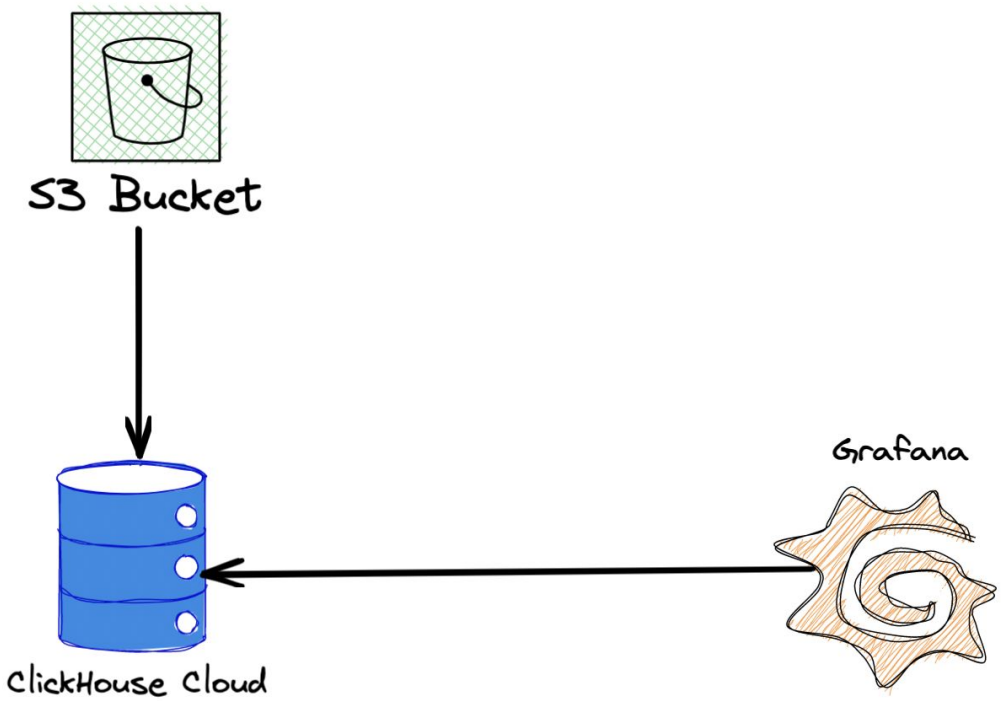
Release Webinar

- It is happening tomorrow! July 21 2022 at 5PM

- Register on our website to get the zoom link:
  - https://clickhouse.com/company/events/v22-7-release-webinar/
  - Live streamed on youtube

Visualizing Data in ClickHouse

Architecture Diagram



- Data will be pipelined from S3 bucket to ClickHouse Cloud
- Grafana Cloud will be used for data visualization
- ClickHouse Cloud will be used for storage and analytics

Demo Time

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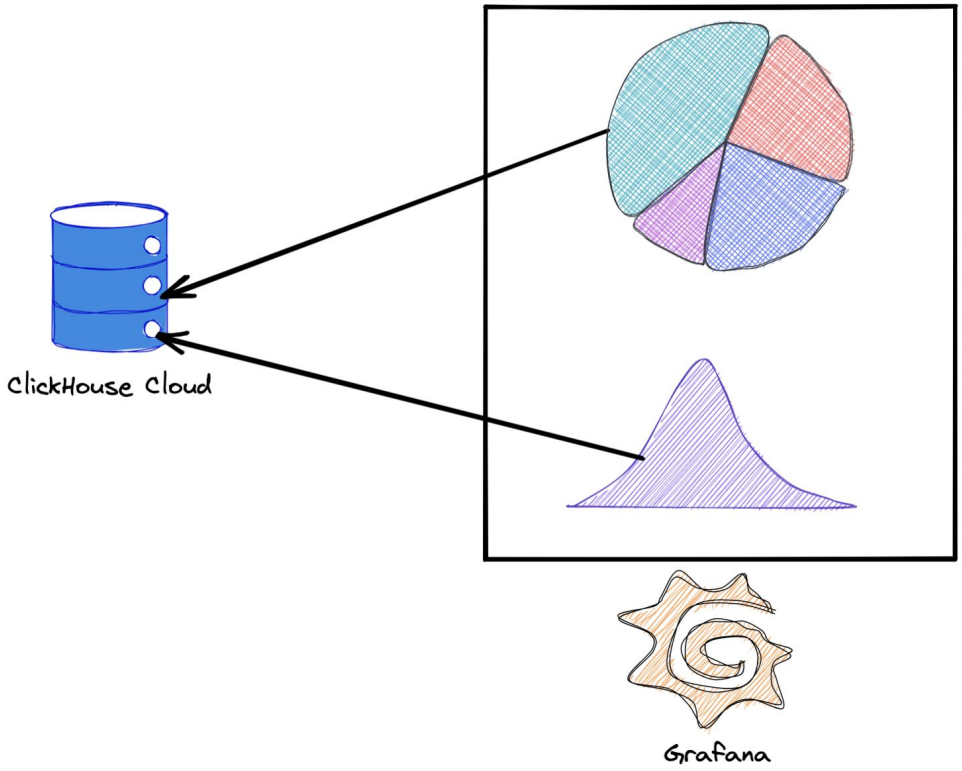
Grafana and ClickHouse



- Each panel will send a query to ClickHouse Cloud
- Each panel will send a query for every refresh

Questions?

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