ClickHouse tips & tricks

https://github.com/kshvakov/ClickHouse-CPP-Meetup

CRUD :)

:) UPDATE TABLE t SET column = 'new value'

Syntax error: failed at position 1:

UPDATE TABLE t SET column = 'new value'

Expected one of: CREATE TABLE or ATTACH TABLE query, Query, DROP, DETACH, CREATE, ATTACH, Query with output, SHOW PROCESSLIST query, SHOW PROCESSLIST, RENAME query, RENAME TABLE, SELECT query, SELECT, WITH, SET query, SET, SHOW TABLES|DATABASES query, SHOW, SYSTEM query, EXISTS or SHOW CREATE query, EXISTS, DESCRIBE, DESC, USE query, USE, ALTER query, ALTER TABLE, CHECK TABLE, DESCRIBE query, DROP query, INSERT query, INSERT INTO, KILL QUERY query, KILL QUERY, OPTIMIZE query, OPTIMIZE TABLE

* актуально для ClickHouse server version 1.1.54343.

CRUD :)

- CollapsingMergeTree
- SummingMergeTree
- MergeTree

Миграции & обслуживание :)

- Всегда полностью останавливаем запись в шард
- Не используем ON CLUSTER
- Не используем известные и неизвестные системы миграций
- WHERE toDayOfWeek(today()) BETWEEN 1 AND 4

ALTER и MATERIALIZED VIEW :)
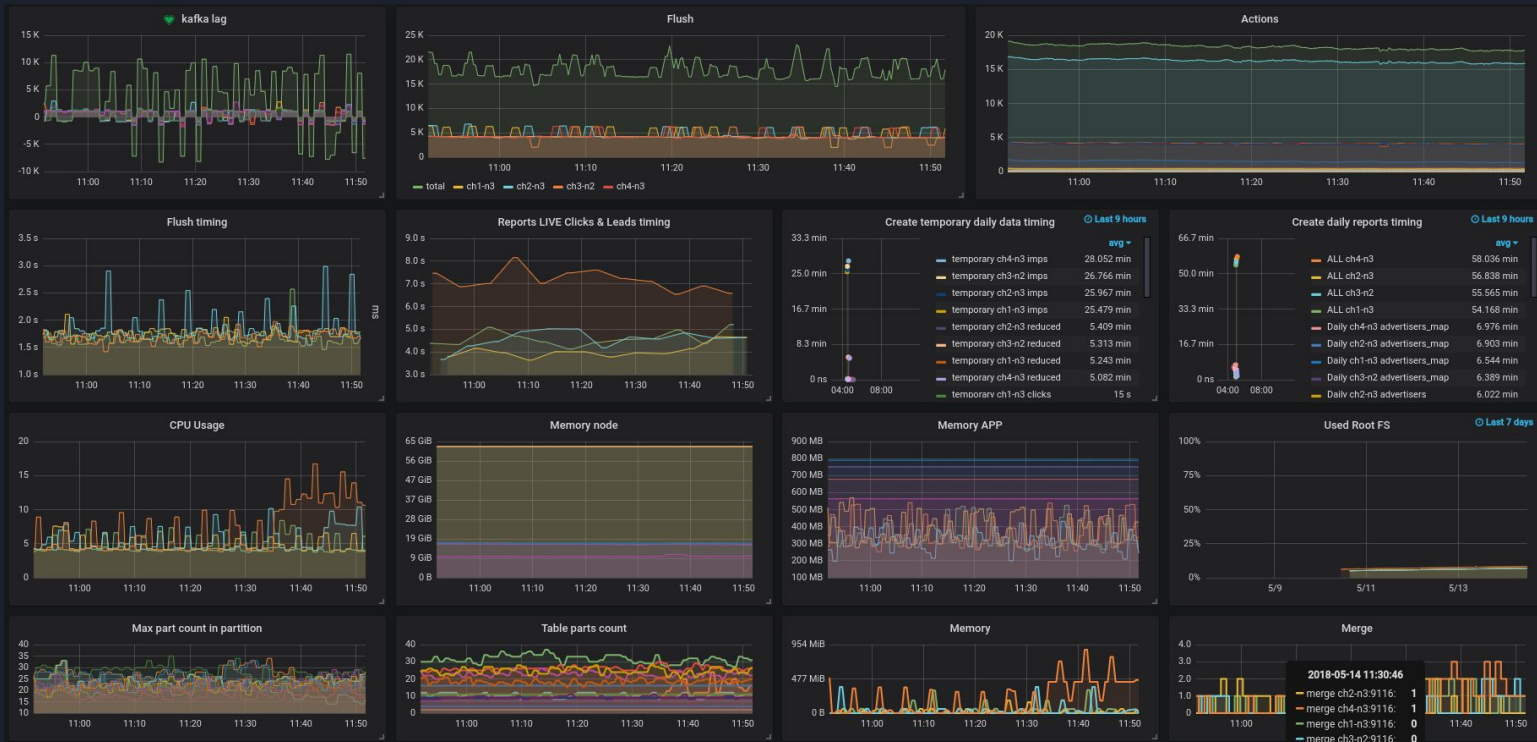
:) alter table mv add column t String

ALTER TABLE mv ADD COLUMN t String

Received exception from server (version 1.1.54343):

Code: 48. DB::Exception: Received from localhost:9000, ::1. DB::Exception: Method alter is not supported by storage MaterializedView.

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Мониторинг :)

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:) SHOW TABLES FROM system

- asynchronous_metrics
- metrics
- merges
- query_log

Grafana ClickHouse datasource

- https://github.com/Vertamedia/clickhouse-grafana

ClickHouse Queries dashboard

- https://grafana.com/dashboards/2515

Prometheus

- https://github.com/f1yegor/clickhouse_exporter

Контакты

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- github.com/kshvakov/ClickHouse-CPP-Meetup

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