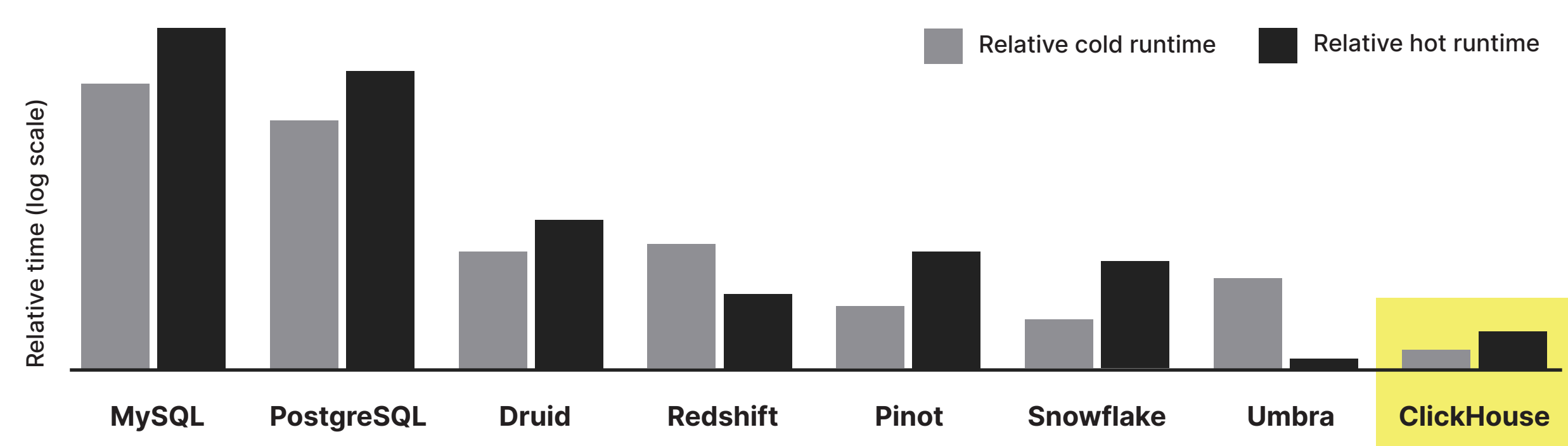


# ClickHouse

## Lightning fast analytics for everyone.

### Fastest analytics database



ClickHouse has the best query performance amongst production-grade analytics databases. Performance is a top priority and continuously improved.

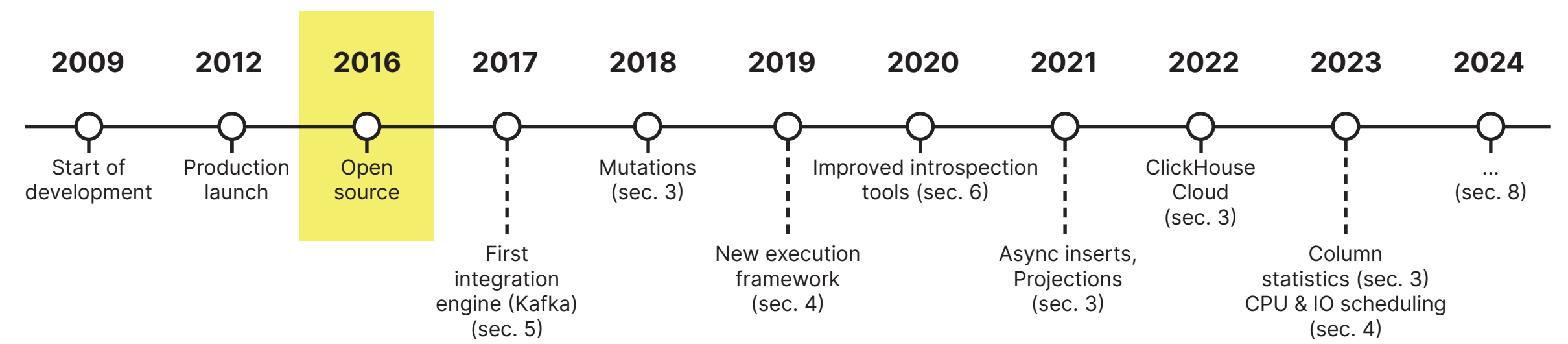
[benchmark.clickhouse.com](https://benchmark.clickhouse.com)

### For everyone

Trusted by **50%+ of Fortunes Global Top 2000 companies.**

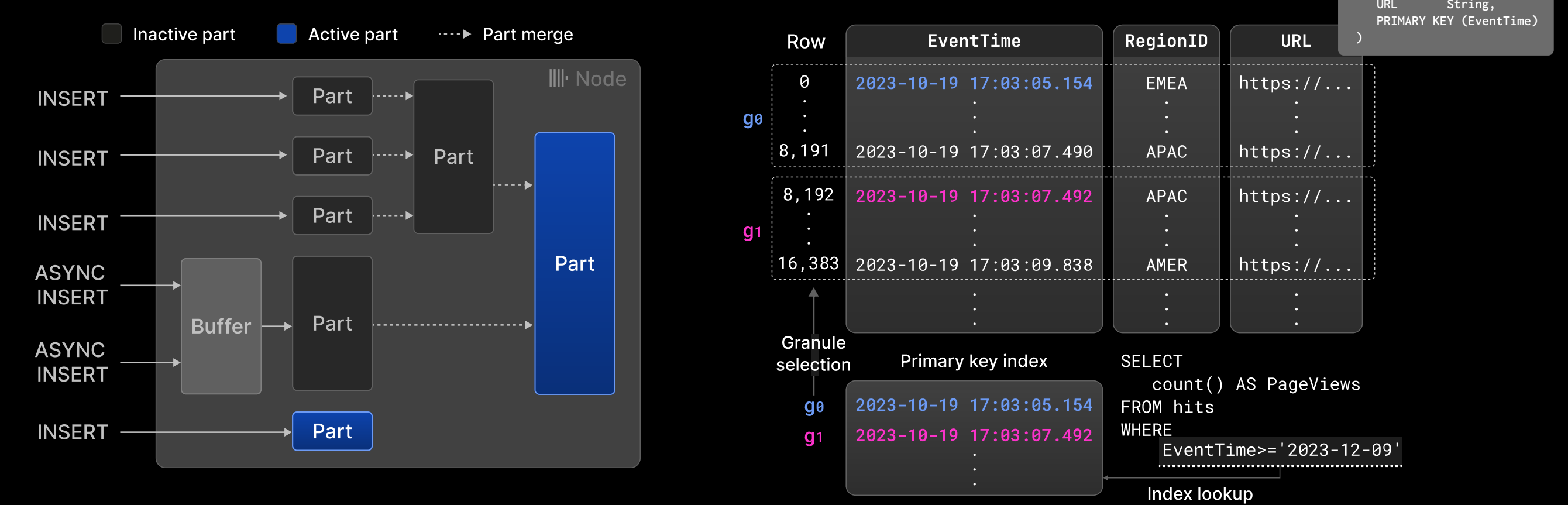
- The most popular OSS analytics database (Apache 2.0 license)
- 36k ★ and 2k+ contributors
- Runs on anything

[github.com/ClickHouse/ClickHouse](https://github.com/ClickHouse/ClickHouse)

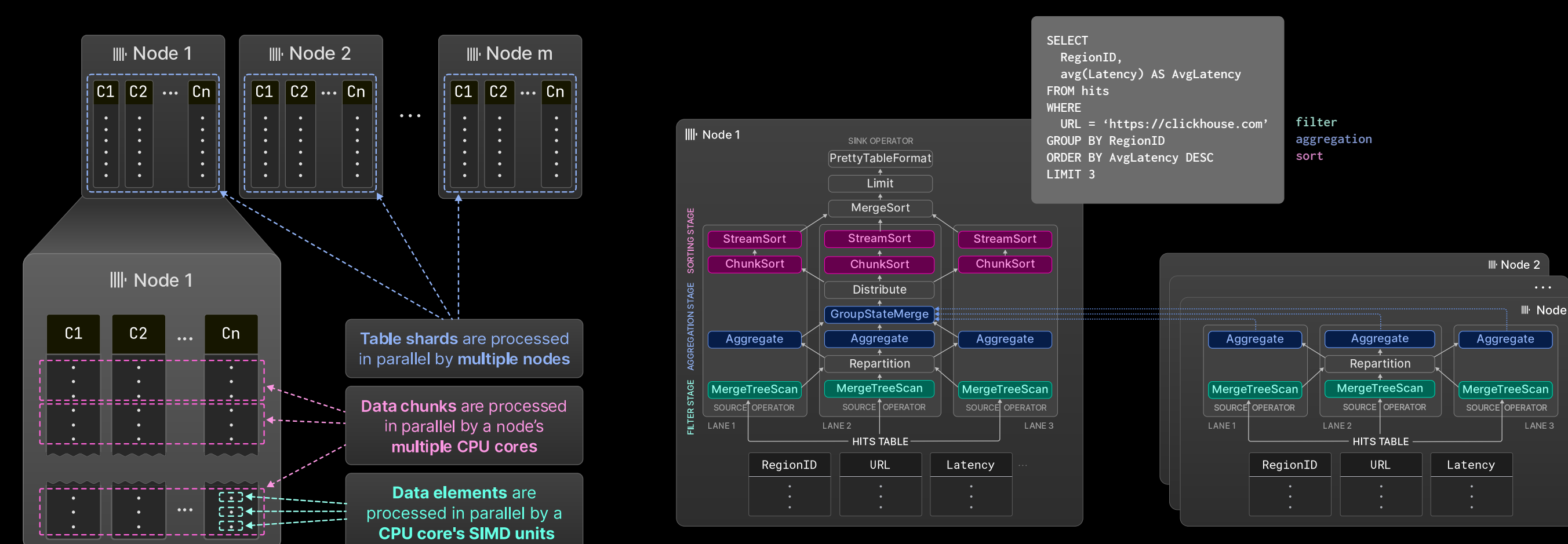


### An LSM-tree based storage layer

- Ingestion rates** only limited by disk speed. Data transformations decoupled from INSERTs.
- Three effective data pruning techniques** for quickly finding rows matching a predicate.



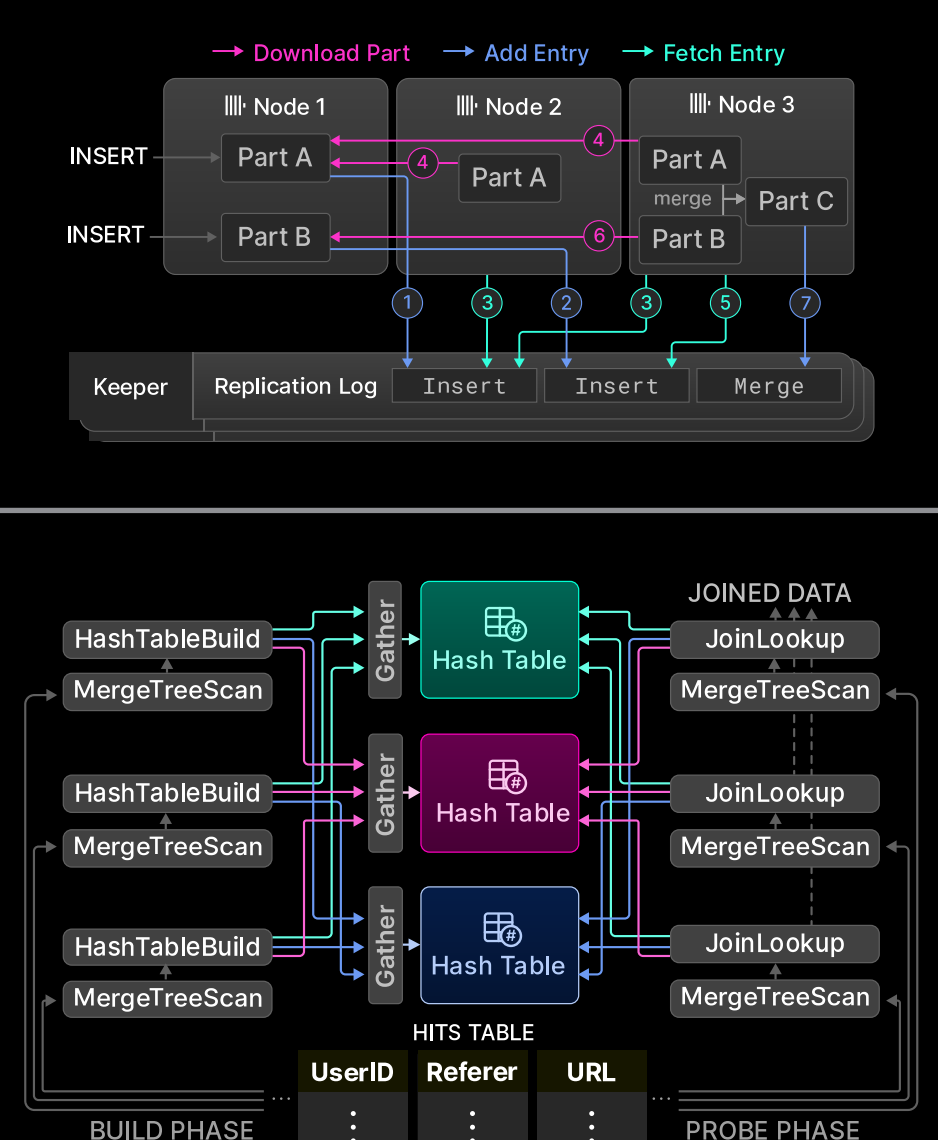
### Advanced vectorized query execution engine



- Query execution** fully utilizes all server and cluster resources.
- Enables vertical and horizontal scaling** by adding more CPU cores and more cluster nodes.

### What else to expect from the paper

- Storage layer:** updates and deletes, idempotent inserts, data replication, ACID compliance
- Query execution:** JIT query compilation, hash tables, parallel joins
- Integration layer:** native support for 90+ file formats and 50+ integrations with external systems



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