How Altinity helped MPLens boost query performance by 5X

COMPANY NAME:

MPLens

ABOUT THE COMPANY:

MPLens offers a comprehensive analytics and sales management tool for marketplaces.

> " *I would to say thanks to Aurimas, Dmitriy and Altinity for offering free help to community. We would be definitely looking forward to cooperate in the future.*

PROBLEM

Poor query performance

MPLens had performance issues in ClickHouse, and they wanted help from ClickHouse experts without a hefty bill.

SOLUTION & RESULT

Taking advantage of Altinity's free consultation

Altinity engineers are stark advocates of open source ClickHouse and its community. Hence, Altinity offers 1-hour **free** consultation to help ClickHouse users optimize their deployment. During our consultation call with MPLens, Altinity engineers identified several issues that could be cause poor query performance, and suggested several changes including:

- Changes to the ORDER BY condition
- Changes to table partition from the default value toYYYYMM()
- Changing some of the columns to LowCardinality
- Removing Nullable() from column where possible
- Rewriting main query and split it into main query with subquery inside

5X Improvement in performance

The suggested changes lead to a 5X increase in performance!

> " *Right after the free consultation, we made couple of changes to the table schema and it produced **great boost in performance**. For example, previously, query was executing for 12-15 seconds and sometimes did not even finish because it ate all of the resources (RAM/CPU). Right now, the same query takes roughly 2-3 seconds to execute.There is obviously more room for improvement, but it's a great start!*