Perfopticon: Visual Query Analysis for Distributed Databases
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Overview
1. Introduction into SQL and databases
2. Why is this paper important?
3. The 4 views of Perfopticon (with analysis and pictures)
4. Could you use Perfopticon?
5. Conclusions

2. Why is this paper important?

Query execution log files

Perfopticon can be used effectively for query and database optimization (Emma, the oceanographer, managed to speed up her query and Chu S. et. al created a better table joining algorithm).

3. The 4 views of Perfopticon (with analysis and pictures)

4. Could you use Perfopticon?

- Built into Myria (Giant online database), requires log files for the query executions with slight modifications.
- Their example: Myria, added 3 lines to log file per query execution step.
- The tool has a front-end component, upload your query log files and view the results.

5. Conclusions

- Perfopticon can be used effectively for query and database optimization (Emma, the oceanographer, managed to speed up her query and Chu S. et. al created a better table joining algorithm).
- Provides the ability to spot underperforming or overtasked nodes and drill down into the problem.
- Might work for non-relational databases as well.
- Needs more validation.