11 – Don't Hold My Data Hostage – A Case For Client Protocol Redesign

1. Overview of Idea
   Network can be a big bottleneck for DB's performance because of serialize and deserialize result set. network protocols are not improved enough to keep up with DBMS's OLAP query speed. Implementing protocols which is suitable to DB can make DBMS's performance way better.

2. Main Finding

   Simple heuristic to determine compression method can improve DB's performance.

3. Systems used and its Specifications
   PostgreSQL, MonetDB are used, with custom network protocol

4. Workloads evaluated
   lineitem, ACS dataset are used, for transferring simple result set.