InTraBase: Integrated Traffic Analysis Based on a DBMS

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Overview

Internet traffic analysis today consists of using handcrafted scripts and large number of software tools specialized for a single task. Data and results are archived into plain files. Traffic analysis also involves huge amounts of data. Due to problems of management and scalability, we started to devise an open platform for traffic analysis that would facilitate researchers' work. We base our solution on a database management system (DBMS) that provides the infrastructure for the analysis and management of data from measurements, related metadata, and obtained results.

Goals

- conserve the semantics of data during the analysis process;
 enable the user to easily manage his own set of analysis tools and methods and share them with colleagues;
 allow the user to quickly retrieve small pieces of information from analysis data and simultaneously develop tools for heavier and more advanced processing.





