

## **116. PROFILE BASED CONCURRENT DATA DOWNLOAD IN CLOUD WITH DATA SHARING AND LOAD BALANCING**

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We present the facets of the memory access bottleneck as they manifest in multithreaded processing and show their impact on query evaluation. We present a system design based on partition parallelism, memory pooling, and data structures conducive to multithreaded processing. Based on this design, we present alternative implementations of the most common query processing algorithms, which we experimentally evaluate using multiple scenarios and hardware platforms. Using the concept of partition parallelism, here we are going to achieve data download at the load time of the data itself. The data owner loads the data to the cloud server and the cloud server splits the data into small chunks using the partition algorithm. When the first splitted part of the data is uploaded to the cloud server the client can download the data. These data are stored in an encrypted form in the server.

Key words—Parallel databases, parallel algorithms, parallel processors

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