

ABSTRACT

A system for reducing database query latency, the system comprising: a memory storing instructions; and at least one processor configured to execute the instructions to perform operations comprising: receiving data reflecting performance of a role on a virtual server; identifying tokens associated with terms in the received data; mapping an index comprising the tokens and the terms; storing the mapped index in a first database; storing a key-value pair in a second database, the key corresponding to the mapped index, and the value corresponding to a portion of the received data; receiving a query; optimizing the query to reduce query processing time; constructing a search key based on results obtained by running the optimized query against the first database; retrieving a result value from the second database corresponding to the search key.