

GRAPH DATA WRITE METHODS AND GRAPH DATA WRITE APPARATUSES FOR DISTRIBUTED GRAPH DATABASE

ABSTRACT

Embodiments of this specification provide a graph data write method and a graph data write
5 apparatus for a distributed graph database. In response to receiving a graph data write request, a
graph data write operation is initiated to a graph data storage layer based on stored replica topology
information of the distributed graph database. A new primary replica node cluster is selected, at
least partially based on geographical location information of a secondary replica node cluster in
response to a failure of the graph data write operation, from a first secondary replica node cluster
10 set that completes a previous round of graph data synchronization operation, and replica topology
information at an engine analysis layer is synchronously updated. Then, updated replica topology
information is obtained from the engine analysis layer, and the graph data write operation is
reinitiated to the graph data storage layer based on the updated replica topology information.

15 FIG. 3