

DATA COMPRESSION METHODS AND SYSTEMS BASED ON KEY-VALUE STORE

ABSTRACT

5 Data compression methods and systems based on a key-value store provided by
the present specification can generate a compression dictionary based on dictionary
training of a large amount of data stored in a storage system of a server, and compress
key-value data in the storage system. Therefore, data compression efficiency is higher.
Meanwhile, the methods and systems provided by the present specification can
monitor the overall data compression efficiency of the server, and automatically
10 update the compression dictionary when the overall data compression efficiency
decreases, thereby ensuring the overall data compression efficiency.

15 FIG. 4