

ABSTRACT

TECHNIQUES FOR CAPTURING DATA SETS

Techniques, including systems and methods, for capturing data sets include performing a client-side two-phase commit to ensure one or more data consistency conditions. A logical volume may represent a data set that is distributed among a plurality of physical storage devices. One or more client devices are instructed to block at least acknowledgement of write operations. When the one or more client devices have blocked at least acknowledgement of write operations, one or more servers in communication with the physical storage devices are instructed to capture corresponding portions of the data set. When the servers have been instructed to capture corresponding portions of the data set, the client devices are instructed to resume at least acknowledgement of write operations.

Figure 3