

METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR IMPLEMENTING COPY-ON-WRITE OF A FILE

Abstract

Various copy-on-write implementations for a computing environment are disclosed. One copy-on-write implementation includes employing a read mapping table (900) to map virtual blocks (1-4) to physical blocks (A, D, G and L) for use in reading a block of data of a file to be copy-on-written from physical storage for modification; and employing a different, write mapping table (910) to map virtual blocks (1-4) to physical blocks (W, X, Y and Z) for use in writing a modified block of the file data to physical storage, wherein copy-on-write of the block of data is achieved using a single write operation.

Fig. 9



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