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(57) Abstract :

The invention discloses a system and method for detecting a slack space in the memory. A software or a tool is used to scan a storage device for an unused space by analyzing the data blocks and their usage. Then the software or the tool enables to identify the unused space and marks it for consolidation. The identified unused space is consolidated by merging it with adjacent blocks of data or by allocating it to new files. The software or tool optimizes the storage device by rearranging the files on it to minimize fragmentation and improve access times. This process can be scheduled to run automatically or at a specific time or interval.

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