

METHOD AND SYSTEM FOR PROVIDING AN INSTANT BACKUP IN A RAID DATA STORAGE SYSTEM

ABSTRACT

A method (210) and system (100) for providing a backup of a portion of a source drive of a plurality of drives (30,32,34,36) in a redundant array of inexpensive disks (RAID) data storage system (20) is disclosed. The portion of the source includes a plurality of segments. The method (210) and system (100) include associating the source drive with a target drive (step 212) of the plurality of drives (30,32,34,36) and providing a copy of the plurality of segments on the target drive (steps 214, 216, 218). The copy is provided such that input to and output from source drive and the target drive are allowed during the step of providing the copy of the plurality of segments (step 218).

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