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TUGAS

PERTEMUAN 5

1. List the physical storage media available on the computers you use routinely. Give the speed with which data can be accessed on each medium.

Here is a description of the access speed of each storage medium:

CD Drive: 8 MB/s
DVD Drive: 20 MB/s
USB: 30 MB/s
Memory Cards: 1-40 MB/s
Hard Disk: 100 MB/s
Solid State Disk: 100 MB/s

2. How does the remapping of bad sectors by disk controllers affect data retrieval rates?

Remapping on damaged sectors does reduce the rate of data retrieval due to the missing order in those sectors

3. RAID systems typically allow you to replace failed disks without stopping access to the system. Thus, the data in the failed disk must be rebuilt and written to the replacement disk while the system is in operation. Which of the RAID levels yields the least amount of interference between the rebuild and ongoing disk accesses? Explain your answer.

The answer is Level 1 RAID because Level 1 RAID is capable of rebuilding failed disks with minimum interruption. While at other RAID levels to build a failed disk must involve the contents of another disk

4. What is scrubbing, in the context of RAID systems, and why is scrubbing important?

Scrubbing can scan for invisible failures