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RAID Level 1: Disk Mirroring	CEH
Multiple copies of data are simultaneously written to multiple drives Provides data redundancy by duplicating the drive data to multiple drives If one drive fails, data recovery is possible Requires a minimum of two drives	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
RAID 1	Disk 1
RAID Level 3: Disk Striping with Parity Data is striped at the byte level across multiple drives. One drive per set is tall If a drive fails, data recovery and error correction are possible using the parity	
The parity drive stores the information on multiple drives AO A1 A2 A3 B4 C4 C5 C5 C5 C5 C5 C5 C5 C5 C	Ar Br Co Do
Disk 0 Disk 1 Disk 2 Disk 3 Copyri	Disk 4 pin © by IC-Cossell, All Rights Reserved. Reproduction is Strictly Prohibited.

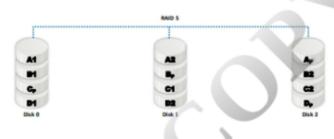
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RAID Level 5: Block Interleaved Distributed Parity



- The data is striped at the byte level across multiple drives and the parity information is distributed among all the member drives
- The data writing process is slow
- This level requires a minimum of three drives





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RAID Level 10: Blocks Striped and Mirrored



- RAID 10 is a combination of RAID 0 (Striping Volume Data) and RAID 1 (Disk Mirroring) and requires at least four drives to implement
- It has the same fault tolerance as RAID level 1 and the same overhead for mirroring as Raid 0
- It stripes the data across mirrored pairs. The mirroring provides redundancy and improved performance. The data striping provides maximum performance



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Notes:	 						

Appendix B Page 3722

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