

RAID level	Description	PROS	CONS	Recommendation
RAID 0	Disk striping	Fast read and write Maximum disk space capacity Tunable I/O	No redundancy	NO
RAID 1	Disk mirroring	Very fast read Redundancy of mirror Tunable I/O	Double write penalty Halves disk space capacity	NO
RAID 0+1	Disk striping and mirroring	Very fast read Redundancy of mirror Tunable I/O	Double write penalty Halves disk space capacity	YES
RAID 5	Striping data and parity over several disks with no dedicated disk for parity	Very fast read Highly redundant Typically configured with 'HOT' swappable spare disks Much better disk space capacity than mirroring	Quadruple write penalty Reduced disk space capacity  Untunable I/O	YES

NOTE:

1. RAID 5 is more than suitable for low volume, low transaction databases.
2. RAID 5 provides the best combination of redundancy and disk space usage.
3. RAID 0+1 provides better I/O performance but uses much more disk space.