

RHSA2

...

Featured Concepts of RAID

- **Parity method in raid regenerate the lost content from parity saved information's.**
- **Stripe is sharing data randomly to multiple disk. This won't have full data in a single disk. If we use 2 disks half of our data will be in each disks.**

Featured Concepts of RAID

- **Mirroring is used in RAID 1. Mirroring is making a copy of same data. In RAID 1 it will save the same content to the other disk too.**
- **Hot spare is just a spare drive in our server which can automatically replace the failed drives.**

Types of RAID

- **RAID0 = Striping**
- **RAID1 = Mirroring**
- **RAID5 = Single Disk Distributed Parity**

RAID 0 (or) Striping

- **High Performance.**
- **Zero Fault Tolerance.**
- **Write and Reading will be good performance.**

RAID 1 (or) Mirroring

- **Good Performance.**
- **Here Half of the Space will be lost in total capacity.**
- **Full Fault Tolerance.**
- **Rebuilt will be faster.**
- **Writing Performance will be slow.**
- **Reading will be good.**
- **Can be used for operating systems and database for small scale.**

RAID 5 (or) Distributed Parity

- **Excellent Performance**
- **Reading will be extremely very good in speed.**
- **Rebuild from Parity information from all drives.**
- **Full Fault Tolerance.**
- **1 Disk Space will be under Parity.**
- **Can be used in file servers, web servers, very important backups.**

Thank you