

HOT SPARE:

Here hot means a “backup” component and spare means extra disk which can be used when a disk gets failed.

So hot spare means a backup device.

Hot spare is also known as warm spare or hot standby.

Hot spares word is related with RAID technology.

Read about RAID here....

In RAID, multiple disk are connected together with same data content, when a disk gets failed another disk get activated with same data and same operation.

Hot sparing is the substitution of one disk or drive for a failing or failed disk or drive.

A hot spare, also called a hot standby, is a backup component that can be placed into service immediately when a primary component fails.

When one of disks fails in a RAID group, than hot spare disk will replace the faulty one, and data will be rebuilt to the hot spare.

In RAID arrays one disk is used as spare to rebuild the system as soon as a disk fails.

Related Posts:

1. Information Life Cycle Management (ILM)
2. Storage infrastructure
3. Integrated VS Modular Array
4. Data proliferation

5. Data categorization
6. Component architecture of intelligent disk subsystem
7. Intelligent disk subsystems overview
8. Mapping n operations
9. Storage system architecture
10. RAID
11. SAN security
12. JBOD
13. Elements of DAS,NAS,CAS,SAS
14. Limitations of DAS
15. Cloud vocabulary
16. NAS security
17. Management of DAS,NAS,CAS,SAN
18. FC Connectivity
19. Memory virtualization
20. Data center concepts & requirements
21. Network virtualization
22. Server information storage and management
23. ISM Architectural Framework