LIMITATION OF DIRECT ATTACHED STORAGE (DAS)

1. The major disadvantages of DAS are its distance restriction, high network overhead, and limited scalability.

2. SCSI device connections cannot typically exceed 12 meters, which means data storage is usually confined to a single room, or even within a single system enclosure.

3. Network File-Level access to DAS devices is accomplished by sharing the data through the host operating system.

4. Sharing storage in this manner eats up system resources, burdens the LAN (Local Area Network) with storage traffic, and decreases network bandwidth.

5. Another DAS handicap is limited scalability. Since the storage device connects directly to the server, when additional storage is required, more servers must be added.

6. As a result, storage management becomes increasingly complex and costly as demands for data storage grow.

7. Data not accessible by diverse user groups.

8. Allows only one user at a time.

9. High administrative costs.

SECURITY OF DIRECT ATTACHED STORAGE (DAS)

1. DAS works well in smaller environment where scalability is not issue. For example you company's Storage needs are under 500GB, confind to one server in single location, and unlikely to grow beyond the parameter ,DAS is Fast efficient choice.

2. However, if you business is growing or is Distributed any way, DAS become a quickly slow and inefficient storage method.

3. DAS is well secure in small environment, it's not used in larger Business.

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