



Backup of a Database, its Importance for DBA and Different Media's use to take backups



What is a Database Backup

- Database backup is the process of backing up the operational state, architecture and stored data of database software.
- It is accomplished by replication of the database and can be done for a database or database server.
- Usually, the RDBMS or equivalent database management program performs file backup.
- Database administrators can use the backup copy of the database to restore the database and its data and logs to its operating state.
- The backup of the database can be saved either locally or on a backup server.
- Also, all the business uses backups to protect their important database from disaster.



Why Database Backup Is Important

- **Business Protection** : Your business ' growth and survival depend on your operations ' important information. During any kind of disaster, a recovery process and backups help to restore computing devices and also restore data after files have been destroyed or removed. Backups of servers are important for data loss prevention, which can fully interrupt business operations.
- **Unlimited Data Access** : it allows you to access your data without time or location constraints. Multiple copies of data are kept secure at different locations to ensure that all of the information is preserved.
- **Credibility and Accountability** : No customer wants to work with a company that continues to lose information and can not find a way to solve a problem like this. It breaks the faith. It tells a lot about your reliability that able to recover information after a disaster.
- **Time effective** : Unless there is a prompt and reliable backup solutions, businesses can lose their reputation and even face legal action if they lose valuable information from customers or employees. If you are responsible for storing information about your customers and staff, your security system needs to be improved to ensure the best possible protection for important data.



Where to Store a Backup?

- A best practice for maintaining database backup is to keep a copy of the backup files on-site whether it is home or on-site for easy access and a copy off-site in case of fire, any damage to your location that could destroy your on-site copy of the backup.
- Online Backup Services
- USB Drives
- External Hard Drives
- LAN Storage
- Tape Storage
- Backup System