

Backup & Restore Using Onbar

ON-Bar Backs up and restores storage spaces (dbspaces) and logical files, by using a storage manager to track backups and storage media. Use this utility when you need to:

- Select specific storage spaces
- Back up to a specific point in time
- Perform separate physical and logical restores
- Back up and restore different storage spaces in parallel
- Use multiple tape drives concurrently for backups and restores
- Perform imported restores
- Perform external backups and restores

We can take the **ONBAR** backup by using below command:

onbar -b -L 0

=> ixbar file is used for emergency recovery

If we want to restore the data by using onbar:

First we need to shutdown the instance: ***onmode -ucky***

onstat -

onbar -r -t "2024-02-12 13:05:00" ---> Point in time recovery

If we want to check our restore working fine or not: ***onstat -D -r***

The Restore in Informix will be in two parts:

1. Physical Restore (DB Spaces)
2. Logical Restore (Logical Logs)

onmsync -? ==> It will sync the backup to the legato

Whenever we will take the backup, that backup will store in sysutil DB

onbar -v -> Can verify the backup

Some Differences between On-Bar & OnTape:

Can the utility...	ON-Bar	ontape
Use a storage manager to track backups and storage media?	yes	no
Back up all database server data?	yes	yes
Back up selected storage spaces?	yes	no
Back up logical-log files?	yes	yes
Perform continuous logical-log backups?	yes	yes
Perform continuous logical-log restore?	yes	yes
Back up while the database server is online?	yes	yes
Back up while the database server is in quiescent mode?	yes	yes
Restore all database server data?	yes	yes
Restore selected storage spaces?	yes	yes
Back up and restore storage spaces serially?	yes	yes
Perform cold restores with the database server offline?	yes	yes
Initialize high availability data replication?	yes	yes
Restore data to a specific point in time?	yes	no
Perform separate physical and logical restores?	yes	yes
Back up and restore different storage spaces in parallel?	yes	no
Use multiple tape drives concurrently for backups and restores?	yes	no

Restart a restore?	yes	no
Rename a chunk path name or device during a cold restore?	yes	yes
Perform imported restores?	yes	yes
Perform external backups and restores?	yes	yes
Monitor performance?	yes	no
Change logging mode for databases?	no	yes
Transform data with external programs?	yes	yes
Back up to or restore from cloud storage?	no	yes
Encrypt or decrypt a storage space during a restore?	yes	yes