Backup & Restore Using Ontape

ontapeLogs, backs up, and restores data, and enables you to change the logging status of a database. It does not use a storage manager. Use this utility when you need to:

- Back up and restore data without a storage manager
- Back up without selecting storage spaces
- Change the logging mode for databases

If we want to see the info regarding ontape:
onstat -c|grep TAPE

The OnTape can store the backup in our local system:

Step1: We need to go to the particular directory to where we need to take the backup
/user

Step2: Need to go to cd informix

Step3: We need to create two directories:
mkdir BACKUP
mkdir BACKUP_LOG

chmod 770 BACKUP
chmod 770 BACKUP_LOG

Step4: Now we have to change the logs dynamically in onconfig file:

onmode -wf TAPEDEV=/user/informix/BACKUP
onmode -wf LTAPEDEV=/user/informix/BACKUP_LOG

onstat -c|grep TAPE -> To check whether those are updated or not

For taking the ONTAPE Backup:
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ontape -s -L 0

Once the backup will complete then it will give the log unique number & also location where the backup has been saved:

1. We need to switch the logs by using: ***onmode -l***
2. We have also need to issue the Log switch: ***onmode -c***

If we want to restore the data then we need the complete backup of Database:
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dbexport -d active_imp -ss

After dbexport successful, we need to shutdown the instance:

onmode -uky

dbaccess -> Will not work (We will get timeout error after shutdown)
onstat - -> To check whether server is online or offline

After that we will good to restore the data:

ontape -r

It will asks to backup the logical logs as well & continue to restore the data.

Paralley we can check the number of pages are recovering by using : ***onstat -D (or) onstat -D -r***

Incase if our database was in inconsistent state then we can follow the point-in-time recovery:

The backup of database level will be -> ***dbexport***
The backup of table level will be ->***unload***
The backup of DB space level will be -> ***onbar***