18-9-25

Task 9: Backing up and recovery in databases

Perform following Backup and recovery scenarios.
Recovering a NOARCHIVELOG database with incremental backup
(i) Restoring the server Parameter file
(ii) Performing recovery with a Backup control file

Scenario 1:
Step 1: Backup Database
Backup Database [database name] To disk = 'backup file.bak' with
noformat, noinit, Name = 'Full Database backup', skip, rewind, unload, stats

Step 2: Create Incremental Backup
Backup database [database name] To disk = 'incremental backup.bak' with
differential, Noformat, Noinit, Name = 'Incremental database backup',
skip, rewind, nounload, stats = 10

Step 3: Simulate data loss
Intentionally delete or modify data

Step 4: Restore Database
Restore Database [database name] From disk = 'backup file.bak'
with replace.

Step 5: Apply incremental backup
Restore Database [database name] From disk = 'incremental
backup.bak' with replace.

Step 6: Recover database
Recover database [database name]

Step 7: Open Database
Alter Database [database name] set online

Scenario 2: Restoring the server Parameter file
Step 1: Backup spfile
Backup Server parameter file to file = 'spfile.bak';
Step 2: Simulate spfile
Delete or modify spfile
Step 3: Restore spfile
Start up Mount
Restore server parameter file from file = 'spfile.bak';
Shutdown
Startup.

Scenario 3: Performing Recovery with a Backup control file

Step 1: Back up control file
Backup Control file to file = 'control file.back';

Step 2: Simulate control file loss
Delete or modify control file

Step 3: Restore Control file
Startup mount
Restore control file from file = 'control file.bak';
Alter controlfile reuse;

Step 4: Recover database
Recover database using Backup Control file;

Step 5: Open Database
Alter database open reset logs;

SQL Server Commands:
- Backup Database
- Restore Database
- Recover Database
- Alter Database
- Backup ~~Dat~~ Server Parameter file
- Restore Server Parameter file
- Backup controlfile
- Restore Control file.

Result:- Thus the implementation of Backing up and recovery in database has been executed successfully