

7-10-25

Task a: Backing up and recovery in Database

- Recovering a NoArchiveLog Database with incremental Backups.
- Restoring the server Parameter file
- Performing Recovery with Backup control File

Scenario: Recovering a NoArchiveLog Database with incremental Backups.

Step 1: Backup Database

Backup Database [database-name] To Disk = 'backup-file.bak' with NOFORMAT, NOINIT

Step 2: create incremental Backup

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 Parameters file

- Step 1: Backup SPFILE.

Backup server Parameters FILE TO FILE = 'spfile.bak'

- Step 2: simulate SPFILE loss

- Delete or modify SPFILE.

- Step 3: Restore SPFILE

Startup mount

Restore server Parameters FILE FROM FILE.

Shutdown

Startup

Scenario 3: Performing Recovery with Backup

-- Step 1: Backup control file

Backup controlfile TO FILE = 'controlfile.bak';

- Step 2: simulate control file loss.

-- Delete or modify control file

-- Step 3: Restore control file

STARTUP MOUNT

RESTORE CONTROLFILE FROM FILE = 'controlfile.bak';

ALTER CONTROLFILE REUSE;

-- Step 4: Recover Database

Recover DATABASE using Backup controlfile

STEP 5: Open Database

ALTER DATABASE OPEN RESETLOGS;

SQL Server commands:

- Backup Data Base
- Restore Data Base.
- Recover Data Base
- Alter Data Base
- Backup controlfile
- Restore controlfile.

VEL TECH	
EX NO.	9
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	1
TOTAL (20)	5
SIGN WITH DATE	