13/10/25
Taska: Backing up and Irecovery
in databases

Aim:

to perform and understand various PHAN backup and succeey senderous in acrose le database

Senavio 1: Recovering a DONACHIVE LOGI Database with increased Brekers.

Backup DATABASE Hospital TO DISK = C: (Backup)

Maspital-Beel back with NO FORMAT, NOINIT,

NAME = "Full Hospital Database Backup; SKIP,

REWIND, NOUNLOAD, STATS = 10;

ocetpul:

Parocessed 10240 pages bor clatabase 'Hospital', Bile 'Hospital-Data' on Bile 1.
Parocessed 52 pages for dalabase Hospital, Bile 'Hospital-Log' on Bile 1.

Step 2: Orewe Incremental Backup

Backup Database Hospital to disk = 'C:\

Backup hospital - incremental bak' WITH

DIFFERENTIAL, NOFORMAT, NOINIT, NAME =

'Theremental hospital Database Backup',

Skip, REWIND, NOUNLOAD, STATS = 10;

ocelpus:

Differential backup completed Suess fully.

Backup Gile: C:\ Backup\ haspitalsucremental bak orecited.

Step3: Simulate Data Loss

DELETE From Patiens where Patient. 10 = 105;

output

1 oragu offected

31694: Restooil Delabose

RESTORE DATABASE HOSPILLED FROM DISK = CX Backup nespital-back WITH REPLACE;

output

Dalabuse surlanced brom hospitul bull-b suessbelly processed. ak.

RESTORE DATABASE Steps: APPly Incremental Backup

RESTORE DATABASE HOSPITUL FORM DISK = 'C: Backup | nospital - Incremental. book'

WITH REPLACE;

Database viosioned brom differicel output: backerp 'hospital-incremital back'

Step 6 : Perover Dutabase PECOUER DATABASE HOSpital; Output Databuse orecovery complete. no oscore derected. Stept open dalabase ALTER DATABASE HOSPITAL SET ONLINE; output: command completed successfully. Database Hospital is now online. Scenario 2: pestrocing the server parcemeter File Step 1: Backup SPFITE BACKUP SERVER PARAMETER FILE TO FILE = 'C:\ Backerp\Spibile-Vaspilal autput: server parameter file backed up Sucssbelly.

Slep 2: simulate SPFILE LOSS Hannaly delete or revene the File output: SPFIEE not Bound como Step3: Pestagre 3PFILE Stoodup MOONT; RESTORE SERVER PARAMETER FILE FROM FILE: 'C:\ Backup\ SP Bule_ hossilal. but SHUT DOWN; STARTUP; ocetput Octabase mariled. seguer parameter bile orestocked beam C':\Buckerp\Spfile_hospitcel.book'. Instance shutdown and sustoned Sucssfeely.

Senerio 3: Portoury Recovery. Step1: Backup control File Backup ControlFILE TO FILE = 10: (Backup) hospital - controdule book; output control were backed up sucerefully to 'C: \Backeep \ hospileel-onbrolbilebox Step 2: Simulate Contral File Poss - Pelete or mooly of control file owput: control bile missing corrow Step 8: Pestage Control File START HOONT; RESTORE CONTROLFILE FROM FILE= 'C:\Buckeep\ hospital - controlfile. bok'; ALTER CONTROL REUSE; OUTPUT Enstance mounted control file orestoored succestilley Bosom hospitel-controllile. bak . ALTER CONTROL FILE REUSE COMPLETED Successfully.

6/10 947 Recover Database PEROVER DATABASE USINON BACKUP CONTROLAN output: Medica verovery complete Database Synthononized using bookers control bile. Step 8: open Database ALTER DATABASE OPEN RESTLOGISI Dalabose opened with RESTLOGIS OUTPUT: All Decovery operations completed successbelley.

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posited: the hospital destratore was successfully backed up and orecoved using incornated, SPFILE and control Bule