

BÀI TẬP THỰC HÀNH 10

Làm việc với Undo

1. Mục tiêu

- Thiết lập fixed size cho UNDO
- Sử dụng Flashback

2. Thực hiện

- Set các biến môi trường

```
export ORACLE_SID=orcl
export ORACLE_HOME=/u01/app/oracle/product/11.2.0/dbhome_1
export PATH=$PATH:$ORACLE_HOME/bin
```

- Kiểm tra thiết lập undo_management và undo_retention

```
SQL> show parameter undo
```

NAME	TYPE	VALUE
undo_management	string	AUTO
undo_retention	integer	900
undo_tablespace	string	UNDOTBS1

- Kiểm tra undo datafile có để autoextent không?

```
SQL> select FILE_NAME,bytes/1024/1024 MB from dba_data_files where
TABLESPACE_NAME='UNDOTBS1';
```

FILE_NAME	MB
+DATA/orcl/datafile/undotbs1.258.851600847	100

- Chuyển sang fixed size

```
SQL> alter database datafile
'+DATA/orcl/datafile/undotbs1.258.851600847' resize 200M;
SQL> alter database datafile
'+DATA/orcl/datafile/undotbs1.258.851600847' autoextend off;
```

- Sử dụng Flashback

```
export NLS_LANG=american_america.al32utf8
export NLS_DATE_FORMAT="yyyy-mm-dd:hh24:mi:ss"
```

```
SQL> select sysdate from dual;
```

```
SYSDATE
```

```
-----  
2014-07-01:20:26:10
```

```
SQL> delete from scott.dept where DEPTNO=40;
```

```
1 row deleted.
```

```
SQL> select * from scott.dept;
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO

```
SQL> commit;
```

```
Commit complete.
```

- **Flashback query**

```
SELECT * FROM scott.dept  
AS OF TIMESTAMP TO_TIMESTAMP('2014-07-01:20:27:10', 'YYYY-MM-DD  
HH24:MI:SS');
```

- **Flashback Transaction**

```
insert into scott.dept  
SELECT * FROM scott.dept  
AS OF TIMESTAMP TO_TIMESTAMP('2014-06-26:18:55:13', 'YYYY-MM-DD  
HH24:MI:SS') where deptno not in ( select deptno from scott.dept) ;
```

- **Flashback Table**

```
FLASHBACK TABLE scott.dept TO TIMESTAMP TO_TIMESTAMP('2014-07-  
01:20:27:10', 'YYYY-MM-DD HH24:MI:SS');
```