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## **How to Recover the lost current control file, or the current control file is inconsistent with files that you need to recover??**

If it is multiplexed then replace the lost one with the available one else restore it from backup. Here I am using RMAN

RMAN SID               = RECO  
TARGET SID             = TEST5

Check that our target system is running on archive log

```
SQL> archive log list;
Database log mode           Archive Mode
Automatic archival         Enabled
Archive destination         USE_DB_RECOVERY_FILE_DEST
Oldest online log sequence   1
Next log sequence to archive 2
Current log sequence         2
```

RMAN Setup and Configuration  
-----

Configure the Database for RMAN Operations

Set Up the Database User in the target database - on the TEST database

```
create user backup_admin identified by backup_admin default tablespace users;
grant sysdba to backup_admin;
```

Creating the Recovery Catalog User - on RECO database

```
create user rcat_user identified by rcat_user default tablespace users;

grant connect,resource,recovery_catalog_owner to rcat_user;
```

Creating the Recovery Catalog Schema Objects

Step 1. Connect to the recover catalog with RMAN:

```
rman catalog=rcat_user/rcat_user@reco
```

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Step 2. Issue the create catalog command from the RMAN prompt:

```
create catalog;
```

Register your database in the recovery catalog

Step 1: Using RMAN, sign into the database and the recover catalog at the same time

```
rman catalog=rcat_user/rcat_user@RECO target=backup_admin/backup_admin@test5
```

Step 2: Register the database with the recovery catalog

```
RMAN> register database  
RMAN> show all;  
RMAN> CONFIGURE CONTROLFILE AUTOBACKUP ON;  
RMAN> backup database plus archivelog;
```

```
run  
{  
backup database plus archivelog;  
backup current controlfile;  
}
```

```
-- Add some records
```

```
SQL> connect scott/tiger@test5  
ERROR:  
ORA-28001: the password has expired
```

Changing password for scott

New password:

Retype new password:

Password changed

Connected.

```
SQL> create table test(t number);
```

Table created.

```
SQL> insert into test values(1);
```

1 row created.

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```
SQL> commit;
```

Commit complete.

```
SQL> shutdown abort
```

remove all the controlfiles

```
SQL> startup
```

ORACLE instance started.

Total System Global Area 167772160 bytes

Fixed Size 1247876 bytes

Variable Size 79693180 bytes

Database Buffers 79691776 bytes

Redo Buffers 7139328 bytes

ORA-00205: error in identifying control file, check alert log for more info

```
C:\>rman catalog=rcat_user/rcat_user@RECO  
target=backup_admin/backup_admin@test5
```

Recovery Manager: Release 10.2.0.1.0 - Production on Wed Apr 22 13:41:02 2009

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connected to target database: TEST5 (not mounted)

connected to recovery catalog database

```
RMAN> restore controlfile;
```

Starting restore at 22-APR-09

allocated channel: ORA\_DISK\_1

channel ORA\_DISK\_1: sid=156 devtype=DISK

channel ORA\_DISK\_1: starting datafile backupset restore

channel ORA\_DISK\_1: restoring control file

channel ORA\_DISK\_1: reading from backup piece

C:\ORACLE\PRODUCT\10.2.0\FLASH\_RECOVERY\_AREA\TEST5\AUTOBACKUP  
\2009\_04\_22\O1\_MF\_S\_684

855297\_4YYZVMN3\_.BKP

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```
channel ORA_DISK_1: restored backup piece 1
piece
handle=C:\ORACLE\PRODUCT\10.2.0\FLASH_RECOVERY_AREA\TEST5\AUTOB
ACKUP\2009_04_22\O1_MF_S_684855297_4YYZVMN3_.BKP tag=TAG20090
422T133457
channel ORA_DISK_1: restore complete, elapsed time: 00:00:05
output
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TEST5\CONTROL01.CTL
output
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TEST5\CONTROL02.CTL
output
filename=C:\ORACLE\PRODUCT\10.2.0\ORADATA\TEST5\CONTROL03.CTL
Finished restore at 22-APR-09
```

```
RMAN> alter database mount;
```

```
database mounted
released channel: ORA_DISK_1
```

```
RMAN> alter database open;
```

```
RMAN> alter database open resetlogs;
```

```
database opened
new incarnation of database registered in recovery catalog
starting full resync of recovery catalog
full resync complete
```

```
C:\>sqlplus scott/tiger@test5
```

```
SQL*Plus: Release 10.2.0.1.0 - Production on Wed Apr 22 13:57:52 2009
```

```
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```

```
Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production
With the Partitioning, OLAP and Data Mining options
```

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SQL> select tname from tab;

TNAME

-----

DEPT  
EMP  
BONUS  
SALGRADE  
TEST

SQL> select \* from test;

T  
-----  
1  
2

[http://www.orafaq.com/wiki/index.php?title=Control\\_file\\_recovery&action=edit&section=2](http://www.orafaq.com/wiki/index.php?title=Control_file_recovery&action=edit&section=2)