

1.1.1 Oracle9i Full Database Restore

The following example shows a full database restore, including a "lost" controlfile, from a disk based, no recovery catalog backup.

1.1.1.1 Preparation

Since this will be a full database restore, including a controlfile restore from an autobackup, all of the prerequisites for an autobackup restore apply. Since the autobackup was made to a non-default disk location, the controlfile backup must be moved to the \$ORACLE_HOME/dbs directory. The environment variable NLS_LANG must also be set to the value for the database being restored.

1.1.1.2 Database Restore

```
/oracle/oradata/dev$ sqlplus /nolog

SQL*Plus: Release 9.2.0.3.0 - Production on Tue Jun 3 12:20:40 2003

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SQL> connect / as sysdba
Connected to an idle instance.
SQL> startup nomount;
ORACLE instance started.

Total System Global Area 235999908 bytes
Fixed Size 451236 bytes
Variable Size 201326592 bytes
Database Buffers 33554432 bytes
Redo Buffers 667648 bytes
SQL> exit
Disconnected from Oracle9i Enterprise Edition Release 9.2.0.3.0 - Production
With the Partitioning, Oracle Label Security, OLAP and Oracle Data Mining options
JServer Release 9.2.0.3.0 - Production

/oracle/oradata/dev$ echo $NLS_LANG
AMERICAN_AMERICA.WE8ISO8859P1

/oracle/oradata/dev$ $ORACLE_HOME/bin/rman nocatalog target /

Recovery Manager: Release 9.2.0.3.0 - Production

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connected to target database: dev (not mounted)
using target database controlfile instead of recovery catalog

RMAN> set dbid = 3573992445;

executing command: SET DBID

RMAN> run {
2> restore controlfile from autobackup;
3> }

Starting restore at 03-JUN-2003 12:22:58

allocated channel: ORA_DISK_1
channel ORA_DISK_1: sid=8 devtype=DISK
channel ORA_DISK_1: looking for autobackup on day: 20030603
channel ORA_DISK_1: looking for autobackup on day: 20030602
channel ORA_DISK_1: autobackup found: c-3573992445-20030602-00
channel ORA_DISK_1: controlfile restore from autobackup complete
replicating controlfile
input filename=/oracle/oradata/dev/control01.ctl
```

```
output filename=/oracle/oradata/dev/control02.ctl
output filename=/oracle/oradata/dev/control03.ctl
Finished restore at 03-JUN-2003 12:23:07
```

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

```
database mounted
```

```
RMAN> run {
2> restore ( database );
3> }
```

```
Starting restore at 03-JUN-2003 12:25:28
```

```
using channel ORA_DISK_1
channel ORA_DISK_1: starting datafile backupset restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
restoring datafile 00003 to /oracle/oradata/dev/cwmlite01.dbf
restoring datafile 00004 to /oracle/oradata/dev/drsys01.dbf
restoring datafile 00005 to /oracle/oradata/dev/example01.dbf
channel ORA_DISK_1: restored backup piece 1
piece handle=/oracle/bkupdir/dev/dev.bkup.04eom6e9_1_1 tag=FULLOFFLINEDISK_DEV
params=NULL
channel ORA_DISK_1: restore complete
channel ORA_DISK_1: starting datafile backupset restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
restoring datafile 00006 to /oracle/oradata/dev/indx01.dbf
restoring datafile 00009 to /oracle/oradata/dev/users01.dbf
restoring datafile 00010 to /oracle/oradata/dev/xdb01.dbf
channel ORA_DISK_1: restored backup piece 1
piece handle=/oracle/bkupdir/dev/dev.bkup.03eom6e9_1_1 tag=FULLOFFLINEDISK_DEV
params=NULL
channel ORA_DISK_1: restore complete
channel ORA_DISK_1: starting datafile backupset restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
restoring datafile 00008 to /oracle/oradata/dev/tools01.dbf
channel ORA_DISK_1: restored backup piece 1
piece handle=/oracle/bkupdir/dev/dev.bkup.07eom6f5_1_1 tag=FULLOFFLINEDISK_DEV
params=NULL
channel ORA_DISK_1: restore complete
channel ORA_DISK_1: starting datafile backupset restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
restoring datafile 00002 to /oracle/oradata/dev/undotbs01.dbf
restoring datafile 00007 to /oracle/oradata/dev/odm01.dbf
channel ORA_DISK_1: restored backup piece 1
piece handle=/oracle/bkupdir/dev/dev.bkup.05eom6e9_1_1 tag=FULLOFFLINEDISK_DEV
params=NULL
channel ORA_DISK_1: restore complete
channel ORA_DISK_1: starting datafile backupset restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
restoring datafile 00001 to /oracle/oradata/dev/system01.dbf
channel ORA_DISK_1: restored backup piece 1
piece handle=/oracle/bkupdir/dev/dev.bkup.06eom6e9_1_1 tag=FULLOFFLINEDISK_DEV
params=NULL
channel ORA_DISK_1: restore complete
Finished restore at 03-JUN-2003 12:26:32
```

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

```
database opened
```

```
RMAN> exit
```

```
Recovery Manager complete.
/oracle/oradata/dev$
Re-create the password file.
```

```
dbcontrol stop newdev
```

```
cd $ORACLE_HOME/dbs
orapwd file=orapwnewdev password=neils entries=20
```

```
Edit the init.ora and uncomment the "remote_login_passwordfile=EXCLUSIVE" line.
Restart the database.
dbcontrol start newdev
```

```
Re-name the global database name:
```

```
SQL> select * from global_name;
```

```
GLOBAL_NAME
```

```
-----  
DEV.LLNL.GOV
```

```
SQL> alter database rename global_name to "NEWDEV.LLNL.GOV";
```

```
Database altered.
```

```
SQL> exit
```

```
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With the Partitioning, Oracle Label Security, OLAP and Oracle Data Mining options  
JServer Release 9.2.0.3.0 - Production
```