NAME
oraemcmap – A utility, which is part of the NetWorker Module for EMC Symmetrix for Oracle, used for showing the configuration of Oracle tablespaces and datafiles installed on an EMC Symmetrix disk array.

SYNOPSIS
oraemcmap [ −S oraclesid ] [ −H oraclehome ] [ −M BCV | RDF | RDFBCV ] [ −T tablespace … ]

DESCRIPTION
The oraemcmap utility displays the current Oracle database and EMC Symmetrix TimeFinder or SRDF configuration. This program should be run after each successful oraemcasm(8) backup, and the output permanently saved. Recovering an Oracle database which was saved from a BCV, remote BCV or SRDF device using oraemcasm(8) requires knowing the original tablespace layout on the Symmetrix devices and datafile names, which this utility will provide for you.

The oraemcmap(8) utility queries the Symmetrix unit and your Oracle database to locate tablespace names and how these tablespaces are mapped onto the Symmetrix devices.

When available, oraemcmap(8) will display the following information for each tablespace in the database:

Tablespace: tablespace-name
Datafile: datafile-name
   Disk Group: group-name   Volume: volume-name
   Std Dev: device-info     paired dev: device-info

Note:
On HP/UX, the "Disk Group" field label is called "Vol. Group".

The "device-info" is displayed as SymmID-SymmDev

The "paired dev" output varies depending upon which backup method is being employed. Possible field label values are:

   BCV - for BCV backups
   R2 Dev - for RDF backups
   Remote BCV - for remote BCV (or RDFBCV) backups

OPTIONS
−S oraclesid
   Specify which instance of the Oracle database should be queried. If not specified, $ORACLE_SID, from the environment, is used.

−H oraclehome
   Specify the Oracle home directory (for the instance being queried). If not specified, $ORACLE_HOME, from the environment, is used.

−M BCV | RDF | RDFBCV
   Specify the backup method that will be employed against this database. Backup methods correspond to values entered into your oraemcasm resource file. If no backup method is specified, BCV is used.

−T tablespace …
   Specify the tablespace (or tablespaces), you wish to display mapping information about. The default is to list all tablespaces in the database.
EXAMPLES

*Display Configuration Information*

The following example displays remote BCV device information about the TOOLS tablespace:

```
oraemcmap -S EMCSOL2 -H /oracle/oracle_733 -M RDFBCV -T TOOLS
```

Tablespace: TOOLS

- Datafile: /vms/lv01dg01/oradata/EMCSOL2/tools02.dbf
  - Disk Group: dg01
  - Volume: vol01
    - Std Dev: 000183500313-0B9 Remote BCV: 000183500311-051
    - Std Dev: 000183500313-0B8 Remote BCV: 000183500311-050

- Datafile: /symm02/oradata/EMCSOL2/tools03.dbf
  - Device: /dev/rdsk/c1t1d1s1
    - Std Dev: 000183500313-0B1 Remote BCV: 000183500311-049
  - Datafile: /dev/rdsk/c1t1d3s4
    - Std Dev: 000183500313-0B3 Remote BCV: 000183500311-04B

In this example, notice that the TOOLS tablespace is comprised of three datafiles. Also notice, the Symmetrix ID is 000183500313 for the standard devices and 000183500311 is the Symmetrix ID where remote BCVs are located.

This example displays BCV device information (default) for the USERS tablespace. Also, $ORACLE_HOME and $ORACLE_SID have both been set.

```
oraemcmap -T USERS
```

Tablespace: USERS

- Datafile: /symmvxfs01/oradata/EMCHP1/users01.dbf
  - Vol. Group: vg01 Volume: lvol2
    - Std Dev: 000183500311-0C7 BCV: 0EF
    - Std Dev: 000183500311-0C6 BCV: 0EE

Notice that this was run from an HP/UX machine (i.e. "Vol. Group" instead of "Disk Group"). Also notice that the Symmetrix ID is not displayed for the BCV device.

An appropriate message will be displayed if the device is not a Symmetrix device.

*Send oraemcmap output to the printer*

Assuming $ORACLE_SID contains the name of your Oracle instance, and $ORACLE_HOME points to the Oracle home directory, you can run oraemcmap and send the output to your default printer by running:

```
oraemcmap | lpr
```
SEE ALSO

oraemcasmand emcdiscover