



WHITE PAPER

STANDARD ORACLE CONFIGURATION FOR UNIX AND LINUX

SETTING UP AN ORACLE DATABASE TO RUN TIME MACHINE®

This paper covers the basic process on how to configure Oracle server on a UNIX or Linux system for date & time testing with Solution-Soft's Time Machine.

The following assumes you have already successfully installed Time Machine on your UNIX or Linux system.

GRANT THE ORACLE USER THE RIGHTS TO SET ITS OWN VIRTUAL CLOCK

(NOTE: This step is optional, however if not taken all virtual-date changes will need to be set within the root account)

- A. Log in as root.
- B. Run the program `/etc/ssstm/tmuser_setup` and select "1" to grant users the ability to set their own virtual clocks
- C. Exit from the root account

CREATE A VIRTUAL DATE FOR THE ORACLE ACCOUNT

- A. Log in as the Oracle user.
- B. Run the UNIX/Linux command 'id' to determine your user's ID

Example:

```
[root@Ellison ~]# id oracle
```

```
uid=500(oracle) gid=502(oinstall) groups=502(oinstall),501(dba)
```

- C. Create a virtual date for February 28, 2012 at 1:17 pm using the ID returned from the step above, in this case '500'.

Example:

```
# tmuser -a -u 500 -x 022801172012
```

- D. Start up the original Oracle database owned by oracle if not already started

```
# su - oracle
```

```
% [oracle@ Ellison ~]$ sqlplus
```

```
SQL*Plus: Release 10.2.0.1.0 - Production on Fri Nov 10 11:22:49 2008
```

```
Copyright (c) 1982, 2005, Oracle. All rights reserved.
```

```
Enter user-name: / as sysdba
```

```
Connected to an idle instance.
```

SQL> startup open
ORACLE instance started.

E. Query the database for time.

SQL> select sysdate from dual;
SYSDATE

28-FEB-12

SQL> select to_char(sysdate, 'Dy DD-Mon-YYYY HH24:MI:SS') as "Current Time" from dual;
Current Time

Tue 28-Feb-2012 13:17:15



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