

# Ezenia InfoWorkSpace

**Technical Bulletin TB07-004**

**Change Request: NA**

**Title:** Impact of changes to daylight saving time (DST) rules on the Oracle database

Platform	Version	Operating System	Category
Server	3.0x	Windows & Solaris	Oracle

**Description:**

Under the Energy Policy Act of 2005, passed by US Congress and then signed into law by President George W. Bush on August 8, 2005, the start and end dates of Daylight Saving Time (DST) in the US have been changed, starting in 2007. These Oracle patches addresses possible changes that might be needed to the Oracle database because of these changes to DST rules. Impact on a system is low; however, the only way to eliminate risk is to patch your systems.

This is not a complete software distribution and you must install these patches over an existing 9.2.0.8 Oracle Server installation (See Technical Bulletin TB07-003 for information regarding the 9.2.0.8 Oracle patch).

These patches are server only patches, and should only be installed on an InfoWorkSpace 3.0x server.

**Action:**

1. Download the following patches from the Oracle MetaLink web site at <http://metalink.oracle.com>. This requires your own Oracle MetaLink user account.

Platform	Oracle JVM Patch (*)	Oracle Time Zone File Patch (\$)
Windows	5865568	5845928
Solaris	5865568	5632264

(\*) The Oracle Java Virtual Machine (OJVM) in the database has its own knowledge of time zones, which needs to be updated. Note that the OJVM patch is not reliant on, or related, to, the time zone file patch.

(\$) Time zone and DST information are only used in **TIMESTAMP WITH LOCAL TIME ZONE (TSLTZ) AND TIMESTAMP WITH TIME ZONE (TSTZ)** data types, and not for any other data type. In Oracle9i there is no automatic use of the TSTZ and TSLTZ data types. Therefore there is only a small chance that this patch is needed. Despite not being needed, it is

recommended to install this patch in case these data types will be used in the future.

2. Install the Oracle DST patches using the instructions in the attached readme file [https://www.ezenia.com/downloads/Tech\\_Bulletins/oracle\\_DST\\_30\\_readme.txt](https://www.ezenia.com/downloads/Tech_Bulletins/oracle_DST_30_readme.txt).
3. Oracle relies on the system clock for functions like SYSDATE; therefore you need to make sure the system time is changed on the correct date by applying Operating System patches before the changes occur. Refer to Technical Bulletin TB07-002 for information regarding Operating System patches.

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