

EMFACT Install Solutions for Existing Oracle Users

Introduction: If you are installing EMFACT on a computer with an existing Oracle installation, a few modifications will need to be made. EMFACT uses a version of Oracle called Oracle XE, and the modifications required will depend on how the existing Oracle system is set up.

While you are installing EMFACT, you will want to get someone from your Information Technologies (IT) department to help you. Failure to make the changes discussed will most likely cause the programs using the other Oracle databases to fail.

The following possible scenarios are discussed below.

1. User is on a network with existing Oracle databases
2. User has a copy of Personal Oracle on the computer
3. User has a copy of Oracle Express already on the computer
4. User does not have any other Oracle products on the computer
5. Multiple XE users on a network with a networked tnsnames.ora file
6. User wants to reinstall EMFACT on a new computer
7. Resetting the system password if a mistake has been made

1. User is on a network with existing Oracle databases.

Discussion: Oracle uses something called “tnsnames.ora” to define database locations. An entry is generally made in the “PATH” location of the Environment variables to tell a specific computer where this file is located. Some companies may store this file on the network, while others may store a copy on each desktop.

Oracle XE creates its own copy of the tnsnames.ora file and adds an entry to the beginning of the PATH statement ("C:\oraclexe\app\oracle\product\10.2.0\server\bin;"), so that the computer now looks in the XE directory first for this information. If this is NOT the desired behavior, then this will have to be changed.

Instructions:

You will need to merge the information in the two tnsnames.ora files. You have two options.

A. Copy the information from the standard location of tnsnames.ora and paste it into the file located here:
C:\oraclexe\app\oracle\product\10.2.0\server\NETWORK\ADMIN\tnsnames.ora.
Choosing this option means that any later updates to tnsnames.ora will need to be done manually on this workstation.

B. Copy the information from the local tnsnames.ora file
(C:\oraclexe\app\oracle\product\10.2.0\server\NETWORK\ADMIN\tnsnames.ora) into the standard tnsnames.ora file. The text will look similar to this:

XE =

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```
(DESCRIPTION =  
  (ADDRESS = (PROTOCOL = TCP)(HOST = YOUR COMPUTER  
NAME)(PORT = 1522))  
  (CONNECT_DATA =  
    (SERVER = DEDICATED)  
    (SERVICE_NAME = XE)  
  )  
)
```

Next, remove the entry: "C:\oraclexe\app\oracle\product\10.2.0\server\bin;" from the computer's PATH statement. This will give control over the tnsnames.ora location back to the previous Oracle home.

Alternative: There is a program called Oracle Locator Express (comes free with Oracle) that can be used. This allows users to change Oracle Homes by right-clicking on a tray icon. If someone is using one of the Oracle programs only rarely, it may be an acceptable way to change from one version to another. If using both programs many times during the day, this may be annoying. The Oracle Locator Express file (ole.exe) is located in the Utilities folder of the Program Files/Sullivan/EMFACT folder.

2. User has a copy of Personal Oracle on their desktop. If you have a non-networked copy of Personal Oracle on the computer you're installing EMFACT, the user will have to make the same adjustments as shown above. However, the location of the other tnsnames.ora file will be in the other Oracle directory.

3. User has a copy of Oracle Express already on the computer. If you already have a copy of Oracle Express on your computer, the installation should skip the Oracle Express install. When you get to the point where the installation package wants to import the EMFACT database, you will be prompted for a user ID and sign-on for the database. Simply choose system as the user, and enter the system password that was established previously. You must know the system password for the existing Oracle Express installation.

4. User does not have any other Oracle products on the computer, but is still having problems. Oracle requires at least 256 MB of RAM, and the installation process can take a very long time on an older, slower machine (up to half an hour). Also, make sure that your firewall is not blocking the port used by Oracle (default is 1521) or the Oracle software.

5. Multiple XE users on a network with a networked tnsnames.ora file. Since the database name cannot be changed from "XE", if there are multiple copies of Oracle XE on a network and the standard location of tnsnames.ora is in a shared networked location, there will be a problem differentiating one from the other. You can either move the tnsnames.ora to be used locally, or you can designate one of the Oracle Express instances as the "server" and install the EMFACT **database** on that machine. Install the EMFACT

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program on the other machine, but set the HOST name in the file to the computer that will be used as the Oracle XE “server”.

6. User wants to move the software to a new machine. The installation program installs a new, blank database with the software. If you get a new computer, and would like to move your data to the new machine, you need to first backup your data using the system utilities window. You will want to copy the DMP file from the backup directory to a safe location, BEFORE uninstalling Oracle Express, since this will remove all files in the OracleXE directory. Install EMFACT on the new computer. Then, once EMFACT is up and running on the new computer, you will need to copy the backup file into the matching directory on the new computer. Finally, choosing “Restore” from the System Utilities window will restore your existing data.

7. Options for resetting the system password for Oracle Express when you forgot to use the EMFACT supplied password:

You can use the SQL Command Line. To do this, go to

- Start – Programs – Oracle Express – Run SQL Command Line
- type: SQL>**connect /as sysdba**
- After it connects, type: SQL>**alter user system identified by ehsdesk;**
- Then type: SQL>**exit**
- This will reset the system password to ehsdesk.