Air Force Personnel Center

DCPDS/CSU SHARED CLIENT INSTALLATION MANUAL

(Modified for Navy use)

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1. INSTALLING THE DCPDS RELEASE-SHARED

** If you are using these instructions to load Modern Retrofit, it is recommended that you remove your current Modern software. Modern is a 16 bit application and does not have specific uninstall procedures. To uninstall it from a workstation, perform the following steps. 1) Delete the orawin directory (usually d:\orawin) 2) Delete the icons from the all users desktop 3) edit the autoexec.bat file to remove the d:\orawin path entry 4) edit the win.ini to remove the {ORACLE} section 5) Remove the sharagt.exe icon from the Startup folder.

1.1. Preparation

Before beginning, be aware this install is designed to be loaded to a shared drive on the network. The PC that the installation is executed from will become the Oracle Client Software Manager (OCSM) administrator PC and will not be able to run the DCPDS or CSU application. Instead, it will have the programs necessary to manage the DCPDS and CSU OCSM clients - namely the Oracle Client Configuration Manager and Oracle Installer applications. For HROC installs the OCSM administrator will be installed on the Windows NT file server (usually the PDC, but some regions may install on the BDC).

1.2. Running the Oracle Installer in "Shared" mode

The first step is to "map" to the shared drive you will be loading to. The shared drive and drive designator must be available to all PC's that will be running these programs. For example, if the software was installed on drive designator "Z:" mapped to an NT share named \\APPS\DCPDS, all OCSM clients must map the share \\APPS\DCDPDS to the "Z:" drive. All OCSM clients **must** use the same drive designator or the application will not work. **For HROC installs, the DCPDS software will be installed on the M: drive in Modern0, Modern1, Modern2, or Modern3 under the Apps subdirectory. Each Modern directory will then be shared. The software only needs to be installed on the server one time and then copied to the other share points before users are created. Users will then be assigned to one of the share points based upon their PC name.**

In order for the Oracle Installer to recognize that this is a "shared" install, a flag must be set when the installation program is invoked. Either the "Run" (for Windows 3.11) or "Start" (for Windows 95 or Windows NT Workstation) command can be used. In either case, the complete path for the orainst.exe or setup.exe must be entered. For example, the syntax to invoke the Oracle Installer would be "E:\CIVMOD\INSTALL\orainst.exe" if your CD is the E: drive. In order to set the flag mentioned above, append " /shared" to the end. The command line should read similar to:

E:\CIVMOD\INSTALL\orainst.exe /shared or E:\CIVMOD\INSTALL\setup.exe /shared

1.3. Select a Language

The Oracle Installer will start and the ***Language*** dialog box will display. Select "English" and press **OK**.

1.4. Specify Settings

The ***Oracle Installation Settings*** screen will then display. This screen requires you to enter the Company Name and the Oracle Home.

Oracle Home is the "HOME" directory for Oracle products (the remainder of the document will refer to this as ORACLE_HOME). If a 16-bit version of Oracle products is currently installed, it will select the existing ORACLE_HOME. If this is a new install, it will select the connected drive with the most available space. Change this setting to reflect the drive designator mapped in section 1.2. The setting should be similar to the following:

M:\ORAWIN NOTE: "M:" is an example - use the same network drive specified in section 1.2

The directory name of "\ORAWIN" is the default and may be retained as the location for this installation's ORACLE_HOME. If the ORACLE_HOME selected currently has Oracle products installed that are incompatible (i.e., AFPDS), a different directory name must be selected and the Oracle "Switch Homes" utility will need to be used.

Click **OK**.

The ***Administrator Information*** screen appears. Type the Oracle Client Software Manager administrator's user name. This must be a unique name since you can not use that name again for a client install (Client Software Agents and the Software Manager MUST have separate names). A suggestion is to select something generic, such as admin. Click **OK**.

If this is the first time Oracle products have been installed in this Oracle home, the Configuration dialog box appears. It indicates the Path variable does not include the ORACLE_HOME\BIN directory. An option id provided to let the Oracle Installer modify the AUTOEXEC.BAT file to add ORACLE_HOME\BIN directory to the Path (No is the default). ***Choose "Yes" for the DCPDS application to work.***

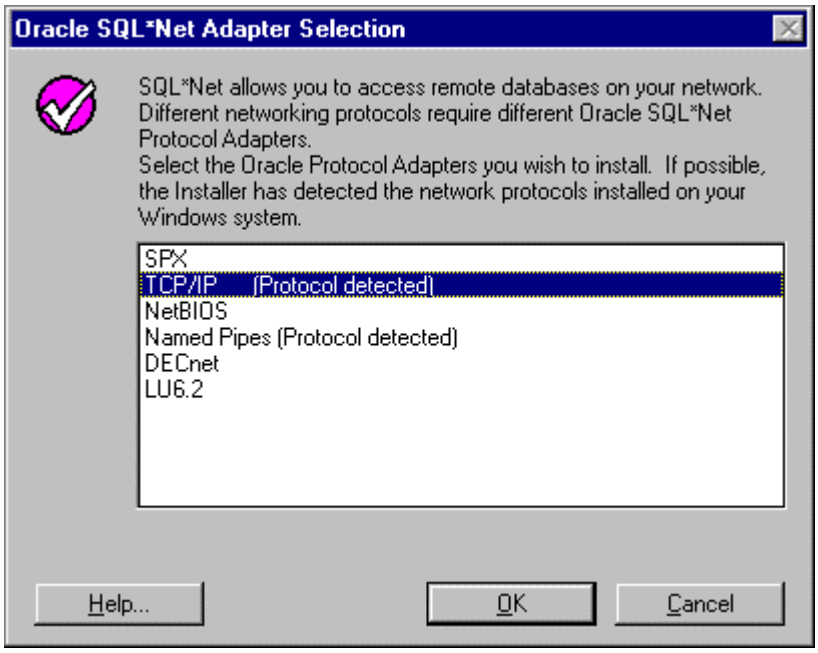
1.5 Installing Oracle Client Tools and Utilities

The next screen to appear will be titled "***Software Asset Manager"*** and will have all required products highlighted except Oracle Client Configuration Manager and Oracle Client Software Agent. All products **must** be selected for the shared install to function (including the products that are not highlighted by default).

If disk space on the network drive is a concern, there is a section titled Space below the Products Available list that shows the total size of the components being installed and the disk space available on the selected drive.

The actual installation of files will begin. The next screen displayed is the "***System Support Files***" screen, which informs that several files from Microsoft are required. To display which files are impacted, click **Help….** Select **Yes** for the DCPDS/CSU application.

Next the "***Oracle SQL*Net Adapter Selection***" screen will appear and will show the available adapters. Both DCPDS and CSU applications require the TCP/IP protocol so this protocol adapter MUST be selected.



The next screen displayed will prompt for the Advanced Networking Option (ANO) Crypto Seed. Enter 60-70 random characters and click **OK**. If at least 60 characters are not entered, SQL*Net communications to the database will not work.

The installation will finish running and a notice will appear stating the installation is complete. Click **OK**.

The ***Software Asset Manager*** screen will then appear. Ensure all highlighted products were copied over by comparing "Products installed…" to the "Products available…" window.

1.6. Installing the CSU application

This step is optional, and does not require the installation of the DCPDS application, but does require the installation of the Oracle Tools and Utilities described in step 1.5 above. For HROC installs, this step is *not* optional.

Click on the **From…** button in the upper left-hand corner of the ***Software Asset Manager***. Navigate to the \CIVMOD\CSU directory on the release media by double clicking on the icons in the "Folders:" window. Select the file named WINDOWS.PRD in the large window beneath the "File name:" window and click **OK**.

The ***Software Asset Manager*** screen will then be displayed with the necessary items under "Products available…" highlighted. Click the **Install** button.

Since there is no information available at this time regarding TNSNAMES.ORA entries, the appropriate entries will have to be entered manually in "ORACLE_HOME\NETWORK\ADMIN\tnsnames.ora".

1.7. Installing the Oracle HR COTS product

This step is optional, and does not require the installation of the CSU application, but does require the installation of the Oracle Tools and Utilities described in step 1.5 above. For HROC installs, this step is *not* optional.

Click on the **From…** button in the upper left-hand corner of the ***Software Asset Manager***. Navigate to the \CIVMOD\HR_PRD16 directory on the release media by double clicking on the icons in the "Folders:" window. Select the file named WINDOWS.PRD in the large window beneath the "File Name:" window and click **OK**.

The ***Software Asset Manager*** screen will then be displayed with the necessary items under "Products available…" highlighted. Click the **Install** button.

The ***Directory Selection*** screen will then display, prompting for the Oracle Applications top directory. It should default to \APPS10 on the drive ORACLE_HOME is located. Retain \APPS10 unless you already have a product that is using that directory. The directory selected must be directly under the shared drive letter (i.e., the root directory.)! For example, do not enter Z:\MYLOAD\DCPDSORA. Select **OK**.

The installer will then copy all required files to the directory you specified in the step above. After a successful installation, the "Installation Complete message" will display. Please click **OK** and the ***Software Asset Manager*** screen will appear.

1.8. Installing the DCPDS customizations to Oracle HR

The prerequisite to this step is the installation of both the Oracle Tools and Utilities described in step 1.5 and the HR COTS product described in step 1.7.

Click on the **From…** button in the upper left-hand corner of the ***Software Asset Manager***. Navigate to the \CIVMOD\DCPDS directory on the release media by double clicking on the icons in the "Folders:" window. Select the file named WINDOWS.PRD in the large window beneath the "File name:" window and click **OK**.

The ***Software Asset Manager*** screen will then be displayed with the necessary items under "Products available…" highlighted. Click the **Install** button.

It will again prompt to perform a standard installation where all the products are under \APPS10. NOTE: If a different directory was selected when previously prompted for the Oracle Applications top directory, it will indicate the selected directory instead of the default.

During the process of copying files, a screen labeled "***Building Desktop Icon …"*** will appear. Select the appropriate region from the list by selecting it and pressing **OK**. Next, a screen labeled "***Build Corporate Icon?"*** will prompt if access to the Corporate database is required. If "Yes" is selected, an icon to access the Corporate (CMIS) database will be built all OCSM clients, otherwise one will not.
(HRSC's answer = NO)

It now displays the ***Update SQL*Net configuration*** screen. This is designed to display if a TNSNAMES.ORA file is detected. The options are:

Yes	Any customizations made to the existing TNSNAMES.ORA file will be lost (it will be overwritten with the DCPDS default TNSNAMES.ORA.
No	The TNSNAMES.ORA will not be modified by the software. Any required entries after the installation has completed will have to be added manually.

After notification that the installation is complete click **OK**. Click **Exit** to leave the Oracle Installer.

**** Note: At this point, if there are patches to be loaded, load the patches first, then return to proceed to Chapter 2.**

There is now a new folder ("Oracle for Windows") that contains the necessary programs to administer the OCSM environment.

Proceed to Chapter 2 "Installing the Oracle Client Software Agent."

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2. INSTALLING THE ORACLE CLIENT SOFTWARE AGENT

NOTE: For HROC installs, this step should *not* be completed at this point. Rather, continue on with paragraph 3 below Administering the Oracle client server manager host (OCSM). Then, after paragraph 3 is complete, insure you have the proper entries in the M:\ORAWIN\NETWORK\ADMIN\TNSNAMES.ORA file and that the Oracle.ini file is correct. Then copy the entire M:\ORAWIN structure and M:\APPS10 structure to the other Modern share points (i.e. if you made the initial install in MODERN0, then copy everything to MODERN1, MODERN2, and MODERN3). Then continue on with this paragraph.

Complete these tasks to install the Oracle Client Software Agent on all OCSM client machines. This registers the client machine with the OCSM host and places the Oracle Client Software Agent executable in the client machine's startup group.

Ensure the client has READ access to the ORACLE_HOME directory and READ/WRITE access to the ORACLE_HOME\Clients subdirectory on the OCSM Host ("M:\ORAWIN" and "M:\ORAWIN\CLIENTS" in the examples used throughout this document).

The first task is to "map" the shared drive to the PC. The drive letter used MUST be the same drive letter used in step 1.2 above.

Navigate to ORACLE_HOME\BIN (i.e., M:\ORAWIN\BIN) and double-click on SHARAGT.EXE.

The ***Oracle Client Software*** Agent starts, determines that the client is not registered, and initiates the Oracle Installer. At this point, enter the Client's name and where the local Oracle Home resides. The Client Username cannot exceed 8 characters and must be unique. The "Oracle Home" specified in this dialog box references the OCSM clients local ORACLE_HOME, not the ORACLE_HOME specified in step 1.4. Do not reference the "shared" ORACLE_HOME (i.e., M:\ORAWIN). Click **OK.**

A notice may appear that the autoexec.bat file will need to be modified. If prompted to accept this change, click **Yes**.

If the autoexec.bat file was changed, a notice will appear advising you to reboot after completion of this installation so the new path statement can take affect. Click **OK**. During installation of the Shared Agent the Oracle Client Software Agent icon is created in the Startup Group and the user registered on the OCSM host.

If the AUTOEXEC.BAT file was modified, reboot the PC.

NOTE: The following is a tested shortcut that will save a lot of time during installation.

Setup one workstation using the above procedures, including the procedure outline in paragraph 3 below concerning moving of the client workstation ID from All Clients to Selected Clients (para 3.2). This procedure will do two things, first it creates a workstation .rgs file in M:\ORAWIN\CLIENTS and secondly it creates and entry in M:\ORAWIN\ORAINST\CLIENTS.INI file. You can save a lot of time by manually editing the CLIENTS.INI and adding the workstation Ids (just cut and paste the first entry and change the ID to correspond to your workstation Ids). This file also has a backup names CLIENTST.INI, so once you have completed all the entries, save it as both filenames. Then navigate to the M:\ORAWIN\CLIENTS directory and create a .rgs file for each workstation ID using the .rgs file created during the one workstation setup as a template. You may then run the Shareagt per above instructions on each workstation which will then copy all of the necessary files. A final step would be to push out the icons. Normally a folder would

be created manually on the one workstation from this setup which would contain the icons for Modern, Modern Training (if applicable), Ghostview, Printscreen Now, Printscreen, ADE Configuration, and Assistware. See the batch file procedures to create and run batch files to save you time during this as well as other installs.

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3. ADMINISTERING THE ORACLE CLIENT SERVER MANAGER HOST

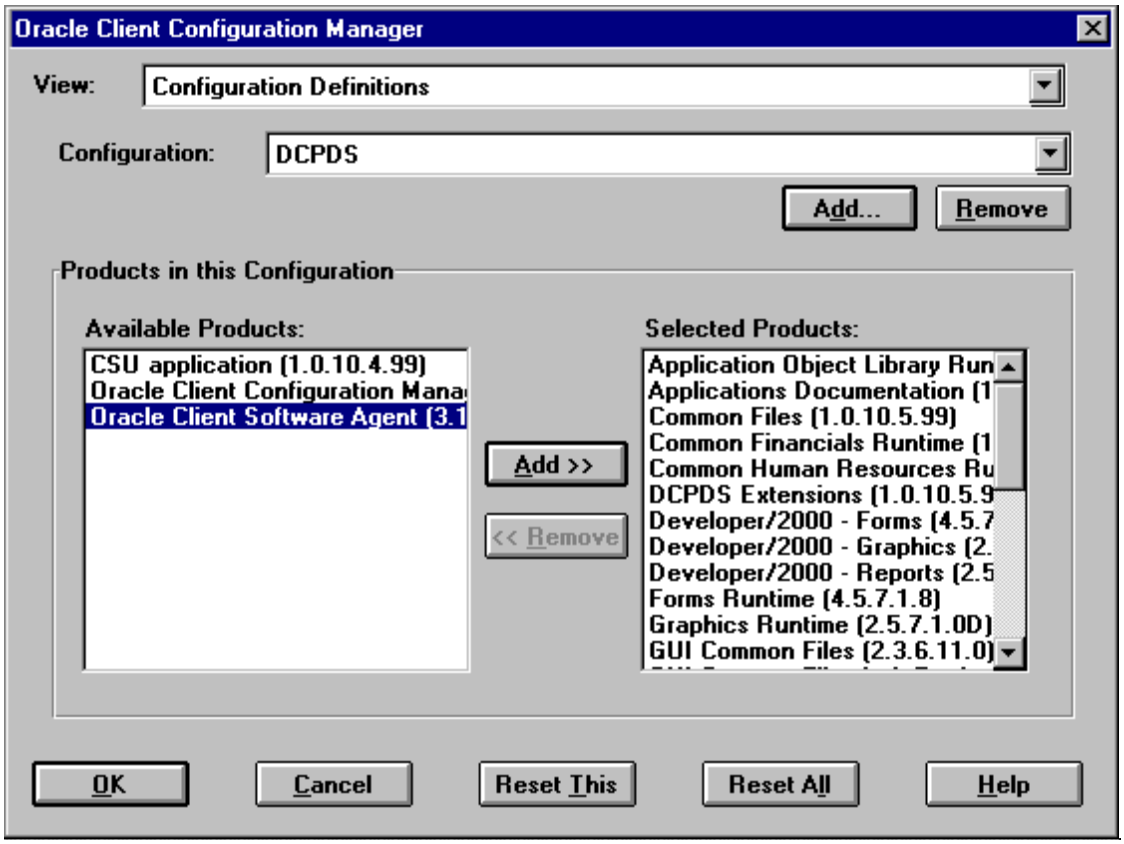
3.1. Defining Client Configurations

Define a configuration group by indicating which products it will contain in the Client Configurations dialog box. These products will be available to OCSM clients assigned to this group.

From the "Administrator" PC (The one used on step 1.2), navigate to the Oracle for Windows group and select the Oracle Client Configuration Manager icon.

The ***Oracle Client Configuration Manager*** screen appears. Perform the following steps:

1. Select Add to set up a new configuration. Enter a new configuration name, then click on **OK**.
2. Select products to be added to this configuration definition.
3. Click Add or double-click on the product names to place them in the Selected Products window.



3. Click **OK** to assign the selected products to this configuration.

NOTE: For HRSC installs, you can also move the CSU application to the right side and install that as part of the DCPDS configuration.

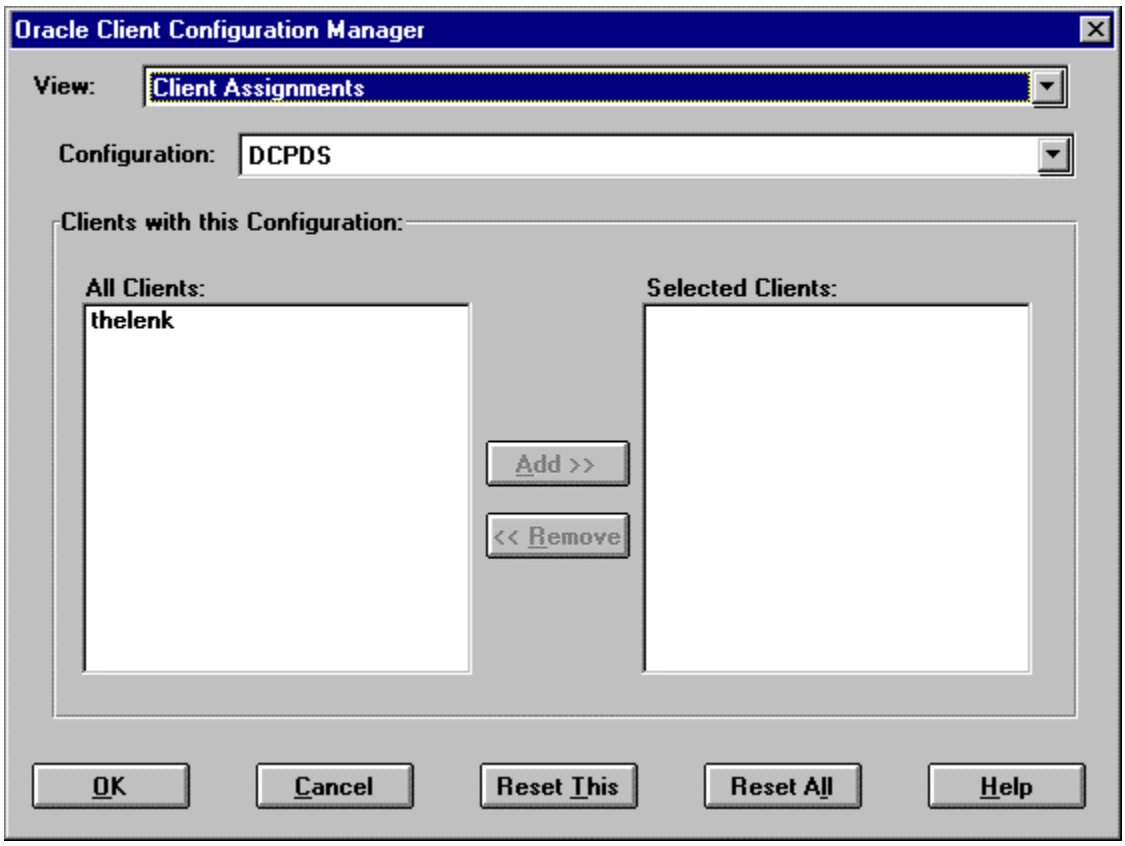
NOTE: This example screen shot illustrates the products required for the DCPDS application. Following is a table detailing the unique product requirements for both DCPDS and CSU applications:

Product Name	CSU	DCPDS
Oracle Client Configuration Manager	X	X
Oracle Client Software Agent	X	X
Oracle Installer	✔	✔
Tools Utilities	✔	✔
Developer/2000 – Forms	✔	✔
Forms Runtime	✔	✔
Developer/2000 – Reports	✔	✔
Reports Runtime	✔	✔
Required Support Files	✔	✔
Developer/2000 – Graphics	X	✔
Graphics Runtime	X	✔
SQL*Net Client	✔	✔
Oracle TCP/IP Adapter	✔	✔
GUI Common Files	✔	✔
GUI Common Files Ltd. Production	✔	✔
Oracle Advanced Networking Option	✔	✔
Network Security and Single Sign-On Domestic Edition	✔	✔
System Support Files	✔	✔
Application Object Library Runtime	X	✔
Common Financials Runtime	X	✔
Oracle Alert Runtime	X	✔
Oracle Human Resource Runtime	X	✔
Oracle FastFormula Runtime	X	✔
Oracle DateTrack Runtime	X	✔
Oracle Training Runtime	X	✔
Common Human Resources Runtime	X	✔
Applications Documentation	X	✔
Oracle US Federal Human Resources	X	✔
Common Files	X	✔
DCPDS Extensions	X	✔
CSU application	✔	X

3.2. Assigning Clients to a Configuration

From the “Administrator” PC (The one used on step 1.2), navigate to the Oracle for Windows group and select the Oracle Client Configuration Manager icon.

The ***Oracle Client Configuration Manager*** appears. Click the “View” drop-down list and select “Client Assignments”. Next, select the “Configuration” drop-down list to select the desired Configuration group.



After a Client PC runs the Oracle Client software Agent for the first time, a username appears in the All Clients window. The administrator must then assign this client to one or more of the defined configuration groups.

Note: The client PC must be registered (i.e., run the shared agent install described in Chapter 2) prior to assigning it to a configuration.

Click **Add** or double-click on the client names to place them in the Selected Clients window. Click **OK** to assign the selected clients to this configuration.

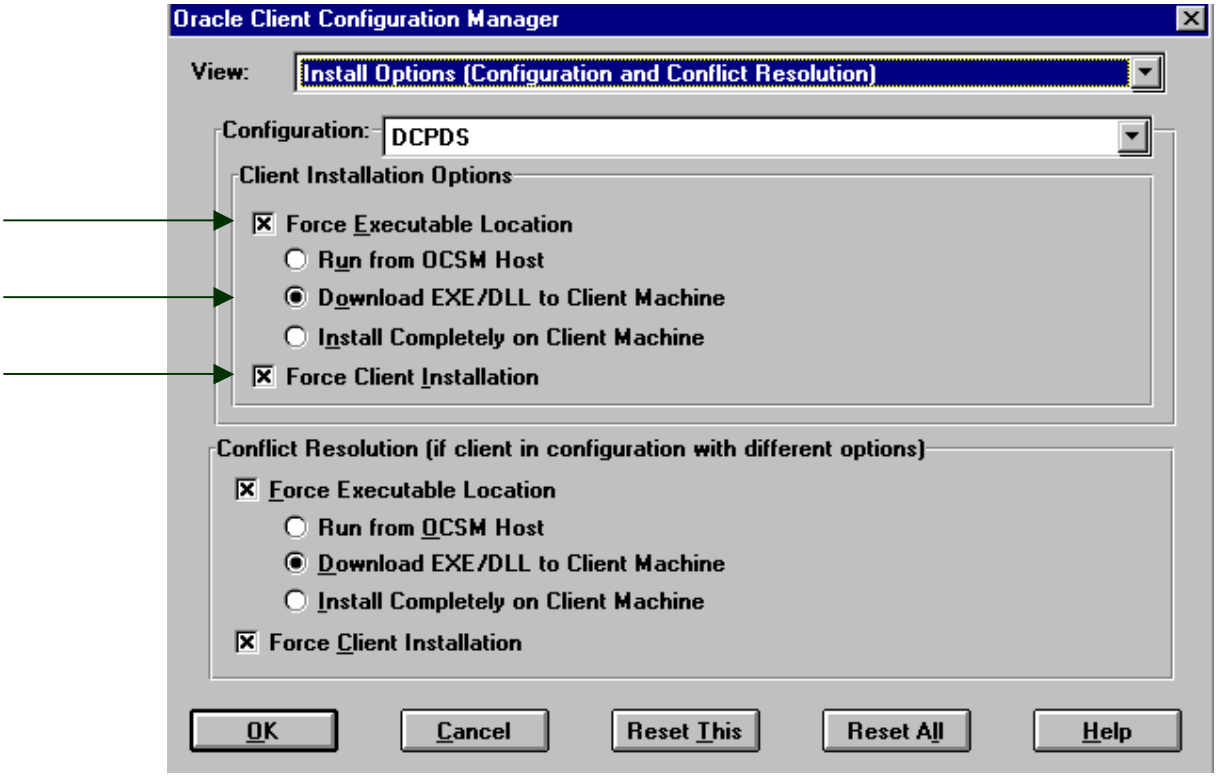
3.3. Defining Install Options

Within a configuration, the install options control the way products are installed on the OCSM client. The Oracle Client Software Manager administrator can determine where the product executables are located, how they are installed on the client machine, and whether client users can choose their own products or must accept the set of products located on the host.

3.4. Client Installation Options

From the "Administrator" PC (The one used on step 1.2), navigate to the Oracle for Windows group and select the Oracle Client Configuration Manager icon.

The ***Oracle Client Configuration Manager*** appears. Click the "View" drop-down list and select "Install Options". Next, select the "Configuration" drop-down list to select the desired Configuration.



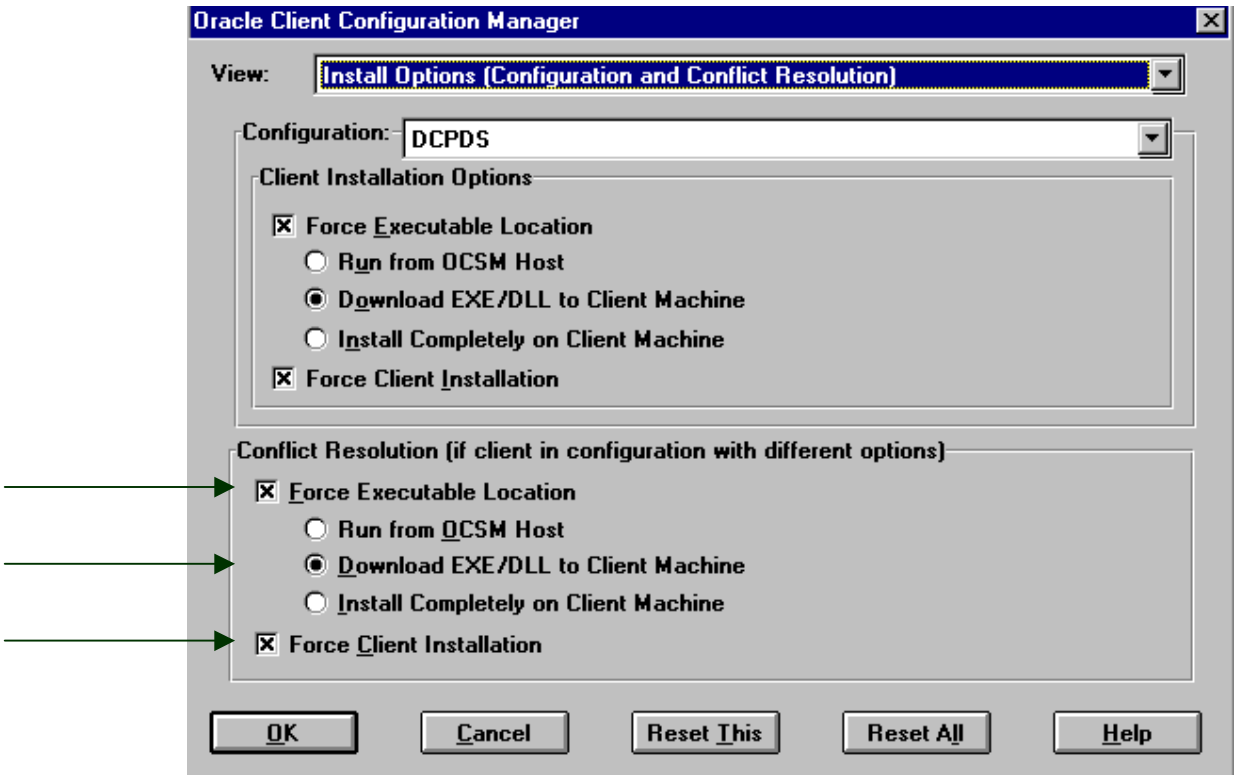
Select an option from Client Installation Options: (For Navy, check the Force Executable Location, Download EXE/DLL to Client machine, and Force Client Installation.

- Force Executable Location: Choose this option to prohibit users from selecting the location of product executables. If this option is **not** selected, users can choose whether to load executables from the client (local) machine, or to run them from the server the next time the Oracle Client Software Agent runs. If this option **is** selected, also specify the executable location and define how the software will be installed on client machines. The following table summarizes the options and lists the results when the Oracle Client Software Agent is subsequently run on a client machine.

Installation Method	Result
Run from OCSM Host	All product executables are executed from the OCSM host. This saves disk space on the client, but the software runs slower because the client must run the software over the network.
Download EXE/DLL to Client Machine	Configuration files, EXEs, and DLLs are downloaded to the client machine. This type of installation provides better performance than if installed from the OCSM host because executables are run locally while Forms, Reports, etc. are run from the OCSM host.
Install Completely on Client Machine	This option is not supported with Oracle Applications 10SC based client installations (i.e., DCPDS).

3.5. Force Client Installation

Check this box to ensure that the products you select are always installed on each client machine. If this option is not selected, users can decide whether to install the software that is made available to them.



Select an option from Conflict Resolution: (For Navy, check the Force Executable Location, Download EXE/DLL to Client machine, and Force Client Installation.)

3.6. Conflict Resolution

Use the Conflict Resolution portion of the Install Options dialog box to set up a procedure for resolving conflicts that may arise when a user is assigned to more than one configuration group, each of which may have different Configuration Settings. If a user is in several groups, all products in those groups are available. If groups are assigned different (conflicting) Configuration Settings, the conflicting parameters must be reconciled. Settings made in the Conflict Resolution window take precedence over individual settings for groups.

The settings in the Conflict Resolution box have effect only when a client belongs to two groups that have different settings (in the Client Installation Options box at the top of the screen). Even if these settings are different, the settings in the Conflict Resolution box at the bottom of the screen will be identical, and will take precedence.

For example, a user may belong to two groups: DCPDS and CSU. Group DCPDS is configured to use executables from the shared Oracle home, while CSU is configured to use executables from a local Oracle home (downloaded to the client machine). In this case, the setting chosen in the Conflict Resolution box will take precedence over the setting chosen for the group configuration. If the Conflict Resolution box is set to Download EXE/DLL to Client Machine, this setting takes precedence over the DCPDS group's setting.

If DCPDS is configured to use two Oracle products, and CSU is configured to use three other products, the user who belongs to both groups can use all five products. This is not a conflict, and is not resolved by any setting in the Conflict Resolution box.