

Boffin/Open

Rich Client-PC build process

Oracle and Boffin/Open Licensing considerations Both the Oracle and Boffin/Open software products are Copyright software products for which the user has to have obtained appropriate runtime licenses. These software licenses stipulate the number of Client-PCs and Devices that may be built and used. It is only acceptable that Oracle and/or Bishopsgate customers build and use Client-PCs to the maximum number of licenses they have purchased.

Boffin/Open operating in multi Application Server environment Where a user has installed multiple Boffin/Open Application Servers in a Wide Area Network with all of these servers connected to a Virtual Private Network (VPN); each participating application server, Rich Client-PC and Boffin/Open enabled printer will have been each allocated a unique IP Address and a unique name. It is possible to setup all/any Boffin/Open Rich Client-PC to work with any Boffin/Open Application Server and to produce Boffin/Open derived printing on any of the networked PCL5e (or later) enabled printers; although there would be some setup considerations. One setup consideration that comes to mind is that the Boffin/Open database table PRINTERS within which all of the available Boffin/Open enabled printers are indexed (and their attributes listed) would have to include an entry for all of the LAN/WAN printers that might be required to print Boffin/Open derived reports and an easy way of nominating the 'physical session printer' would be needed. This is no big deal, provided the user has an up-to-date list of the applicable PCL5e compliant printers. It would be possible to develop a **master copy** for the PRINTERS database table, containing an entry for each of the printers that Boffin/Open is to be allowed to print on in the same manner as the Boffin/Open designers have other master copies of other information that they circulate to Boffin/Open Application Servers (EXCHANGE would be an example).

Rich Client-PC, hardware Bishopstrade likes and promotes Boffin/Open installations where the client computers are setup as Rich Client-PCs. Rich Client-PCs have a complete copy of the Boffin/Open application software stored in their C:\Bmsload folder. The contents of the Client\C:\Bmsload folder can be a complete copy of the folder located on the Application Server; for the sake of clarity, the contents of the \\server\C:\Bmsload is considered the master copy; although it does not need to be a master copy. This is worth knowing if you are using a Laptop computer as a Rich Client-PC and you are not in the office when the latest Boffin/Open release is delivered and installed. When you come into the office; you can drag and drop a copy of the \\server\C:\Bmsload folder to your \\Laptop\C:\Bmsload, overwriting the older program releases that you have. **DO NOT** empty your \\Client\C:\Bmsload before you drag and drop the new software into it.

Where does Boffin/Open run in a Rich Client-PC Boffin/Open runs in the Client-PCs processor accessing the Application Server each time a Boffin/Open program needs data from the database, wish to update the database or wishes to print to one of the networked printers. This way of working removes workload from the Application Server making the processing times better for all users. Another aspect you should be aware of is the importance of the Date and Time in the Rich Client operating System. When a Boffin/Open program, running in the Client-PC needs the date and/or time (which it often does), the date and time is obtained from the Client-PC and not from the Application Server. Users are asked to make sure their team knows to keep the Client-PC date and time, as accurate as possible. Most users run their Client-PCs using Microsoft Windows operating systems; Boffin/Open runtime software should run, without change, on all of these operating systems (95/98/NT/Mil/XP). Boffin/Open can also run in multiple sessions on a single **physical** Client-PC; which, for software licensing counts as one named-user.

Required computer operating skills Users have expressed a wish to be able to build their own Boffin/Open Rich Client-PCs; without the involvement of the Boffin/Open designers. This is quite a reasonable proposition, but the users will need to be sure that they are competent in basic computer skills, especially within the Microsoft Operating System area if they are to be successful. If you do not have the skills required, now would be a good time to learn. It is suggested that the user read through the whole of this document to obtain a 'feel' for the tasks that comprise the overall installation process; before trying to build the Boffin/Open Rich Client-PC.

Building a Boffin/Open Rich Client-PC Laptop and Desktop computers can both be built as Boffin/Open Rich Client PCs. A Rich Client-PC is a PC operating in a Local or Wide Area Network (LAN/WAN); having its own complete copy of the application software. The method described below is based on the premise that the machine being built is attached to a LAN/WAN where there is at least one 'known good' Boffin/Open Rich Client-PC of Boffin/Open Server. If you are building all of your own Boffin/Open Rich Client-PCs, start by using the Bishopstrade built Boffin/Open Server as your 'known good Boffin/Open machine'. You will have been supplied with three CD-ROMs with these instructions, one labelled 'Oracle Forms & Reports 6i' and one labelled 'Oracle Forms & Reports 6i Patch 16' and lastly, one labelled 'Adobe Acrobat Reader 5.1'. All CD-ROMs are intentionally copies; the originals are stored with Bishopstrade in Johannesburg for safekeeping and to be available for making further copies. All licensed software supplied is legal. An expert in less than 20 minutes can complete the build-process; but you are not in a race, so get the process right.

Rich Client-PC to multiple Boffin/Open Servers Once a Boffin/Open Client-PC has been built, it is possible to link it to more than one Boffin/Open Application Server; provided the human operator's Logon and Password have been setup on each participating Boffin/Open Application Server(s) and the human operator knows the name of the Oracle database(s) to which he/she wishes to be logically attached and work.

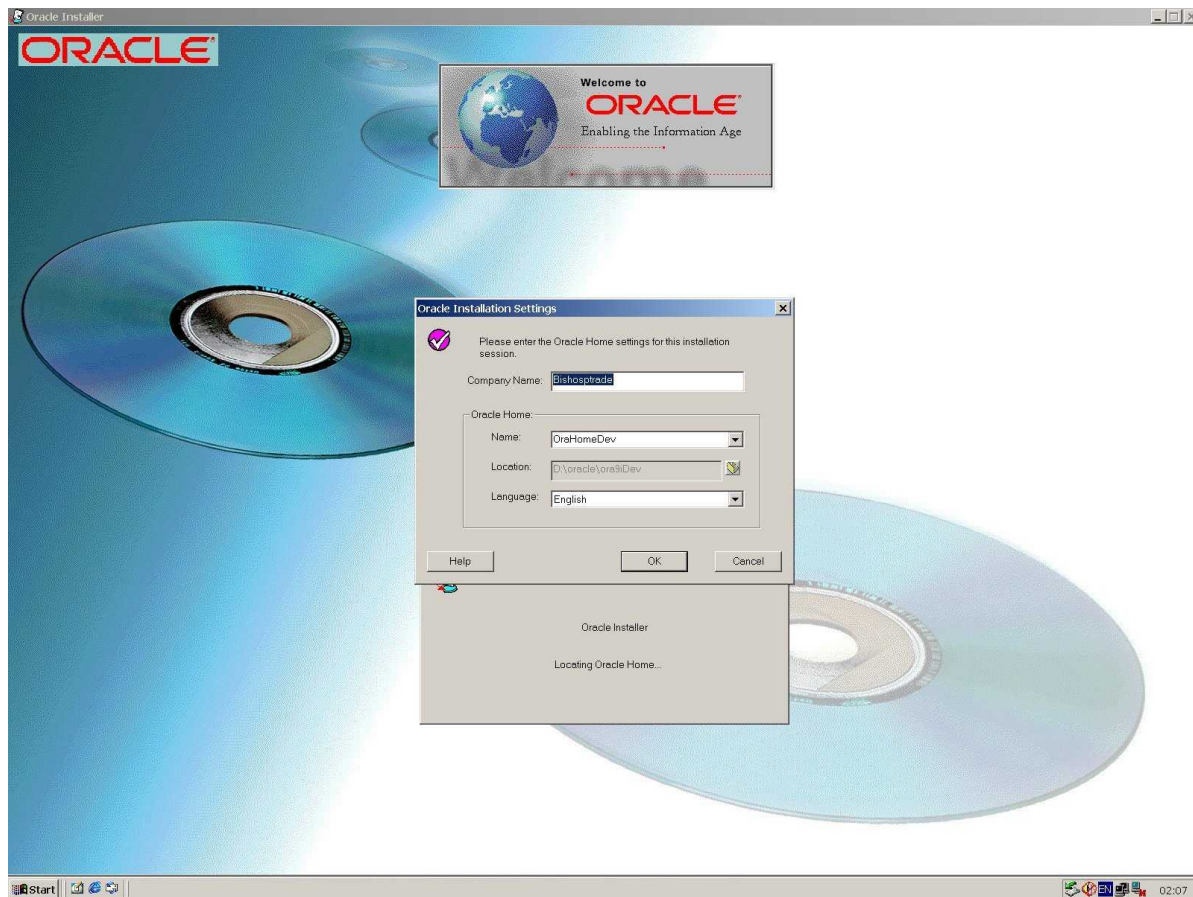
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Installing Oracle runtime Forms and Reports 6i for Client/Server architecture Insert the disk titled 'Oracle Forms & Reports 6i' into the CD-ROM of the Laptop or desktop computer that is to become a Boffin/Open Rich Client-PC. If the machine does not have it's own CD-ROM; then the CD-ROM of another computer linked to the same LAN/WAN can be 'mapped' and used for this installation process. If the Oracle installation software does not auto-start, you will need to start the process manually. Using the Microsoft Explorer, display the folders and files that are stored on the CD-ROM. Double left-click on the CD-ROM program named setup.exe, which will start the installation process.



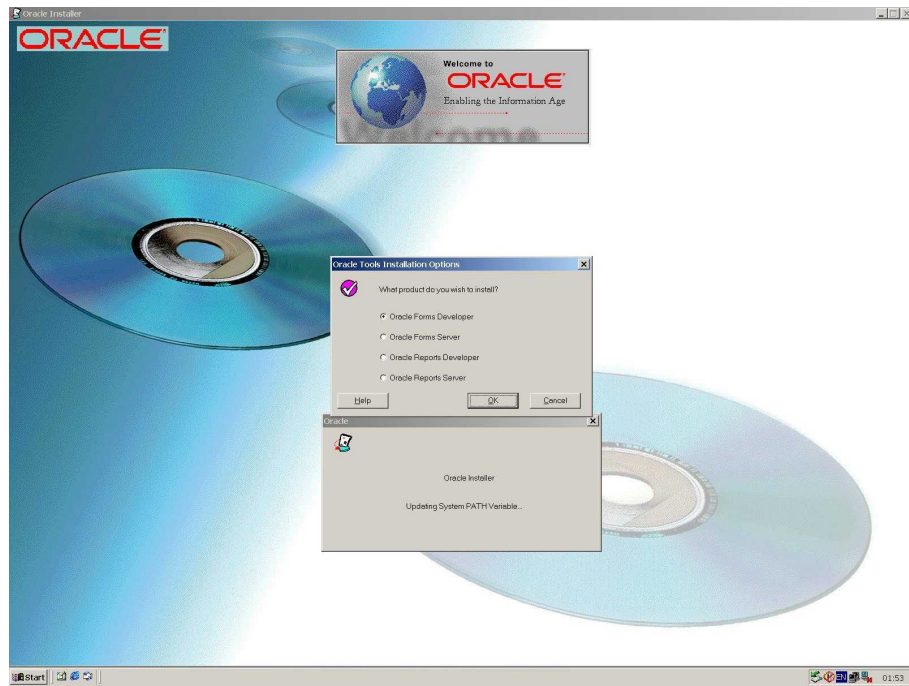
Enter your company name in the field titled 'Company Name'

Enter 'OraHomeDev' as the Name of your Oracle Home.

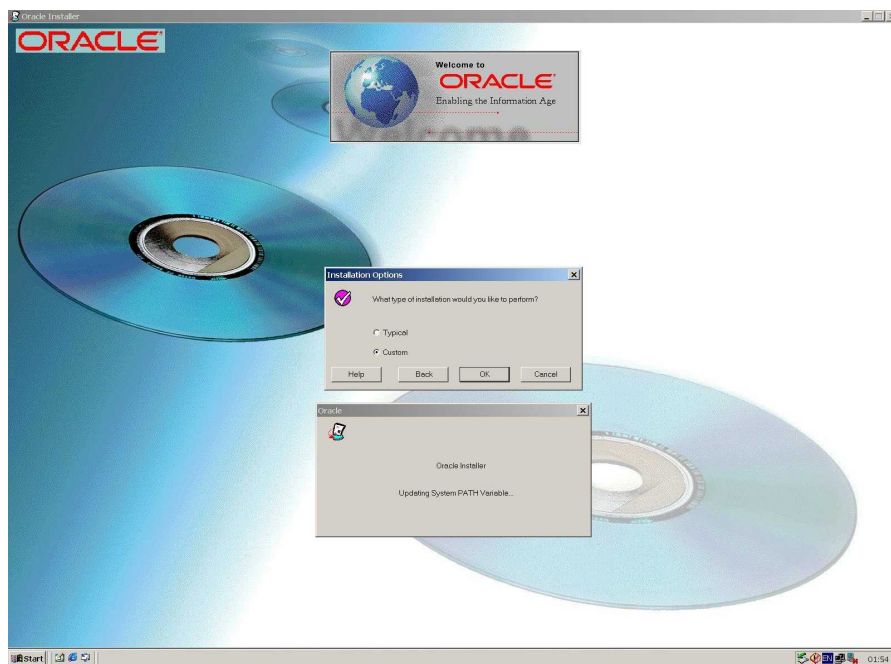
For the location of the Oracle Home, select drive and path name. It is suggested you use the pathname 'oracle\Ora6iDev'

Always select Language as 'English'. Click 'OK' to continue.

Installing Oracle Forms & Reports runtime



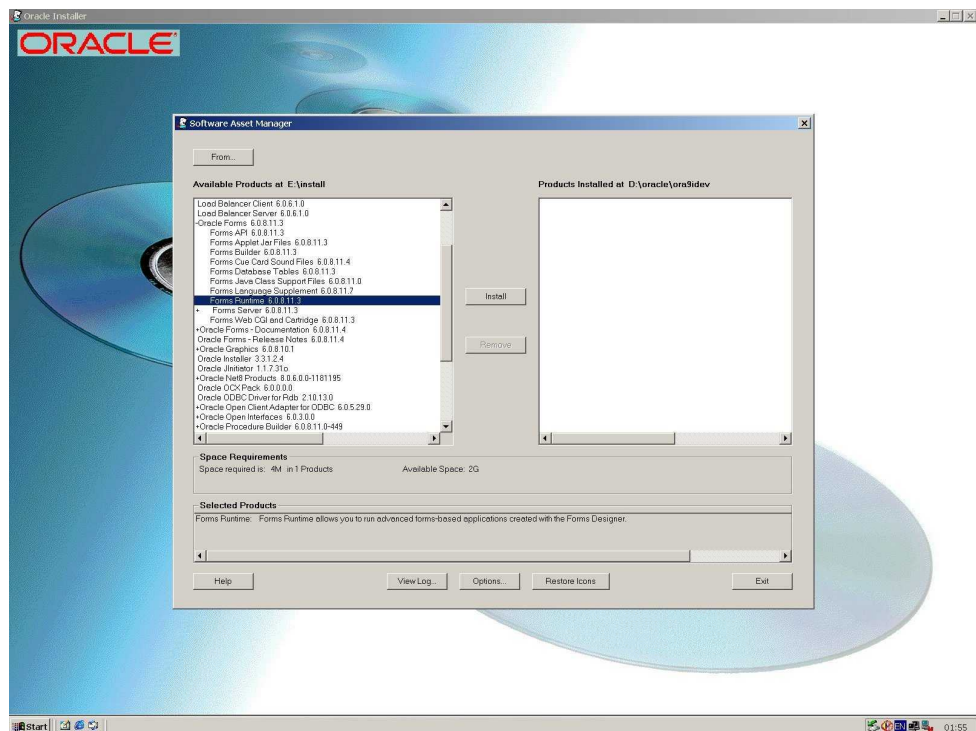
Unfortunately, you can only install one option at a time. Select the option **'Oracle Forms Developer'**. You will have to re-run the installation a second time to install **Oracle Reports Developer**. Click **'OK'** to continue.



Selecting the required Oracle components

There are many Oracle products and applications on this disk, most of which you do not need; therefore the 'Custom' method of software installation is the one to use; which will allow you to select the Oracle products you need.

Select 'Custom' and click 'OK' to continue.



You will be provided with a list of all products and applications available, as shown above; of which you only have to install two. Unfortunately, you can only install one product at a time. You will install Oracle Forms runtime first and then Oracle Reports runtime.

For a Rich Client-PC machine the **Form Runtime 6.0.8.11.3** product is required, which is a sub-program of 'Oracle Forms'. Left Click on the Oracle Forms item in the lefthand box to cause the sub-component list to be displayed, as shown above.

When you re-run the Oracle installation a second time for the Report Developer, select 'Reports Runtime', which is a sub-application of 'Oracle Reports'. Left Click on the Oracle Reports item in the lefthand box to cause the sub-component list to be displayed, as shown above.

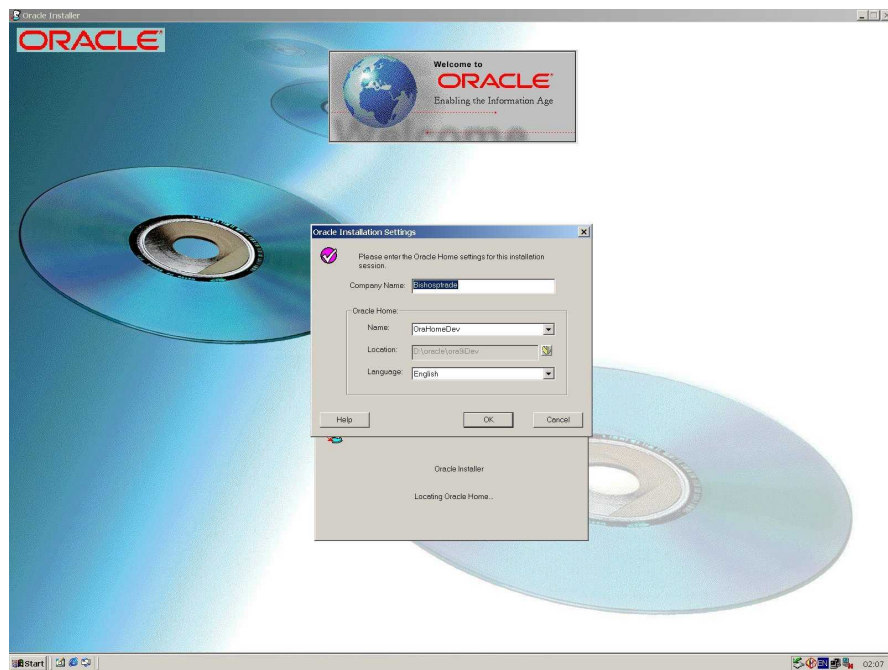
When highlighted, click **install** to begin installation.

Remember you need to re-run the installation to install Oracle Report Runtime.

Installing the latest Oracle Forms & Reports 6i - Patch 15

Insert the CD-ROM labeled 'Forms & Reports 6i Patch 15' into the CD-ROM you are using for this installation.

If the software on the CD-ROM does not **auto-start**, then use the Microsoft Browser to display the software folders and programs on the CD-ROM and then double click on **setup.exe** program.

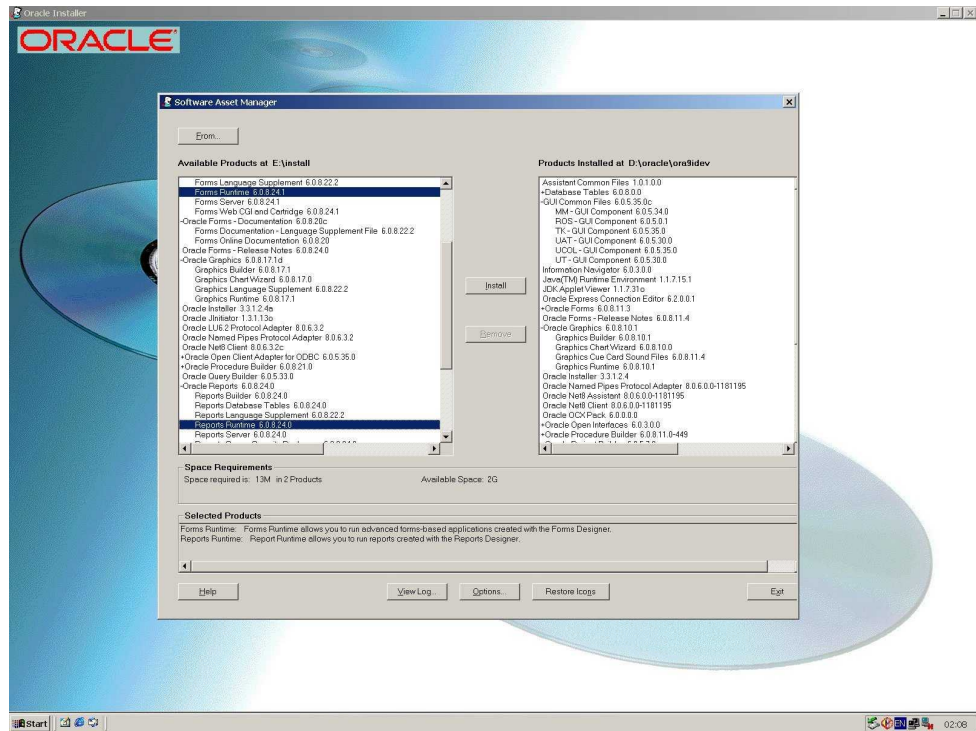


This screen should automatically pick up your default settings from the previous installation of Oracle Forms & Reports 6i. **Accept all defaults.** Press **'OK'** to continue.

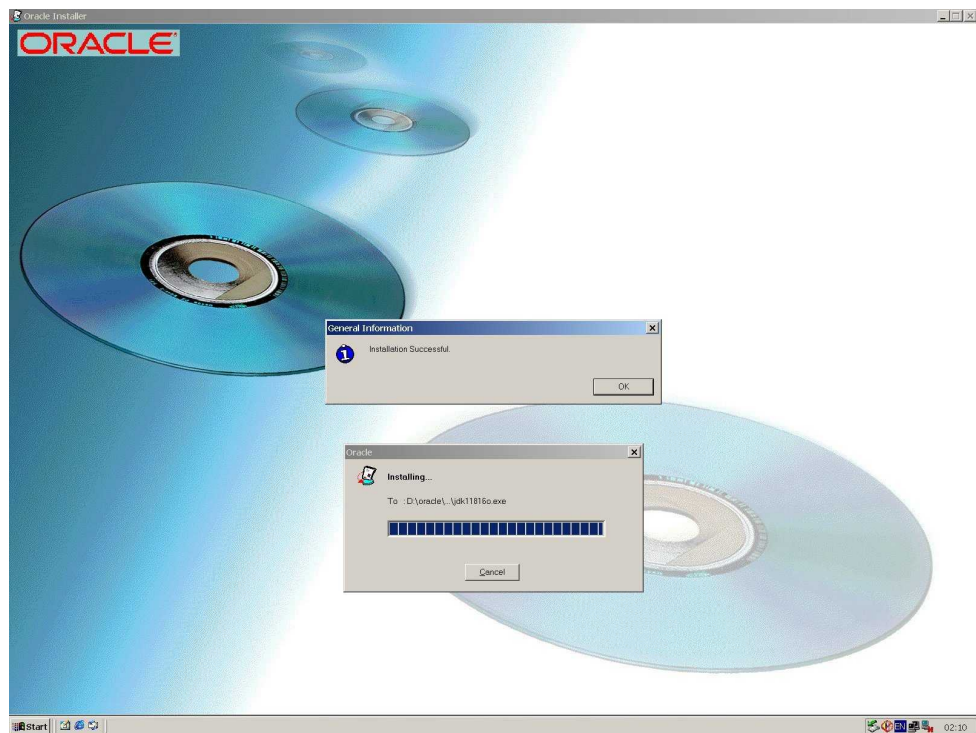


As we only want Forms and Reports runtime select the **'Custom'** option
Press **'OK'** to continue.

Selecting the correct Oracle components



Select 'Forms Runtime 6.0.8.24.1' and 'Reports Runtime 6.0.8.24.0', as shown above
Press 'Install' to begin the installation.

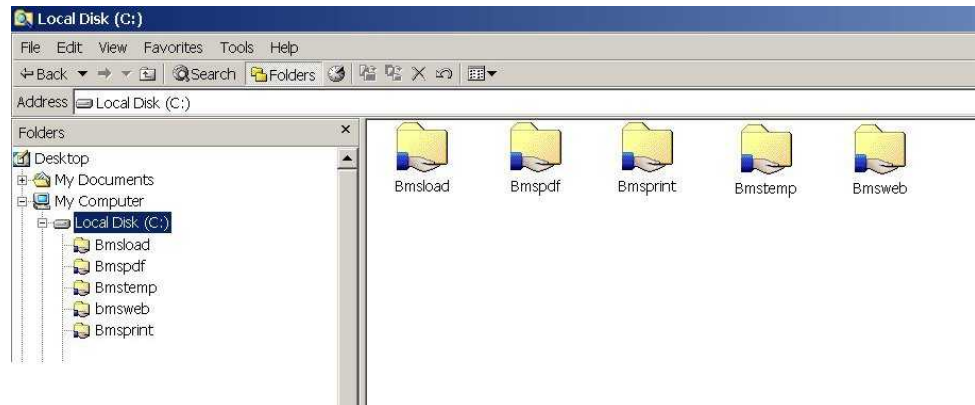


Once complete you will be informed that the installation is complete.
Press 'OK' to exit installation wizard.

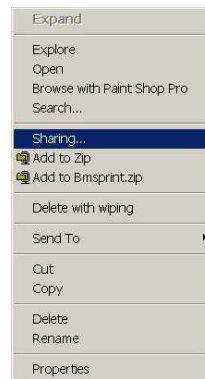
Creating the required Boffin/Open Rich Client-PC Folders

Create the following empty directories/folders on the Desktop/Laptop C:\ directory. To do this, use the Microsoft Explorer by right clicking once on My Computer and then select Explore to obtain the screen image below. Align the screen cursor on the C: drive in the lefthand window as shown below and then select File then New and then Folder. This will cause a new empty folder to be created for which you will be invited to allocate a Folder Name. Be careful to name the new folder as we have shown below. Repeat this action until all of the new Boffin/Open folders have been created.

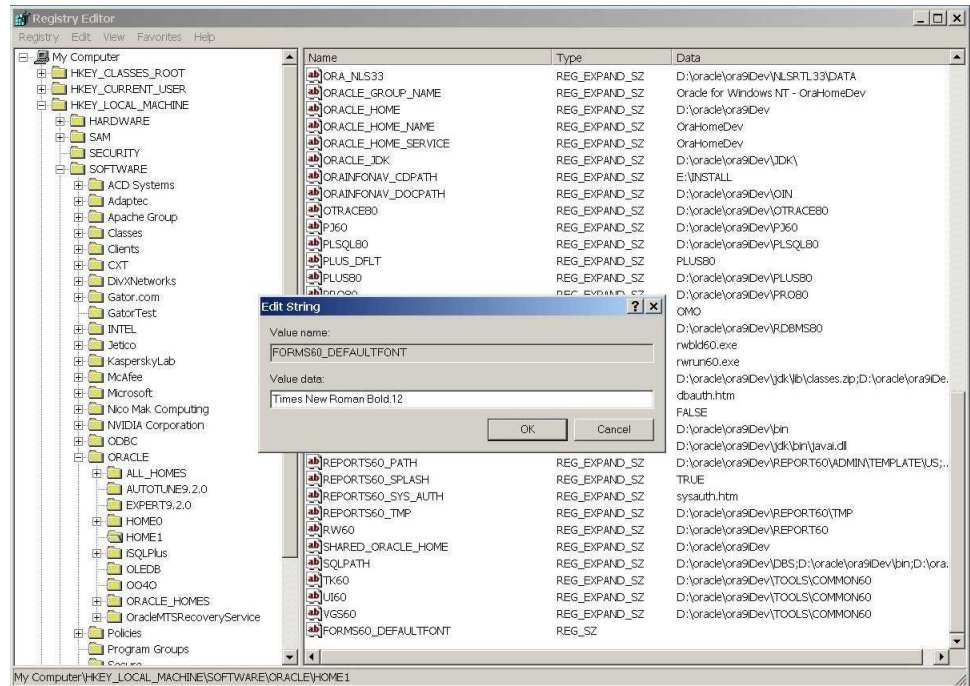
Bmsload, Bmsprint, Bmstemp, Bmspdf, Bmsweb



For each folder created, **right click** to bring up a menu. Select **Sharing** option; as shown below and make the folder fully shared and use the folder name as the Share Name.



Setting the Boffin/Open default screen default font



Now the new entry 'FORMS60_DEFAULTFONT' has been created, double click on this entry to edit.

The 'Edit String' dialogue box will appear.

In the value data field type in the following: 'Times New Roman Bold.12' and press 'OK' to accept new value.

The default Client Screen font is now setup.

Either click the 'X' in the top right hand corner or click Registry -> Exit to exit

Installing free copy of Adobe Acrobat Reader 5.1

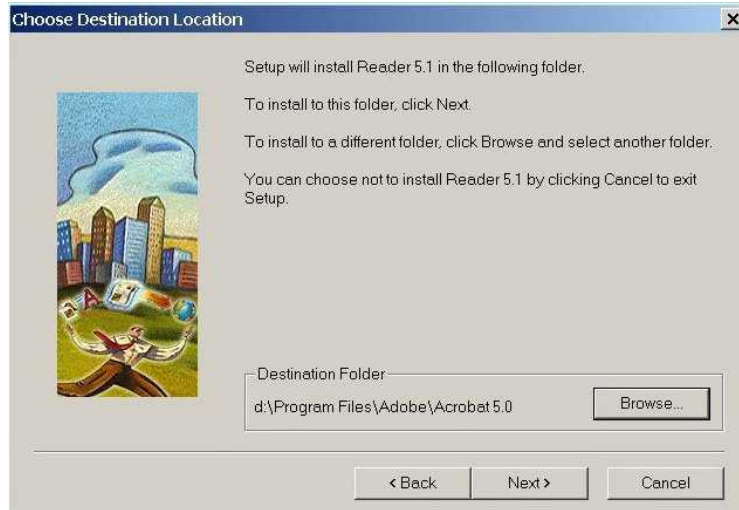
On a disk supplied by Bishopstrade you will find a directory call Adobe Reader 5.1.

Inside this folder you will find a file called 'AcroReader51_ENU.exe'. Double click on this file to start the installation of Acrobat Reader 5.1



Please follow the guidelines given by Adobe, as shown above. Press 'Next' to continue.

Installing free copy of Adobe Acrobat Reader



Specify a directory you wish to install to; Bishopstrade's policy is to accept the Adobe recommended directory. If you are unhappy with the default then press 'Browse' to locate a path.

Press 'Next' to start the installation.



Once complete you will be asked to acknowledge that the Adobe Acrobat Reader installation is finished.

Populating the Boffin/Open runtime software library All of the Boffin/Open application software is contained within the folder named Bmsload. Using Microsoft drag-and-drop, select all of the files in the Bmsload folder on the known good machine you are working with and copy all of these files to the C:\Bmsload of the new Rich Client-PC.

Creating the Desktop Boffin/Open icon Create a short cut to the Boffin/Open start-up program C:\Bmsload\Mainmenu, which traditionally is a 'sinking ship' image.

Time to test the new Boffin/Open Rich Client-PC Remove any CD-ROM that might still be loaded from the build process. Select the Boffin/Open icon from the Desktop screen by double clicking on it. This will cause Boffin/Open runtime to start on the new machine.

End of setup procedure ...