

Installation Guide

Project Administration and Financial Management

e.2

Notes

Section 1 Server Installation

Installation of SharpOWL Server in Easy Steps

To install the Project Administration and Financial Management module, please complete the following steps:

- Step 1• Check the site survey form for technical details.
- Step 2• Ensure that the hardware and software prerequisites have been met.
- Step 3• Ensure that you have the relevant Installation CD-Rom and licence details.
- Step 4• Install the application on to the application server by completing the installation instructions outlined in **Installing the Project Administration and Financial Management module**.

Please Note

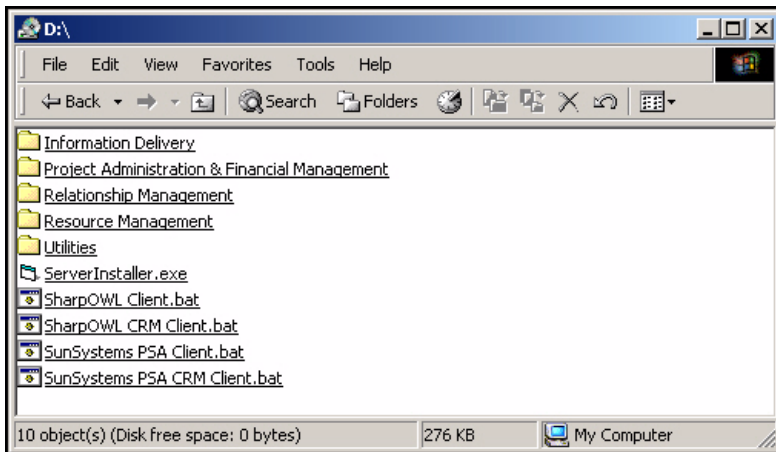
The guide has been designed for installing each component individually. The modules may be installed at the same time and, where necessary, notes have been added to provide any extra instructions required.



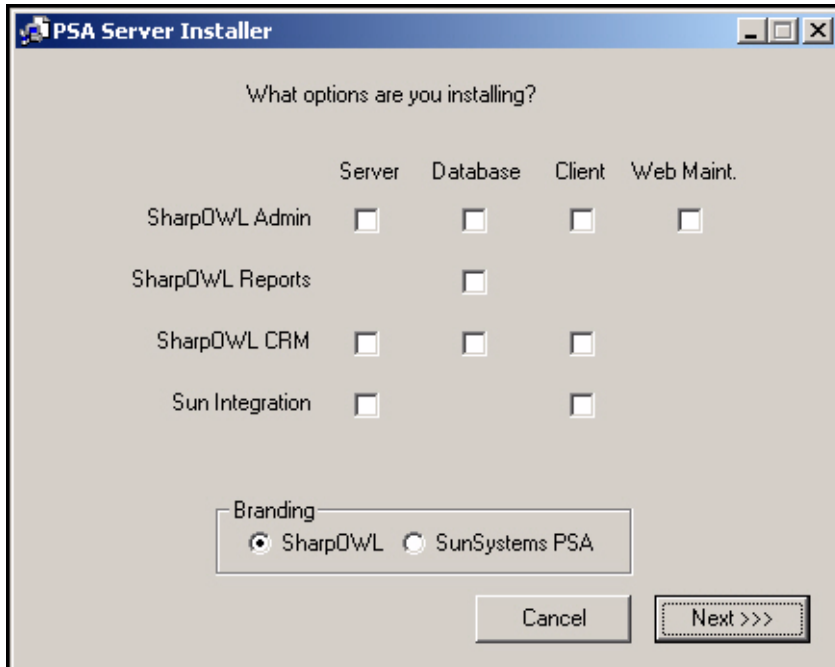
Installing the Project Administration and Financial Management module

Notes

1. Check the hardware and software pre-requisites have been met
2. Select the root folder of your Installation CD
3. Select ServerInstaller.exe



4. The PSA Server Installer screen will be displayed next.



5. Check the SharpOWL Admin - Server and Database boxes



Notes

6. Click on to continue or to cancel the installation process

The screenshot shows a dialog box titled "Please Supply Server Details". It contains two main sections: "Administration" and "Security Database".

Administration Section:

Server	Database	Username	Password
NASHVILLE	TRAIN		

Description: Training

Security Database Section:

Server	Database	Username	Password
NASHVILLE	SOE11_SEC		

Buttons at the bottom: Cancel, <<< Back, Next >>>

7. Enter the Security Database Server name, Database name, User name and Password

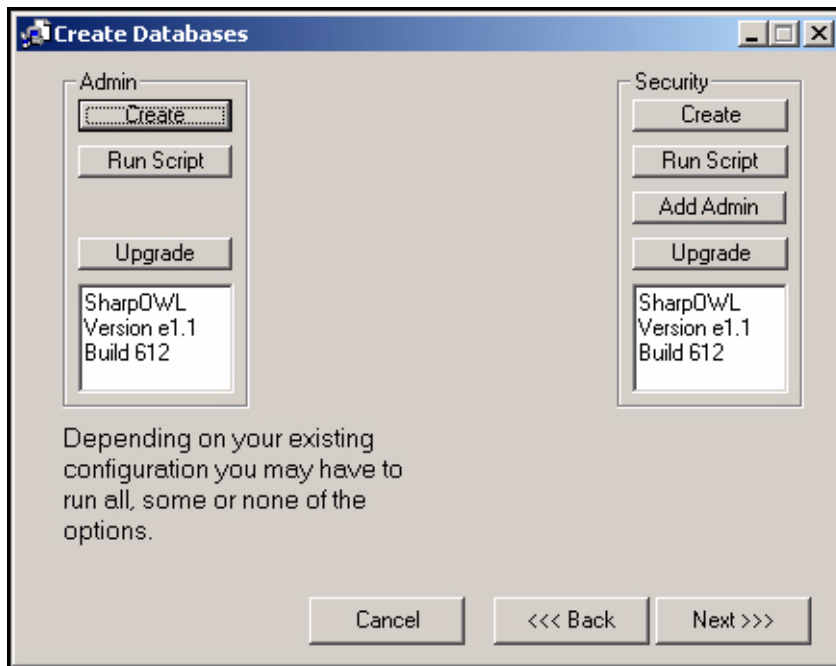
Please Note

If you are creating a new Database, enter the name of the new database and the SQL Username and Password and a Description of the database.

There can only be one security database. **The security database must be separate from the 'Live' SharpOWL databases.**


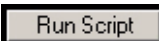
8. Click on to continue the installation process

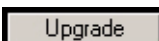




Please Note


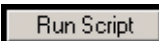
The 'Admin' box will read 'Not a SharpOWL database' if it is a new database or pre-build 512 database.

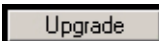
9. Click  on the Admin menu to create a new Database
10. Click  on the Admin menu if you know which scripts you need to run or

Click  to allow the Installer to automatically upgrade your Database

Please Note

The 'Upgrade' facility will only work on databases of build 512 upwards. For earlier database, use the 'Run Script' facility.

11. Click  on the security menu to create a security Database
12. Click  and select the 'allsecXXbXXX.sql' where XX is the current version and build of SharpOWL (for example 'allsec73b609.sql')

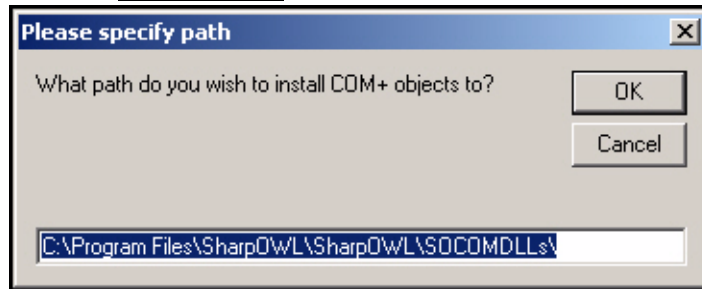
Click  to allow the Installer to automatically upgrade your Security Database



Notes

13. Click **Add Admin** to link the Security Database to the Admin Database

14. Click on **Next >>>** to continue the installation process



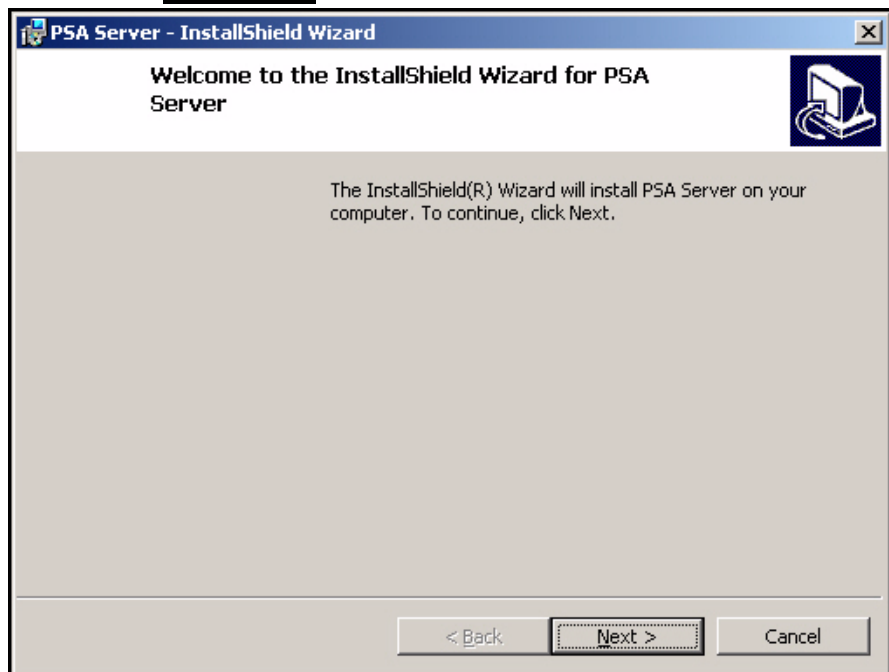
15. Enter the path to the COM+ directory for SharpOWL

Please Note

The 'COM+' directory must be in the 'root' directory of the Server 'SharpOWL' program files

See [What are COM+ Components in SharpOWLSunSystems PSA](#) for a detailed explanation of COM+ objects


16. Click **OK** to continue

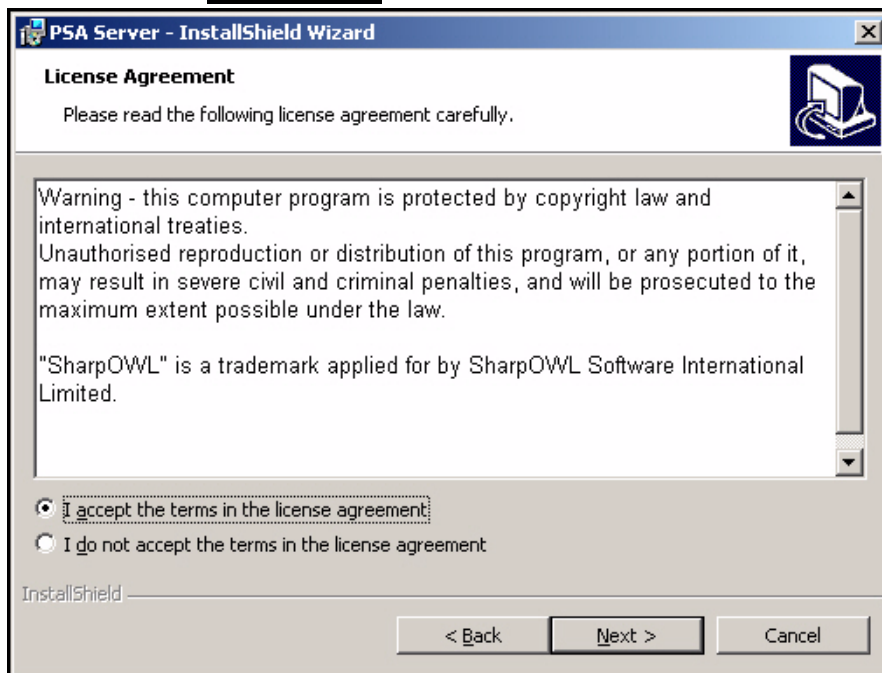



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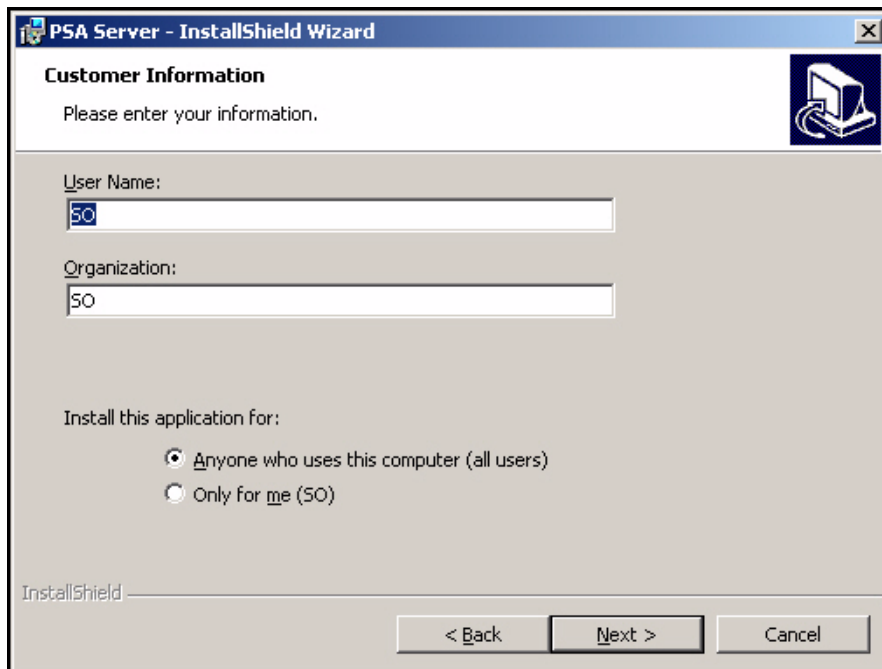
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17. Click on  to continue the installation process



18. Check the 'I accept' radio button and click  to continue

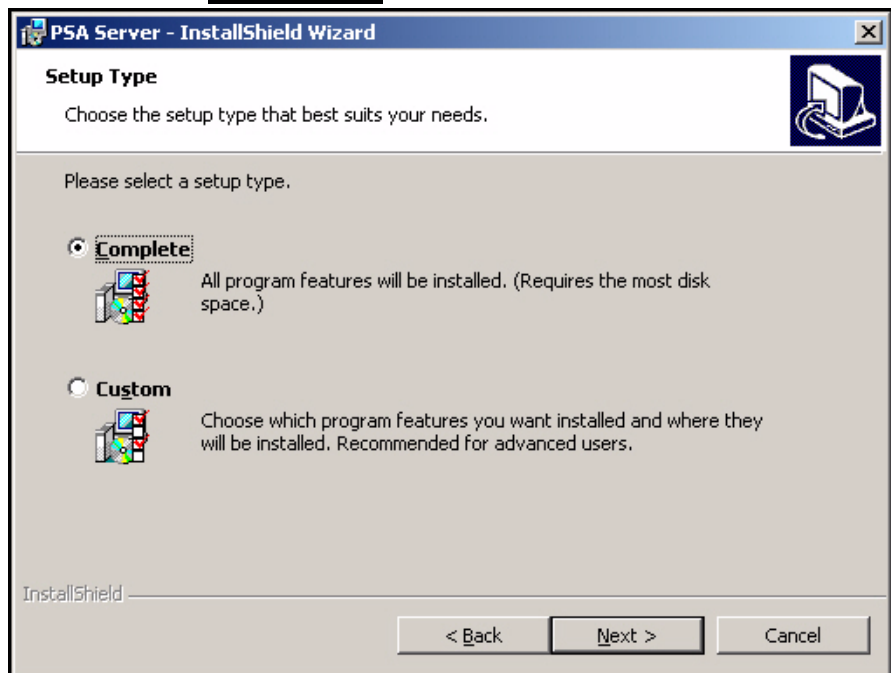


19. Enter the relevant organisational information, ensuring that the organisational name is the same as the one on the SharpOWL licence



Notes

20. Click on  to continue the installation process



21. Select the relevant setup type:

Complete Option: Loads the default components into the default drive and folder (C:\Program Files\SharpOWL\SharpOWL).

Custom Option: Enables you to specify which components to add and/or remove and change the default drive and/or folder.

MDAC

Installing SharpOWL onto a server with a MS WIN NT operating system will require the installation of MDAC v2.6. To install MDAC v2.6 choose the custom option and select Install MDAC v2.6

Please Note

This will copy MDAC.TYP to C:\Program Files\SharpOWL\SharpOWL\MDAC\. MDAC will then have to be run from there.

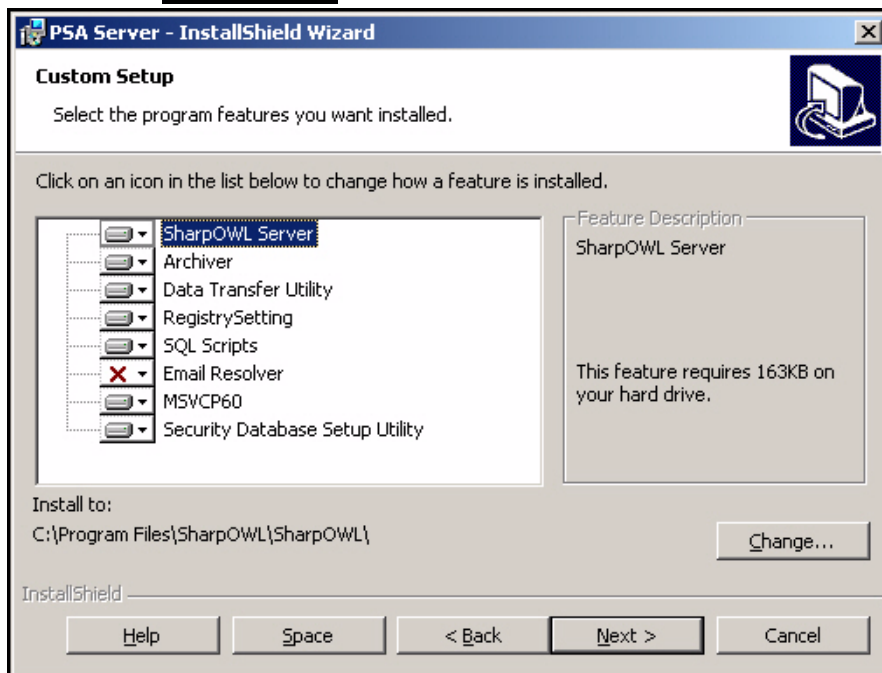


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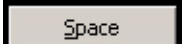
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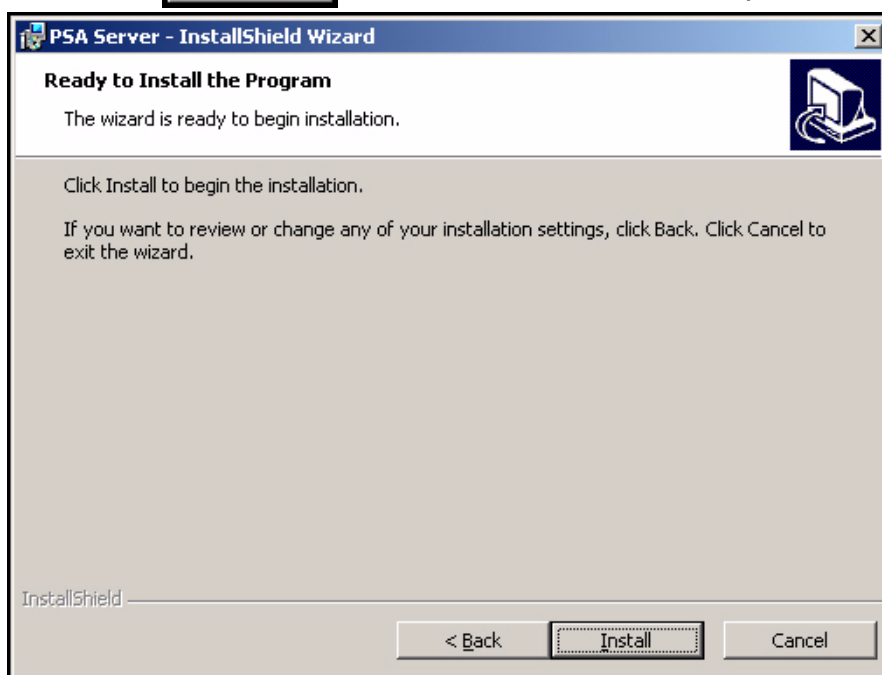
22. Click 



23. Check or uncheck the installation options as required

24. To check the available drive space, click .

25. Click  to continue the installation process

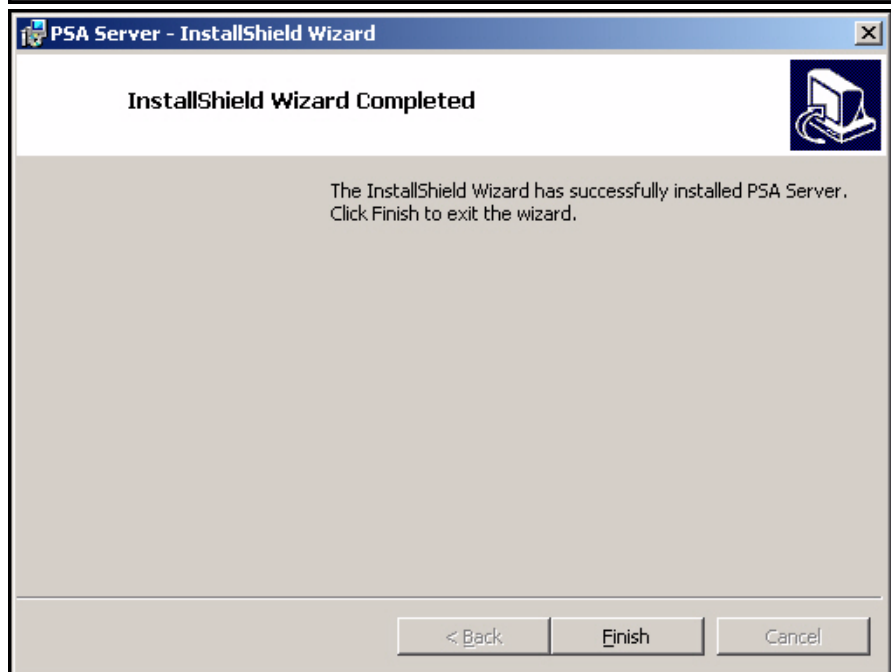
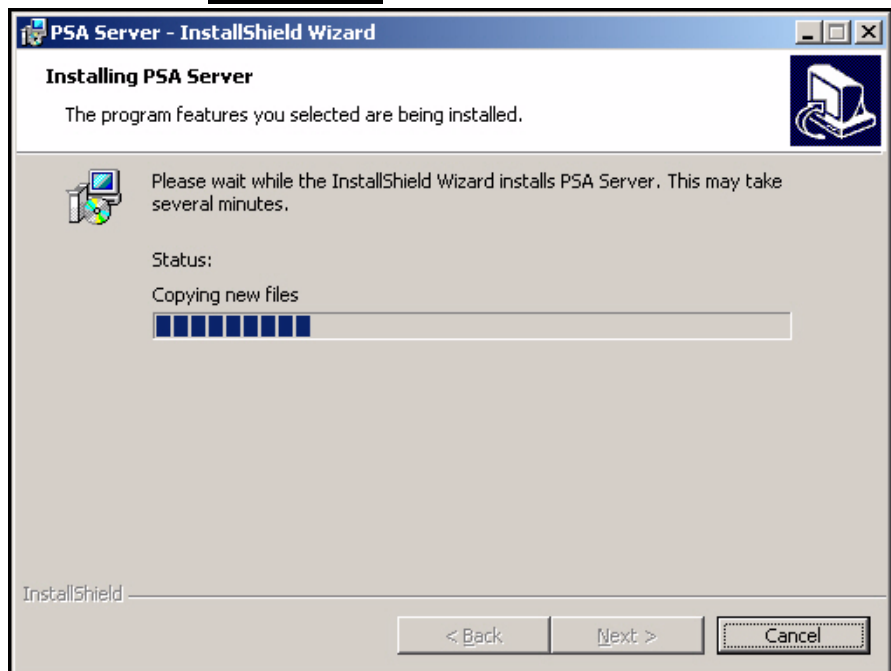


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26. Click on  to continue the installation process

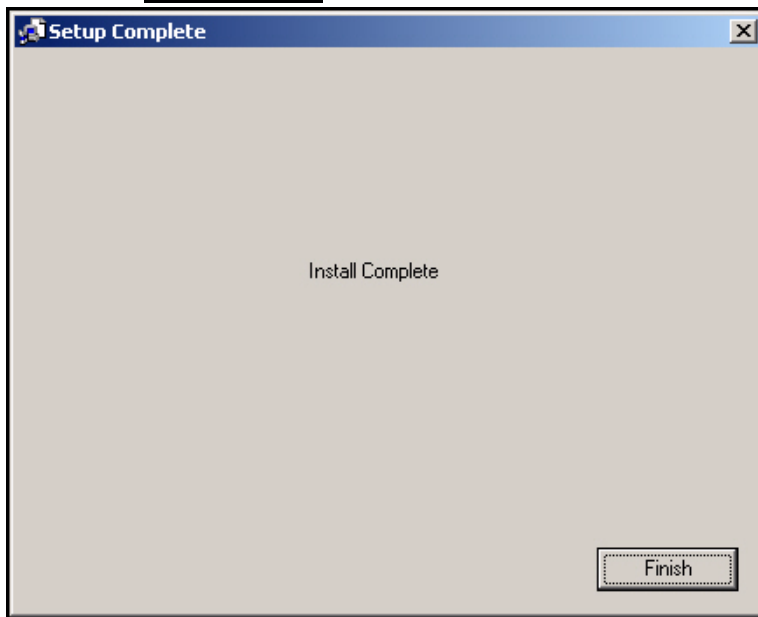


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27. Click on to continue the installation



28. Click on to complete the installation.



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What are COM+ Components in SharpOWL

When developing programs in Windows it has always been possible to put any common code (that which is called by several different programs) into a dynamic link library (DLL). This should save both disk space and memory on the clients machine, and also allow any improvements to the functionality within those DLLs to instantly affect all programs that use them.

With the advent of COM+ this idea has been taken one step further. Common code is still put into the DLL, but the DLL is not installed on a client machine; instead it is put on a central machine that all of the clients have access to. The access to these libraries is handled by what is known as 'COM services'.

By doing this, any changes in functionality in these COM+ DLL's will affect all of the clients that access this machine.

Since these COM+ DLL's (referred to as COM+ objects) can be installed on a different machine to the one that the client will be running the main application on, they are not able to display any windows or messages etc (because the user would have to move to this machine to respond to them). Because of this, the code in COM+ objects handle the back end processing (e.g. The access to SQL server, or calculations of bills etc).

As mentioned these COM+ objects can be installed on a Server (must be Windows 2000) rather than on each Client, providing these clients are able to execute remotely on this server (needs a trusted connection). Where the system is deployed via Citrix or Terminal Server we would recommend that the COM + objects are installed on the Application Server.



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The COM+ Objects that exist in SharpOWL are as follows:-

SharpOWLApp	The main object that contains just about every interface used within the system. For example, if the details of a project are to be displayed then this object will return those details.
SharpOwlIDB	All database access is handled by this object. It is called by SharpOwlAPP (not by any other programs) and for this reason it is installed as a library. If SharpOwlApp needs to retrieve data then it gets SharpOwlIDB to get the data out of the SQL server.
SharpOwlReg	This object handles any registry access. It is mainly used by SharpOwlApp in order to determine the location of the control server.
SharpOwlCurrenyCache SharpOwlCurrenyFormat SharpOwlCurrencyReader SharpOwlCurrencyCalculate	These four objects deal with currency conversion. They cache the data to optimise performance.
MTSLogger	The system auditing object.



Notes

Section 2 Client Installation

Installation Process

The installation process consists of:

1. **Installing the Project Administration and Financial Management module**
2. **Creating an ODBC Connection**
3. **Specifying Local ini Options**
4. **Specifying Database Options**

Please Note

The Client installation can be started from the ServerInstaller.exe or from SOe2Client.exe. This guide has been written using the ServerInstaller.exe. Further instructions for using the SOe2Client.exe are included at the end of this section

The guide has been designed for installing each component individually. The modules may be installed at the same time and, where necessary, notes have been added to provide any extra instructions required.

Network Installation

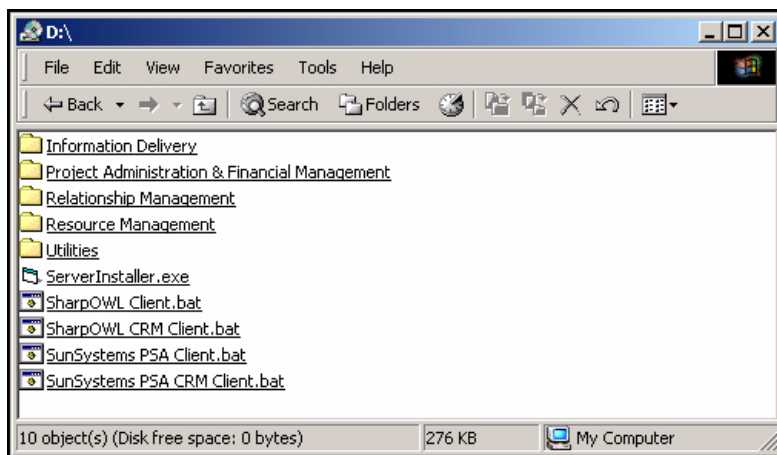
For installing SharpOWL Client across a network (e.g. Citrix, Terminal Server etc) the SharpOWL Client must be installed through the 'Add/Remove Programs' utility in the Control Panel.



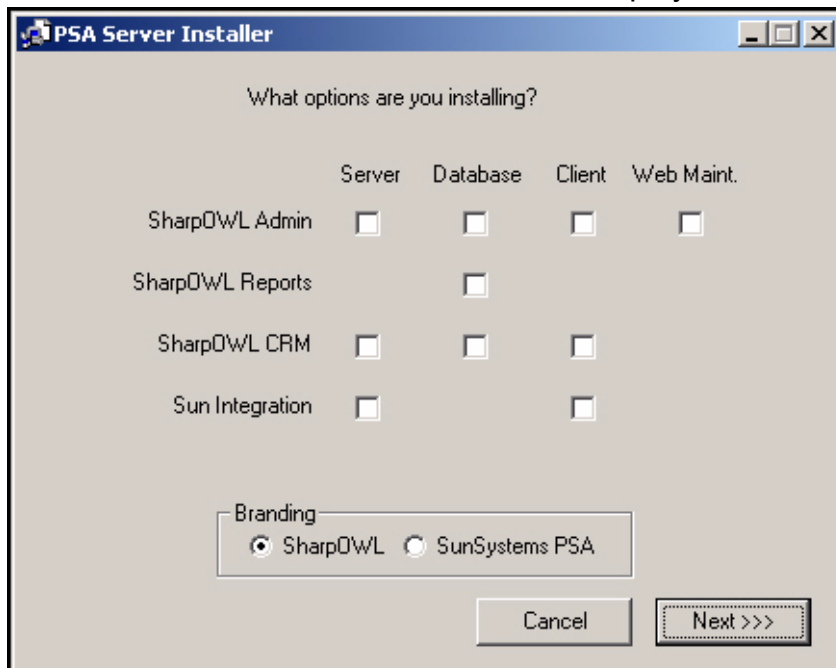
Installing the Project Administration and Financial Management module

Notes

1. Check the hardware and software pre-requisites have been met.
2. Select the root folder of your Installation CD
3. Select ServerInstaller.exe



4. The PSA Server Installer screen will be displayed next.



5. Check the SharpOWL Admin - Client box

