

GUI

Installation Guide

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GUI
INSTALLATION GUIDE

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PRIOR TO GOING TO THE CUSTOMER SITE

Obtain Required Information from Customer

1. **AS/400 Serial Number:** If your serial number and system name are the same, this value is displayed in the upper right corner of the initial sign on screen to the AS/400. If they are not the same, go to a command line and type the following:

   `WRKSYSVAL SYSVAL(QSRLNBR)  <Enter>`

   Type **`5  <Enter>`** on the line next to QSRLNBR. The system name will display.

2. **AS/400 Release Level:** From an AS/400 command line, type **DSPPTF** and press **<Enter>**. The "Release of base option" contains the release level (i.e. V4R2MO).

3. **Application Utility Release Level (Must be 2.3 or higher for *Logos*):** From an AS/400 command line, type **DSPDTAARA NWSAULIB/AULEVEL** and press **<Enter>** (for Logos).

4. **Optional: IP Address for the AS/400:** From an AS/400 command line, type **GO TCPADM** and press **<Enter>**.

   - Select **Option 1** to Configure TCP/IP.
   - Select **Option 1** to Work with TCP/IP Interface.
   - The IP address will have a line description of ETHLINE (i.e. 192.168.11.29).

5. **Optional: Mapped Network Drive**

   - Create a folder on the network called NWS_GUI.
   - Determine a common drive that can be used by all PC's running GUI and map that drive to the folder just created (see page 3).

6. **Optional: QSECOFR password**

NOTE: You will need all of the optional pieces of information when you are on site. It may be easier to obtain them ahead of time.

Obtain J Walk License Code

All Seagull J-Walk licenses for GUI are being distributed through the Marketing Department. The following process has been put in place to obtain the license codes:

1. Contract must be received.
2. Down payment for licenses must be received.
3. Product is ordered by Marketing.
4. License codes are received.
5. License codes are sent to Project Manager for implementation.

NOTE: At least 48 hours are required to process an order with Seagull.

A copy of the signed contract and the AS/400 serial number must be provided to Laurie Barthol or Amy Saks for the order to be placed.

Obtain CD and Documentation

You will need the following:

1. A CD with the J WALK software in a folder called JWALK31, the NWS screens in a folder called LOGOS, an AppUdate.jwc file and a Jw9c.jwk file.
2. The J Walk authorization code obtained from Marketing.
3. J Walk Installation instructions.

INSTALLATION PROCESS AT CUSTOMER SITE

Create NWS_GUI Folder

If the customer has not already done so, go to Windows Explorer and create a shared folder called NWS_GUI. This folder should be located somewhere on the network.

Step-by-Step: Map the Network Drive to be Used for GUI

If the customer has not already done so:

1. Go to Windows Explorer.
2. Click on Tools, Map Network Drive.
3. Select the drive to be used. It must be common to all PC's running GUI.
4. Enter the path to the NWS_GUI folder that has been created (i.e. J:\NWSCORP01\NWS_GUI).
5. Make sure that the "Reconnect at Logon" checkbox is checked.
6. Click OK.

Step-by-Step:Copy CD to the Network

1. Put in the CD.
2. Go to Windows Explorer.
3. Click on the CD-ROM drive.
4. Highlight all four files/folders.
5. Press CTRL-C to copy.
6. Click on the mapped drive (i.e. J:\NWSCORP01\NWS_GUI).
7. Press CTRL-V to paste.
8. Highlight AppUdate.jwc and Jw9c.jwk.
9. Right click and go to "Properties".
10. On the "General" tab, uncheck "Read Only", click APPLY, then CLOSE.
11. Double click on LOGOS and highlight everything inside.
12. Right click and go to "Properties".
13. On the "General" tab, uncheck "Read Only", click APPLY, then CLOSE.

Step-by-Step: Modify AppUpdate.jwc

1. Go to Windows Notepad.
2. Click FILE, OPEN.
3. Go to the LOGOS folder on the mapped drive.
4. Double Click on "AppUpdate.jwc". The file should look like:

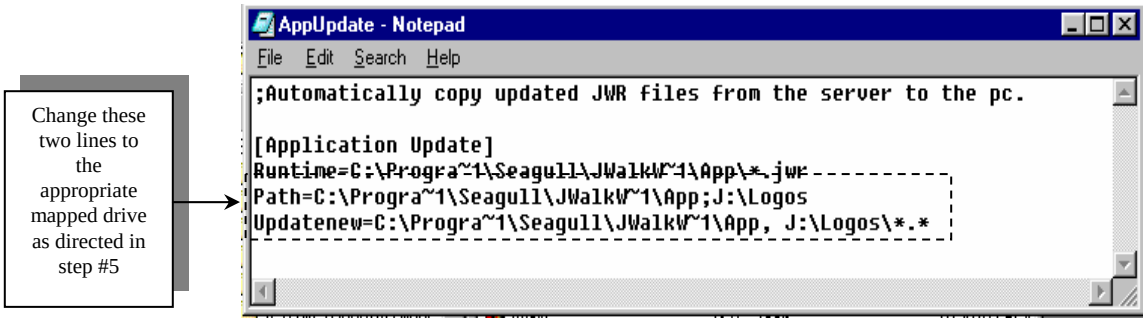


Figure 1: The "AppUpdate.jwc" Notepad window..

5. Change the "J" in "J:\LOGOS" to the customer's mapped drive letter on both the "Path=" and "Updatenew=" lines. The remaining paths should be correct unless the customer opted to install J Walk somewhere other than the default path of "C:\Progra~1\Seagull\JWalkW~1\Appl".
6. Close Notepad and click YES to save.

Step-by-Step: Obtaining the IP Address

If you do not already know the AS/400's IP address:

1. Sign on to the AS/400 as QSECOFR.
2. At the command line, type **GO TCPADM** and press **<ENTER>**.
3. The **TCP/IP Administration** window will appear. Select **Option 1**, Configure TCP/IP.

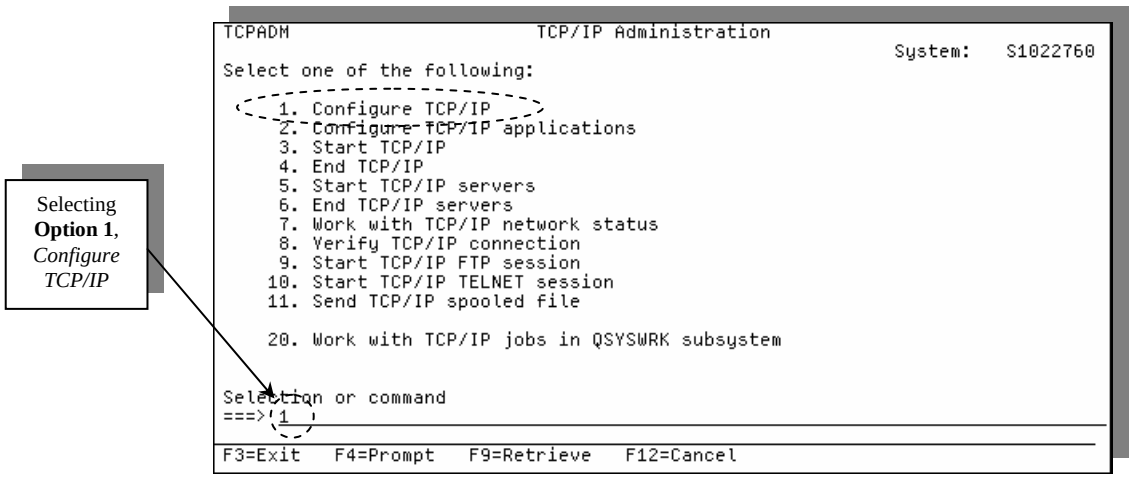


Figure 2: The TCP/IP Administration window.

4. The **Configure TCP/IP** window will appear. Select **Option 1**, Work with TCP/IP interfaces.

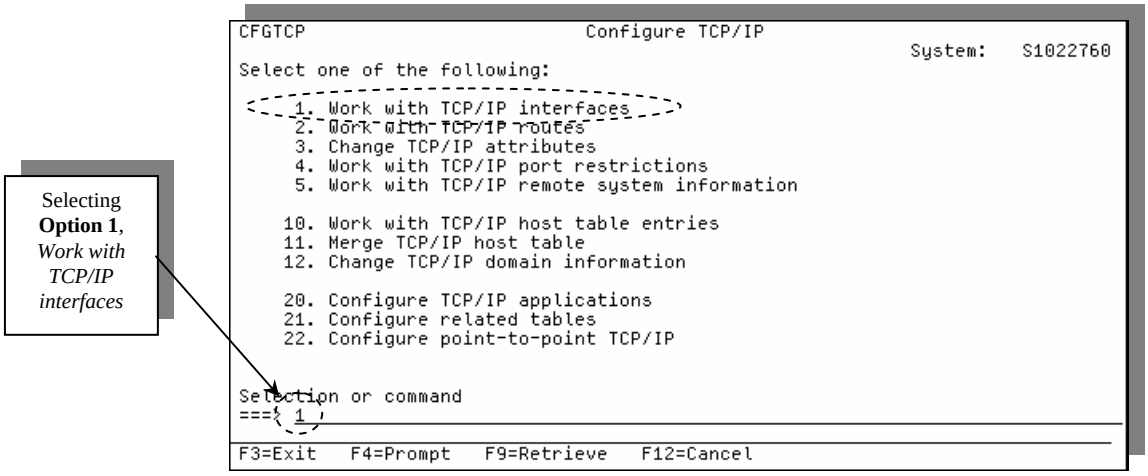


Figure 3: The Configure TCP/IP window.

5. The **Work with TCP/IP Interfaces** window will appear. The IP address will have a line description of ETHLINE (i.e. 172.16.161.1). Write this number down, you will need it later during the install process.

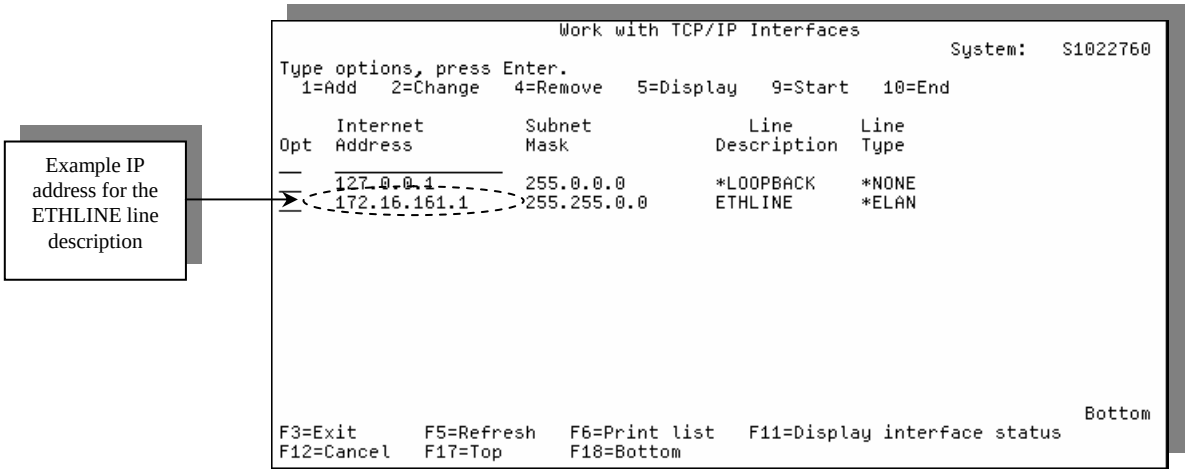


Figure 4: The Work with TCP/IP Interfaces window.

Step-by-Step: Verifying that the FTP Server is Started

1. From the AS/400 command line, type **GO TCPADM** and press **<Enter>**.
2. The **TCP/IP Administration** window will appear. Select **Option 5**, Start TCP/IP servers.

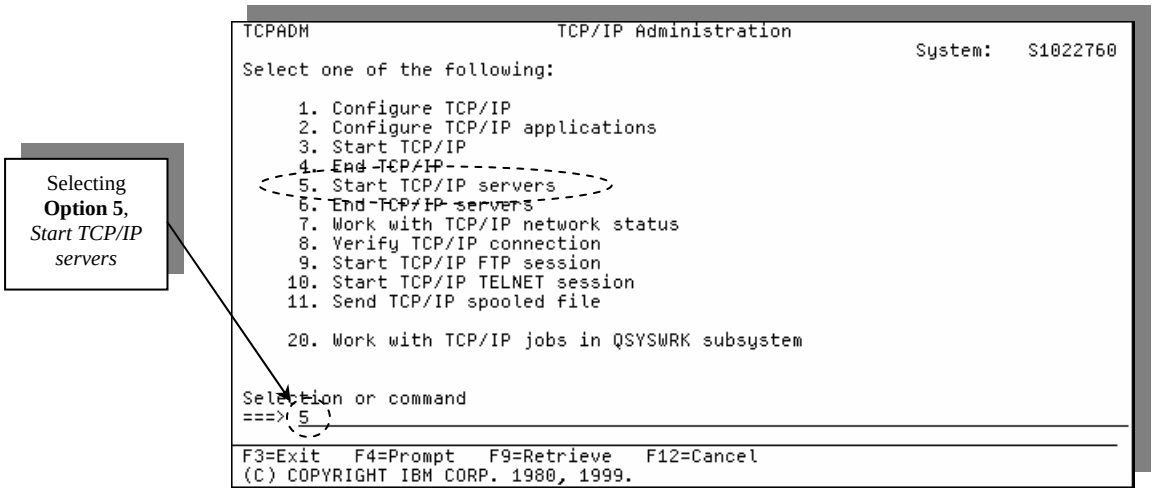


Figure 5: The TCP/IP Administration window.

3. Type ***FTP** in the ***Server application*** field and press **<ENTER>**. The FTP server, if not already running, will now start.

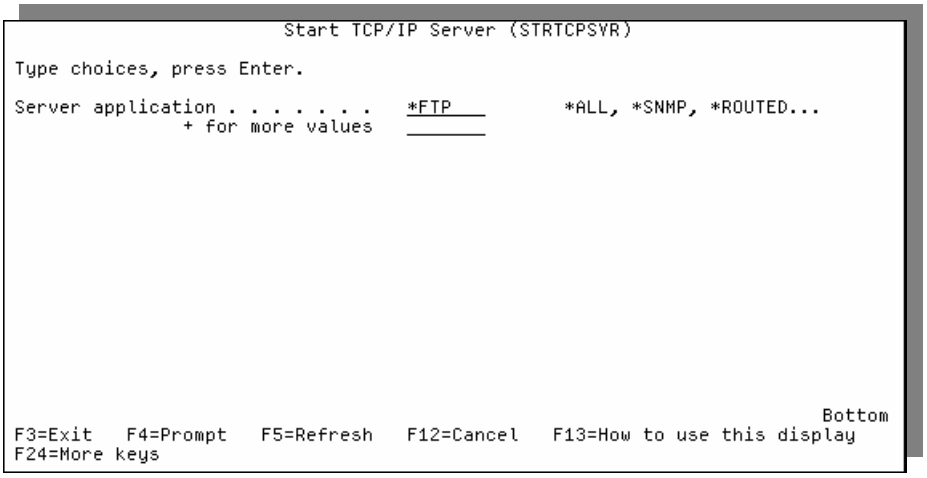


Figure 6: The Start TCP/IP Server window.

NOTE: This may take a few minutes to run.

Step-by-Step: Filling the AS/400 Borders for GUI Window Recognition

In order for GUI to recognize the various screens and windows, the AS/400 popup windows must have dashes around the borders. Steps 2-9 will need to be repeated for as many libraries as you use.

1. Make sure all NWS product libraries are on your library list.
2. From the AS/400 command line, type "CALL GUIBRDR" and press **<Enter>**.
3. The **Update NWS Product Library** window #1 will appear. Enter any libraries that fit the following descriptions: NWSXXFLS where XX represents the two-character application code. Also, "NWSAULIB" needs to be added. Enter the library name and press **<Enter>**.

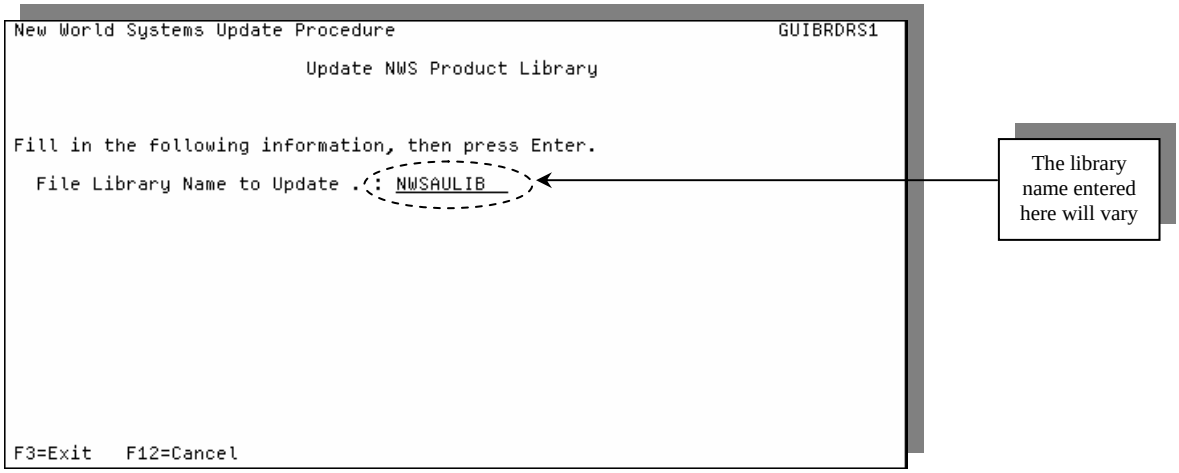


Figure 7: The Update NWS Product Library window #1.

4. The **Update NWS Product Library** window #2 will appear. Press **<Enter>**.

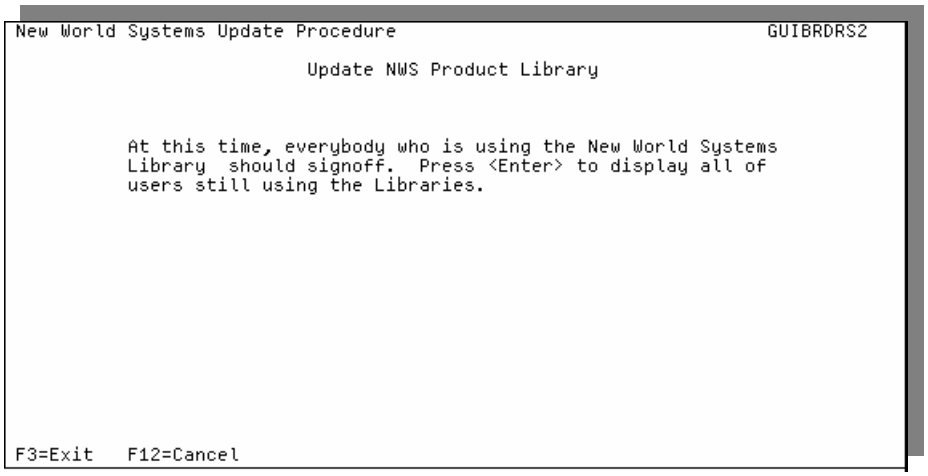


Figure 8: The Update NWS Product Library window #2.

5. The **Work with Object Locks** window will appear. The only user name that should appear is the name of the user who is performing the update.

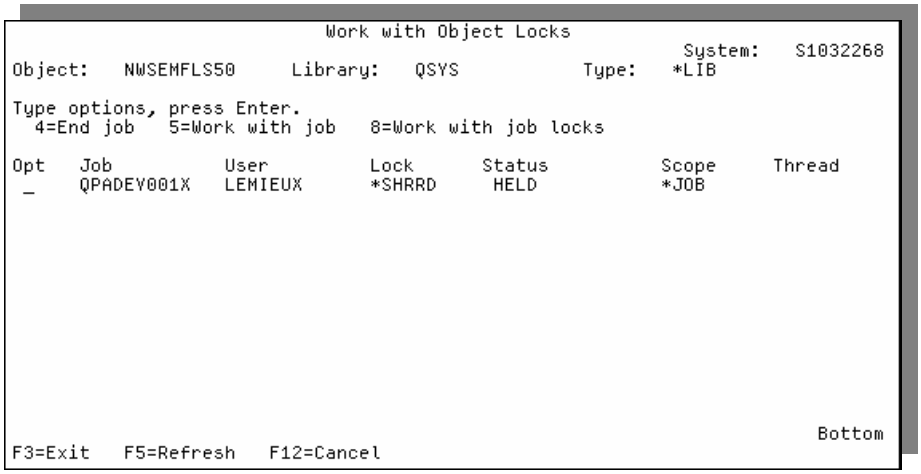


Figure 9: The Work with Object Locks window.

6. The **Update NWS Product Library** window #3 will appear.

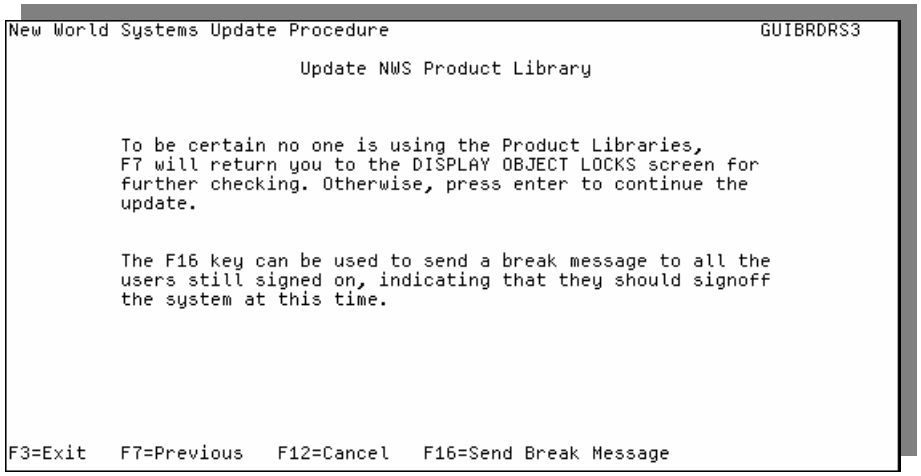


Figure 10: The Update NWS Product Library window #3.

7. The **Update NWS Product Library** window #4 will appear. Press **<Enter>** to complete the update of the library.

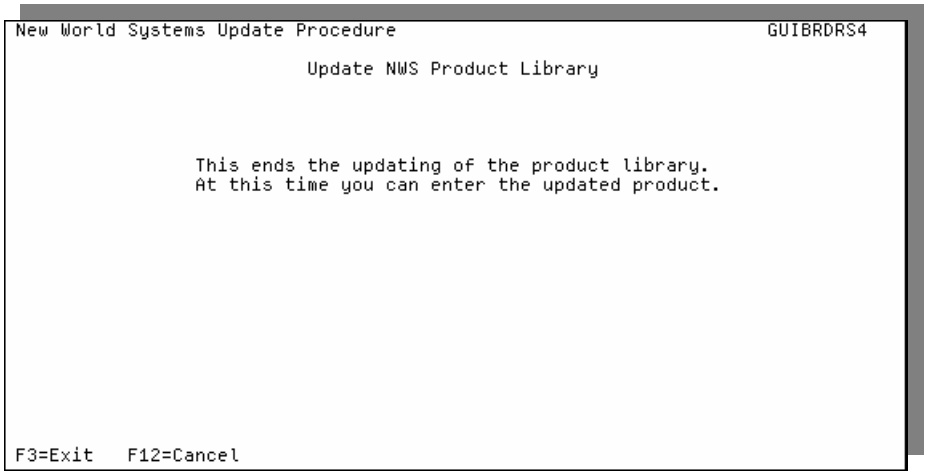


Figure 11: The Update NWS Product Library window #4.

8. Continue with steps 2-7 until all of your libraries have borders added to them.

Step-by-Step: Installing the J Walk Server on the AS/400

NOTE: If the customer is already running J Walk through another vendor, the J Walk Server may or may not be already installed on the AS/400. If it is already installed, proceed to the next section.

1. Insert the J Walk CD or go to windows explorer and navigate to the JWALK31 folder on the mapped drive, double click on SETUP.BAT. If you use the CD, the installation program should start automatically. If it does not, click the START button, then the RUN button, click the BROWSE button and select CD-ROM, and then click SETUP.BAT, then click OK. At the Welcome window, click the >> button. The **J Walk Product CD** window will appear. Click the INSTALL J WALK SOFTWARE button.

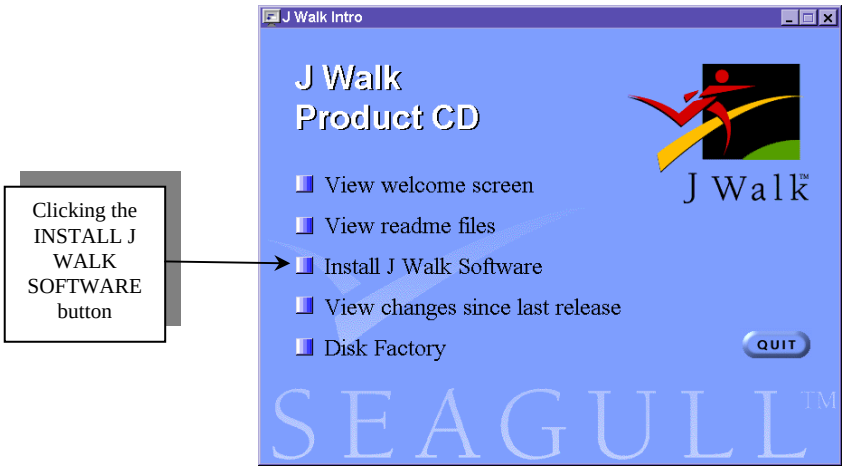


Figure 12: The J Walk Product CD window.

2. The **Install J Walk Software** window will appear. Click the J WALK SERVER AND CLIENTS button.

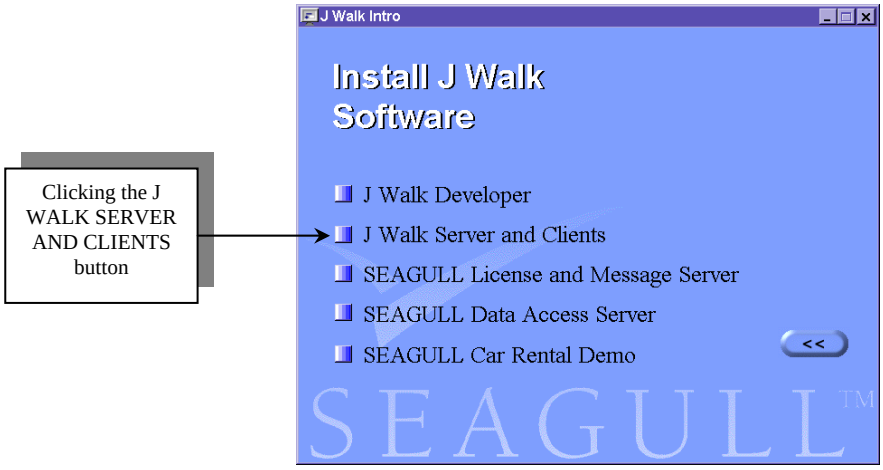


Figure 13: The Install J Walk Software window.

3. The **Install J Walk Server and Clients** window will appear. Click the J WALK SERVER FOR AS/400 button.

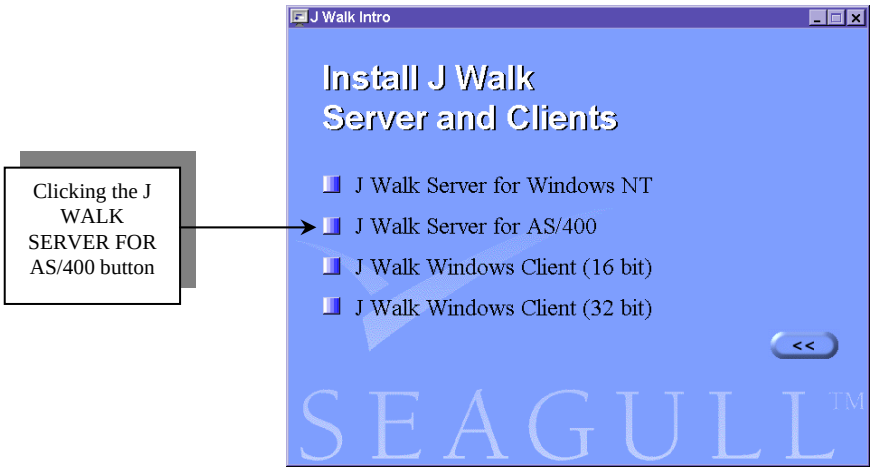


Figure 14: The Install J Walk Server and Clients window.

4. The **Welcome** window will appear. Click the NEXT button.

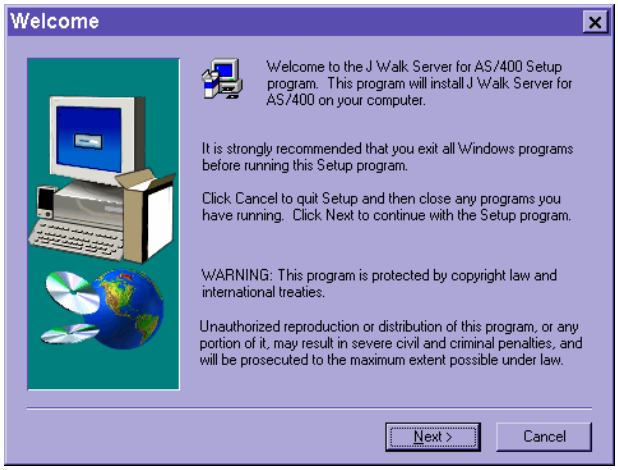


Figure 15: The Welcome window.

5. The **Software License Agreement** window will appear. Click the YES button.

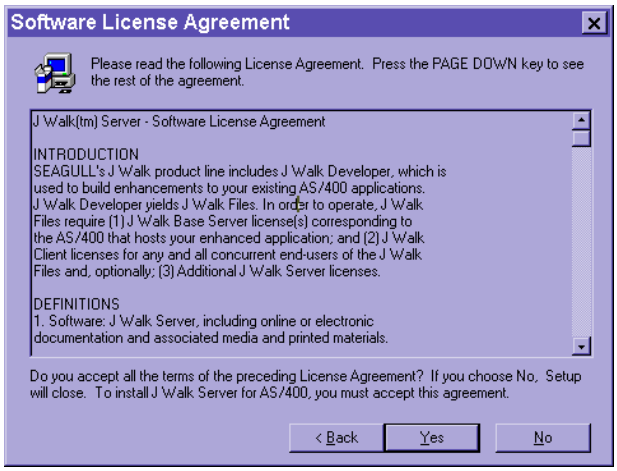


Figure 16: The Software License Agreement window.

6. The **Installation Procedure** window will appear. Select "Automatic Installation" and then click the NEXT button.

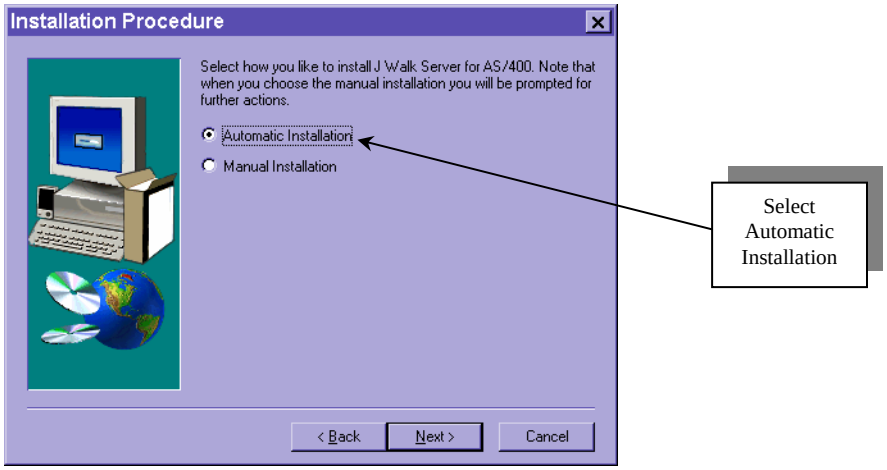


Figure 17: The Installation Procedure window.

7. The **Choose Destination Location** window will appear. Enter a directory that the install program can use to temporarily store files and click the NEXT button. The installation program will now copy the necessary files to the destination directory.

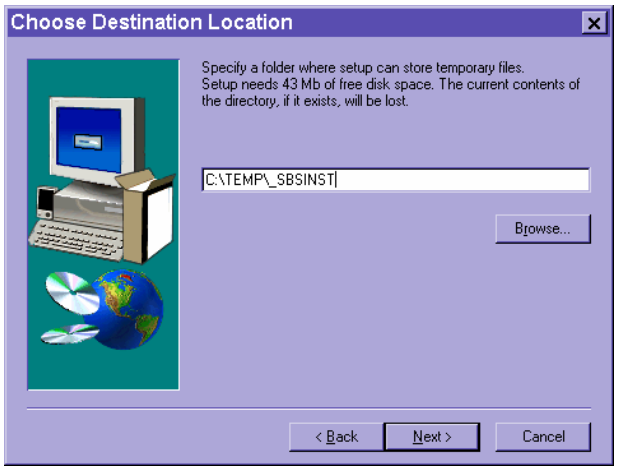


Figure 18: The Choose Destination Location window.

8. The **Select Components** window will appear. Verify that all components are selected then click the NEXT button.

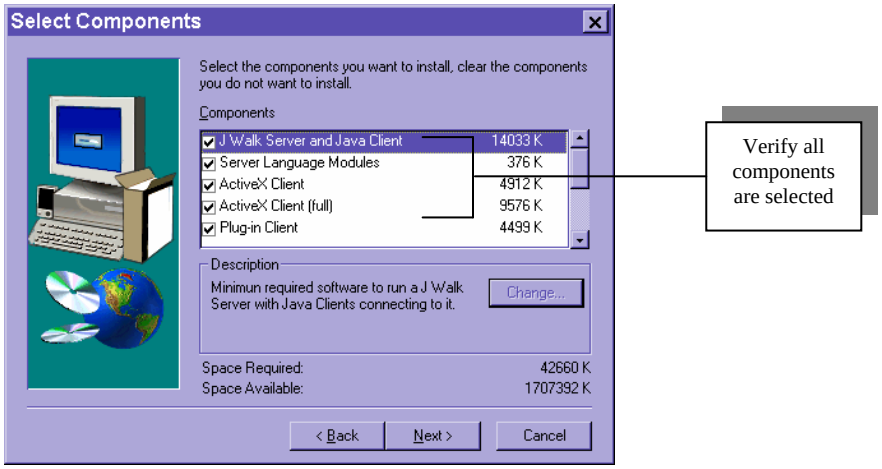


Figure 19: The Select Components window.

9. The **Server Port Setting** window will appear. Enter the Server port number (should be the default), then click the NEXT button.

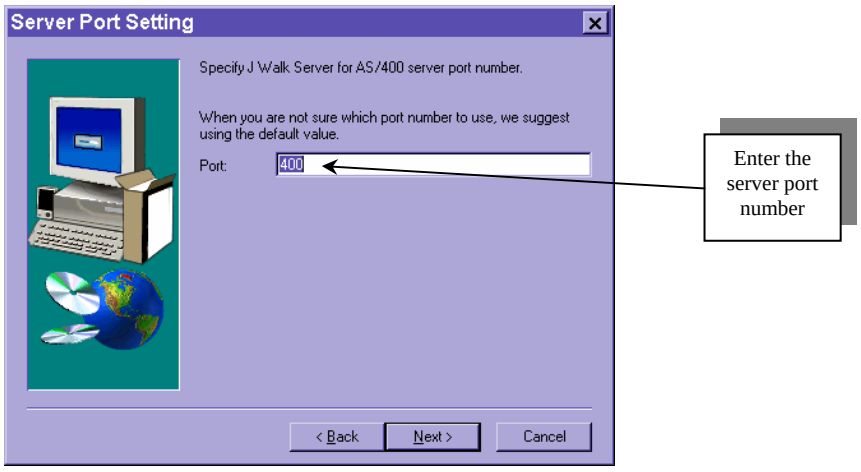


Figure 20: The Server Port Setting window.

10. The **Host System Setting J Walk Server for AS/400** window will appear. Enter the IP address of the AS/400 Server and click the NEXT button.

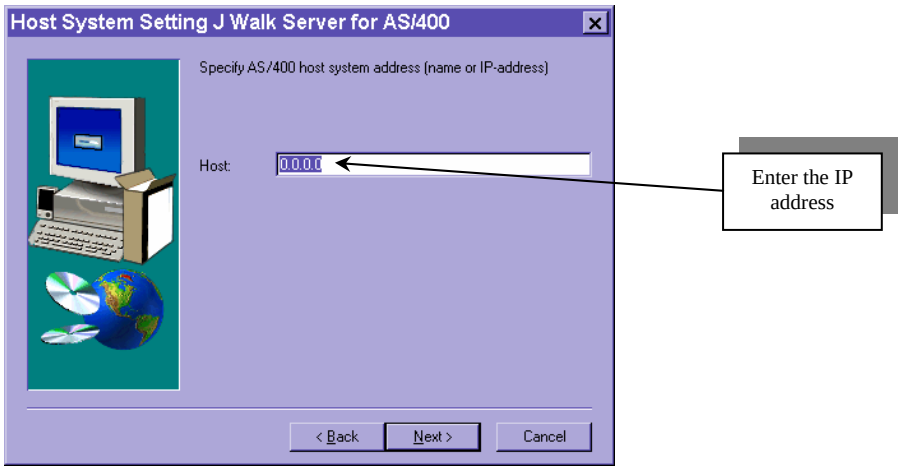


Figure 21: The Host System Setting J Walk Server for AS/400 window.

11. The **Domain J Walk Server for AS/400** window will appear. Leave the default Domain and click the NEXT button.

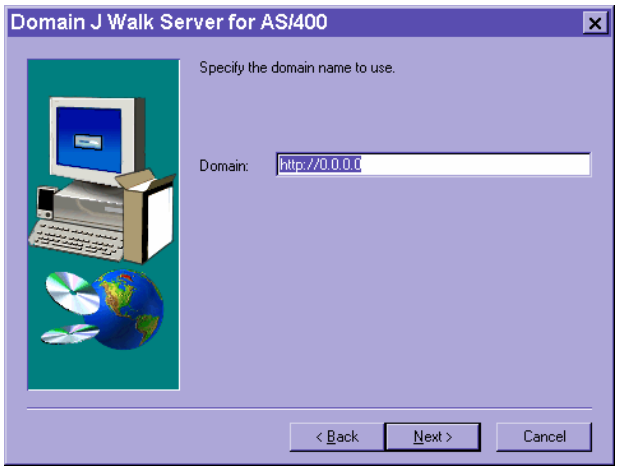


Figure 22: The Domain J Walk Server for AS/400 window.

12. The **FTP Connection settings** window will appear. Enter the IP Address of the AS400 machine and the QSECOFR password, then click the NEXT button. At this point the installation program will update the AS400.

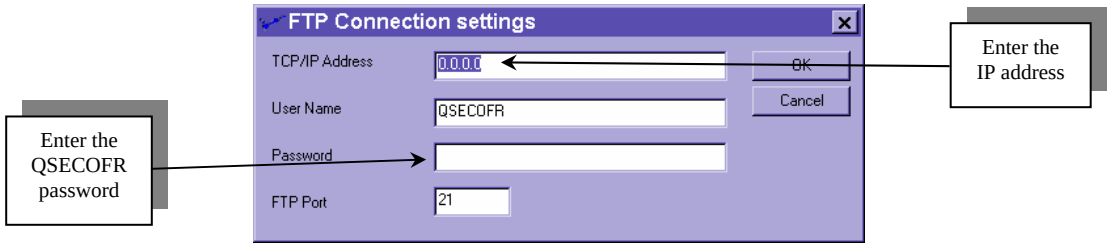


Figure 23: The FTP Connection settings window.

13. The **Setup Complete** window will appear. Click the FINISH button.



Figure 24: The Setup Complete window.

14. If unable to install seagull, verify that the computer you are installing GUI on has a TCP Connection.
    - On the AS400, type **CALL QCMD** and press **<Enter>**.
    - Type **PING 'ADDRESS'** and press **<Enter>**.

NOTE: In the examples listed on this page, **ADDRESS** represents your specific IP address. In other words, don't type in ADDRESS, rather type in your IP address in the format of xxx.xxx.xx.x.

    - It will say successful.

OR

    - From DOS: Type **PING ADDRESS** and press **<Enter>**.
    - If it says "Reply from address", then it's working correctly.

Step-by-Step: Configuring the AS/400 HTTP Server

1. Sign on to the AS/400 as QSECOFR.
2. On the command line type **WRKHTTPCFG** and press **<Enter>**.
3. The **Work with HTTP Configuration** window will appear. Page down until you see the "Pass" lines.

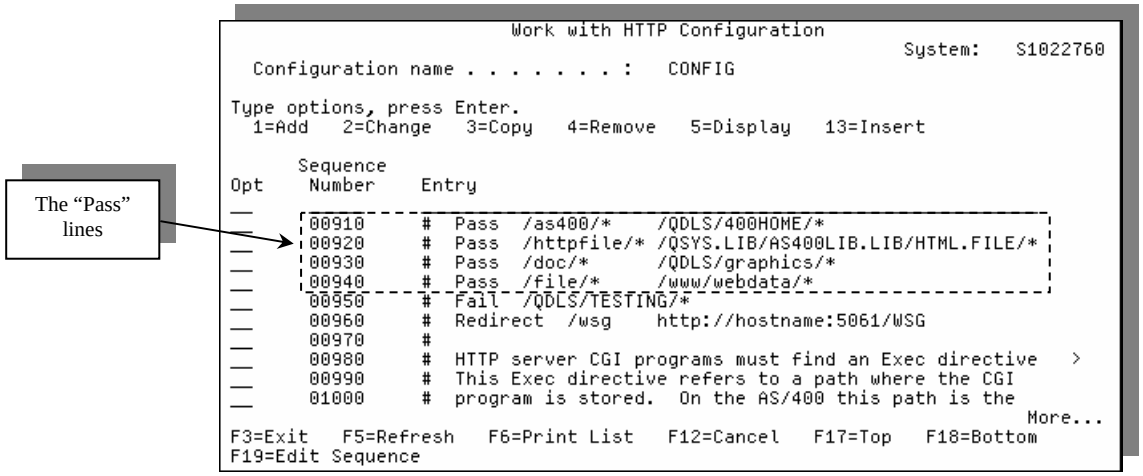


Figure 25: The Work with HTTP Configuration window.

4. Enter a "1" in the ***Option*** field to add a line. Enter the line number in the ***Sequence Number*** field. The line number that you use should be at the end of the range of "pass" line numbers that are already on the system. For example, in the above figure, the range would be 00910 to 00940; therefore the line added would be 00945. In the ***Entry*** field type **Pass /JWALK/* /JWALK/*** and press **<Enter>**.
   - There must be at least one space after "Pass" and at least one space after the first "*" on both lines.

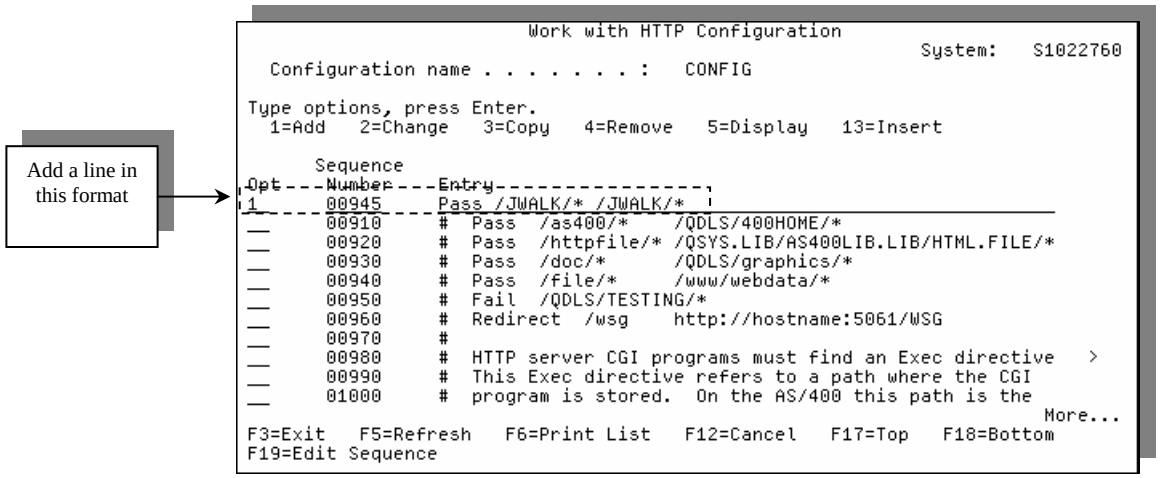


Figure 26: The Work with HTTP Configuration window.

5. Add a second line in lower case. Type **Pass /jwalk/* /jwalk/*** and press **<Enter>**.
   - There must be at least one space after "Pass" and at least one space after the first "*" on both lines.

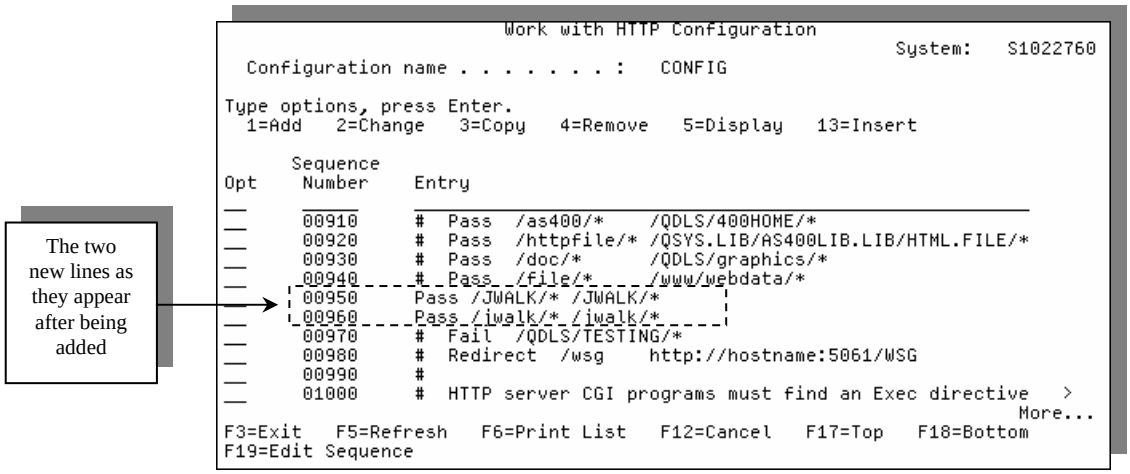


Figure 27: The Work with HTTP Configuration window.

6. End and start the HTTP Server.
   - To end the server, at the command line type **ENDTCPSVR *HTTP** and press **<Enter>**.
   - To start the server, at the command line type **STRTCPSVR *HTTP** and press **<Enter>**.
7. Start the J Walk Server on the AS/400.
   - At the command line, type **SEAJWK/STRJWKSVR** and press **<Enter>**.
8. Close all AS/400 sessions on the PC.

Step-by-Step: Installing Seagull License and Message Server

NOTE: If the customer is already running J Walk through anther vendor, the License and Message Server should already be installed and running on the AS/400. Proceed to the next section.

1. Insert the J Walk CD or go to windows explorer and navigate to the JWALK31 folder on the mapped drive, double click on SETUP.BAT. If you use the CD, the installation program should start automatically. If it does not, click the START button, then the RUN button, click the BROWSE button and select CD-ROM, and then click SETUP.BAT, then click OK. At the Welcome window, click the >> button. The **J Walk Product CD** window will appear. Click the INSTALL J WALK SOFTWARE button.

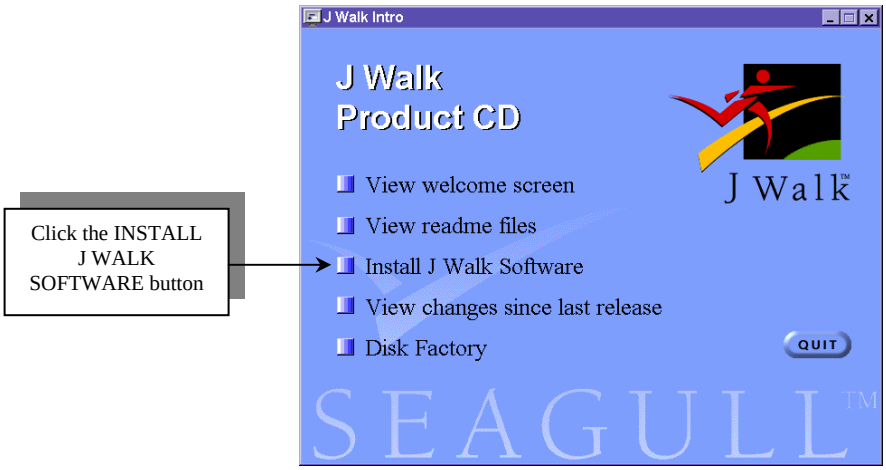


Figure 28: The J Walk Product CD window.

2. The **Install J Walk Software** window will appear. Click the SEAGULL LICENSE AND MESSAGE SERVER button.

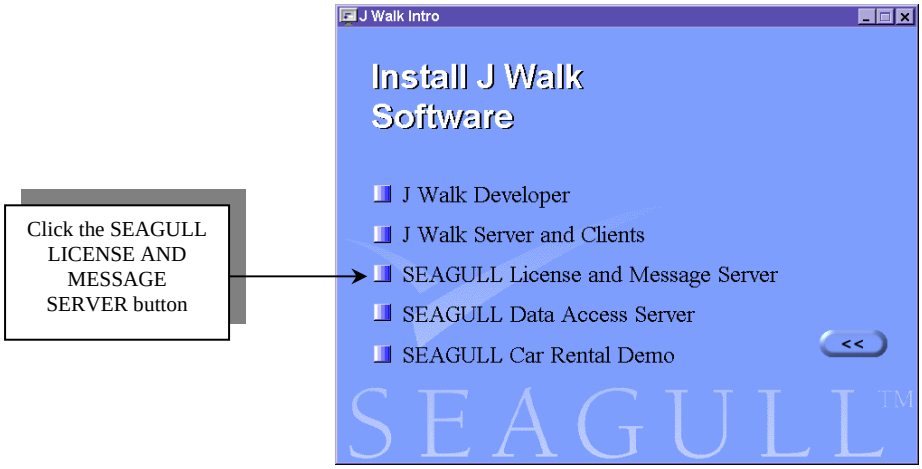


Figure 29: The Install J Walk Software window.

3. The **Welcome** window will appear. Click the NEXT button.

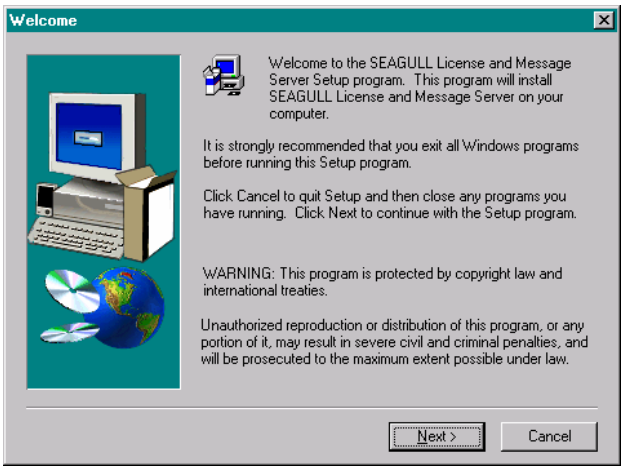


Figure 30: The Welcome window.

4. The **Installation Procedure** window will appear. Select "Automatic Installation" and click the NEXT button.

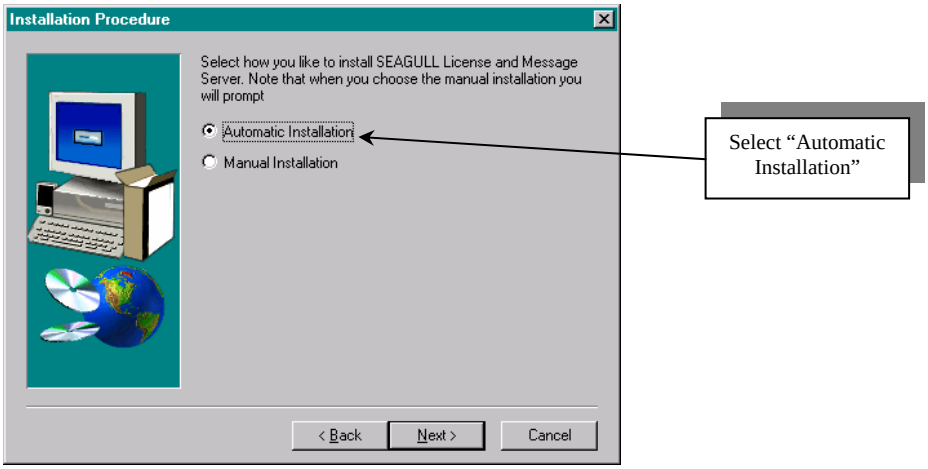


Figure 31: The Installation Procedure window.

5. The **Choose Destination Location** window will appear. Enter a directory that the install program can use to temporarily store files and click the NEXT button. At this point the installation program will copy the necessary files to the destination directory.

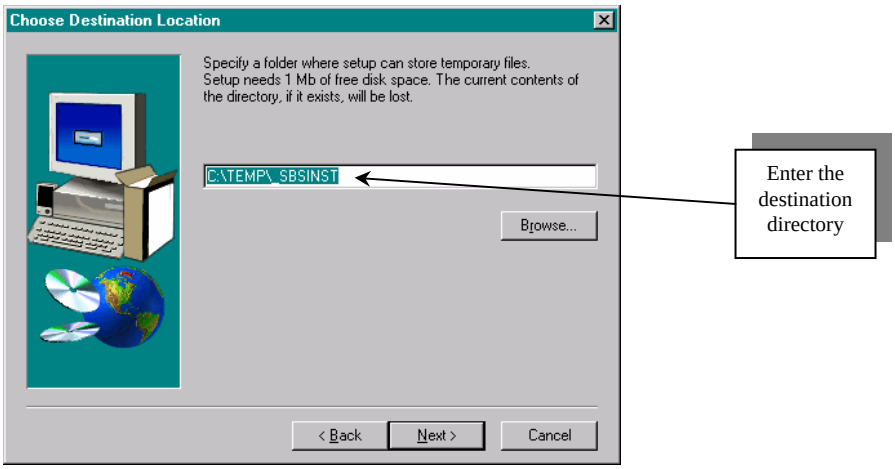


Figure 32: The Choose Destination Location window.

6. The **FTP Connection settings** window will appear. Enter the IP Address of the AS/400 and the QSECOFR password, then click the NEXT button. At this point, the installation program will update the AS/400.

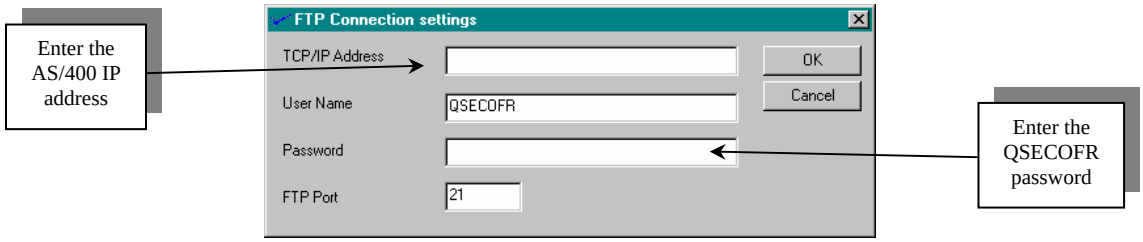


Figure 33: The FTP Connection setting window.

7. The **Setup Complete** window will appear. Click the FINISH button.

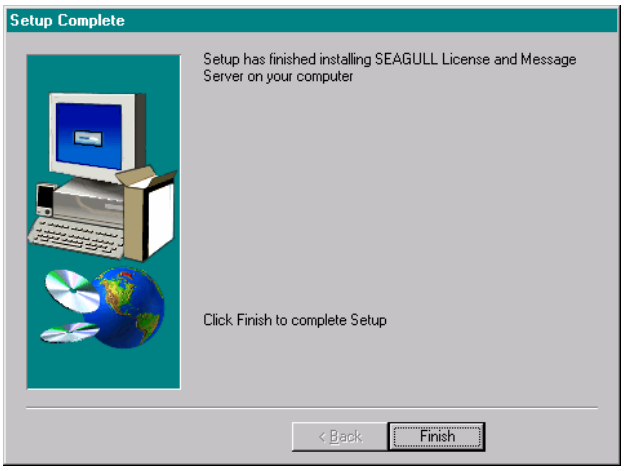


Figure 34: The Setup Complete window.

8. Start the License Messenger Service (LMS) on the AS/400:
   - Sign on to the AS/400 as QSECOFR.
   - At the command line, type **SEALMS/STRLMSTCP** and press **<Enter>**.
9. If unable to install Seagull, verify that the computer you are installing the GUI on has a TCP Connection.
   - On the AS400, type **CALL QCMD** and press **<Enter>**.
   - Type **PING 'ADDRESS'** and press **<Enter>**.

NOTE: In the examples listed on this page, **ADDRESS** represents your specific IP address. In other words, don't type in ADDRESS, rather type in your IP address in the format of xxx.xxx.xx.x.

   - It will say successful.

OR

   - From DOS: Type **PING ADDRESS** and press **<Enter>**.
   - If it says "Reply from address", then it's working correctly.

Step-by-Step: Installing the J WALK Client (32 bit)

NOTE: This section must be completed on each PC.

1. If the network drive containing the NWS_GUI folder is not mapped on the current PC, do so now (see page 3 for instructions).
2. Insert the J Walk CD or go to windows explorer and navigate to the JWALK31 folder on the mapped drive, double click on SETUP.BAT. If you use the CD, the installation program should start automatically. If it does not, click the START button, then the RUN button, click the BROWSE button and select CD-ROM, and then click SETUP.BAT, then click OK. At the Welcome window, click the >> button. The **J Walk Product CD** window will appear. Click the INSTALL J WALK SOFTWARE button.

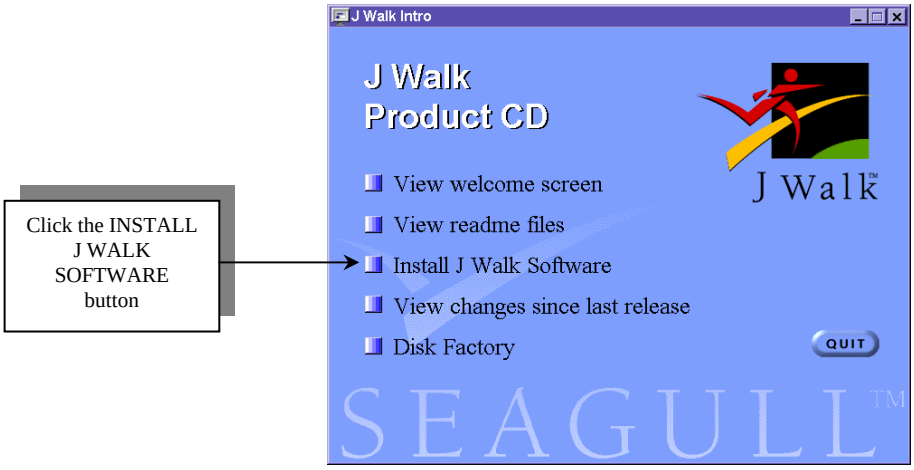


Figure 35: The J Walk Product CD window.

3. The **Install J Walk Software** window will appear. Click the J WALK SERVER AND CLIENTS button.

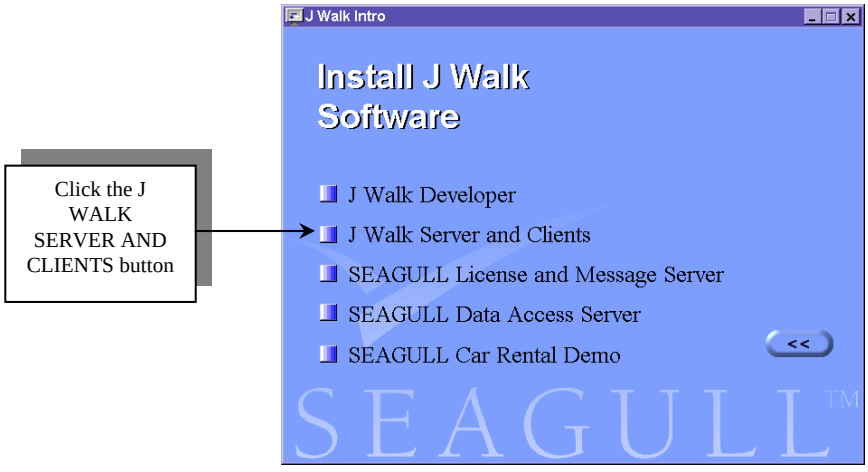


Figure 36: The Install J Walk Software window.

4. The **Install J Walk Server and Clients** window will appear. Click the J WALK WINDOWS CLIENT (32 BIT) button.

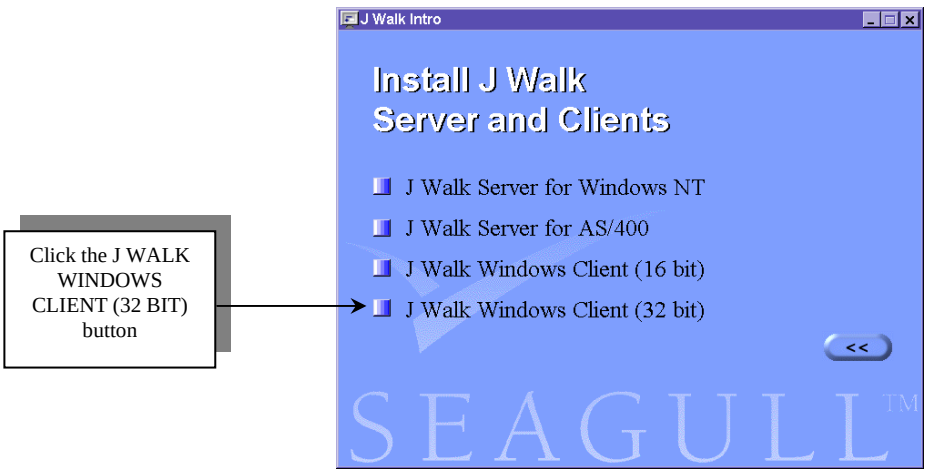


Figure 37: The Install J Walk Server and Clients window.

5. The **Software License Agreement** window will appear. Click the YES button.

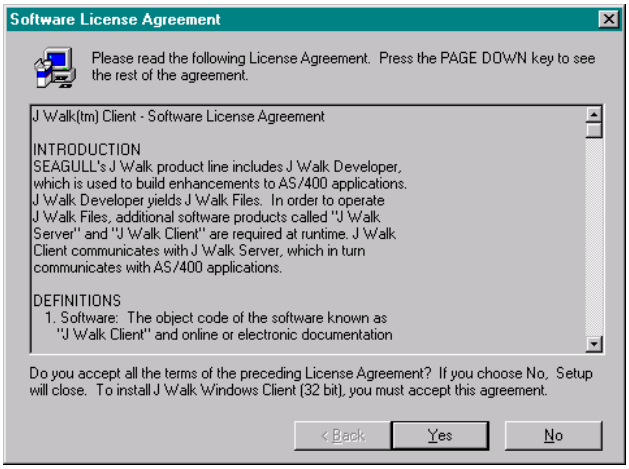


Figure 38: The Software License Agreement window.

6. The **Choose Destination Location** window will appear. Accept the default path, unless the customer needs J Walk installed in a different location, and click the NEXT button. If the customer chooses to install J Walk in a different folder, make note of the path. You will need it to modify the JWC file later.

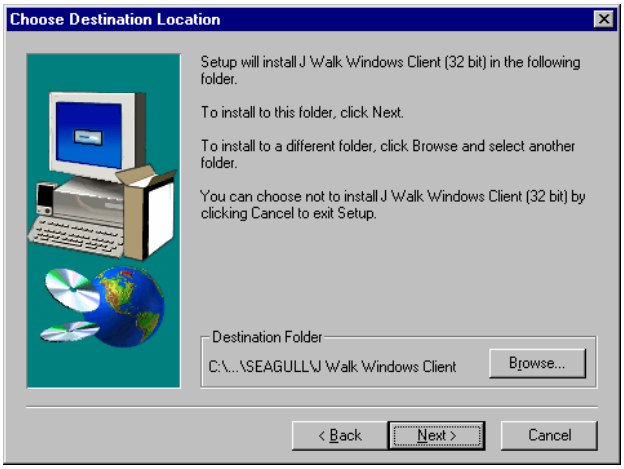


Figure 39: The Choose Destination Location window.

7. The **Select Type** window will appear. Select the "Typical" setup and click the NEXT button.

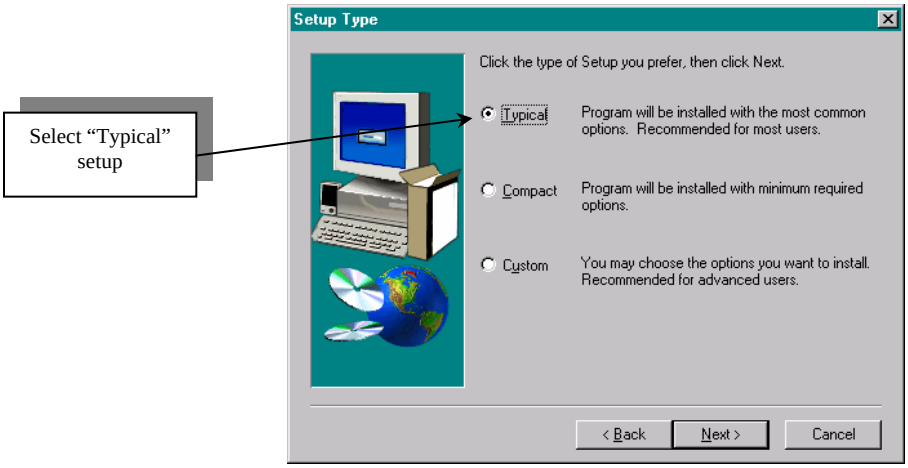


Figure 40: The Setup Type window.

8. The **Installation** window #1 will appear. Accept the default Program Folder and click the NEXT button.

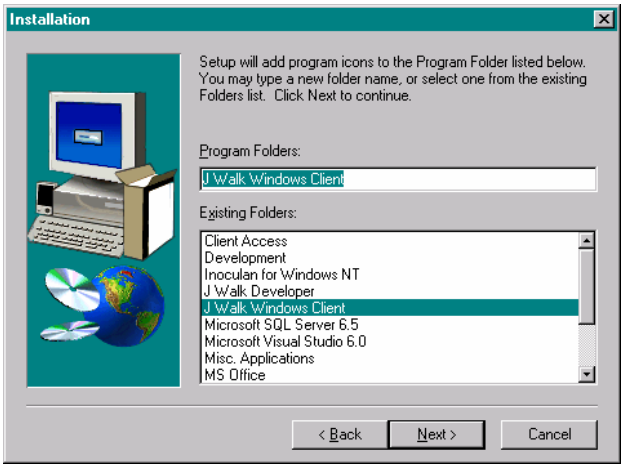


Figure 41: The Installation window # 1.

9. The **Installation** window #2 will appear. Verify that the checkbox to start the Configuration Assistant is checked and click the NEXT button.

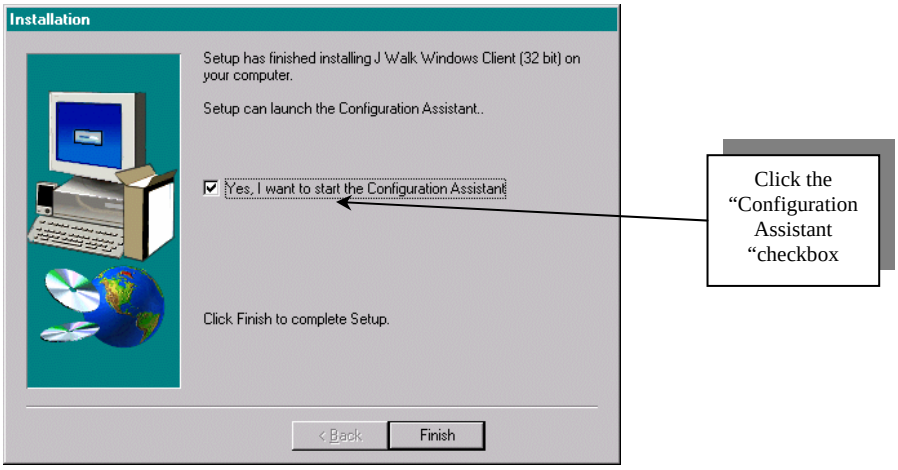


Figure 42: The Installation window #2.

10. The **J Walk Configuration Assistant** window #1 will appear. Click the NEXT button.

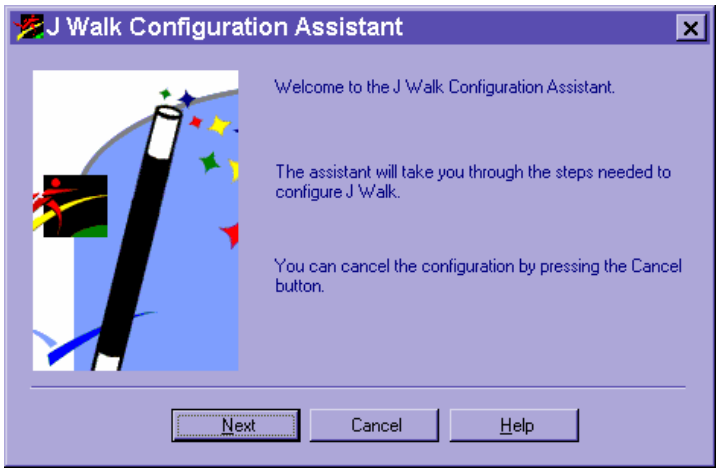


Figure 43: The J Walk Configuration Assistant window #1.

11. The **J Walk Configuration Assistant** window #2 will appear. The configuration option should be set to "Add a new configuration". Click the NEXT button.

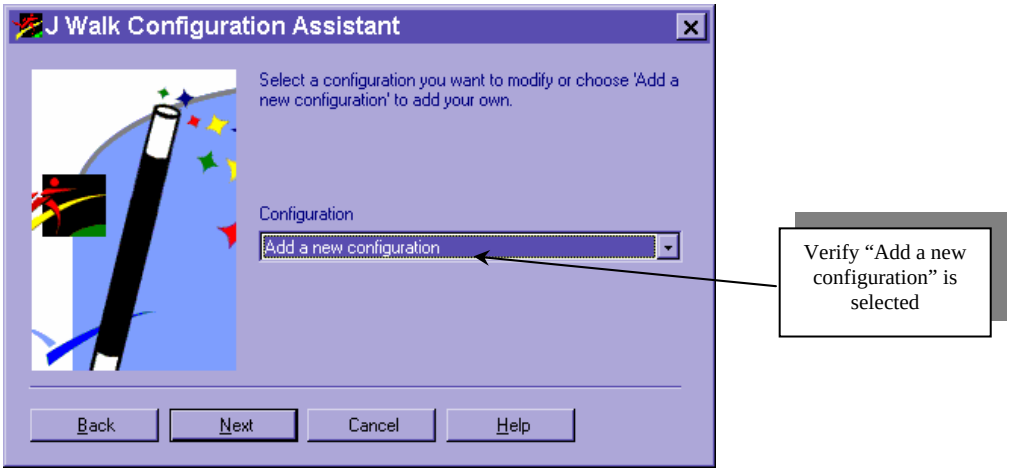


Figure 44: The J Walk Configuration Assistant window # 2.

12. The **J Walk Configuration Assistant** window #3 will appear. Change the Router to "TCP/IP for Windows 95/NT", click the NEXT button.



Figure 45: The J Walk Configuration Assistant window #3.

13. The **J Walk Configuration Assistant** window #4 will appear. Verify the Emulator is "J Walk Internal Emulator", click the NEXT button.

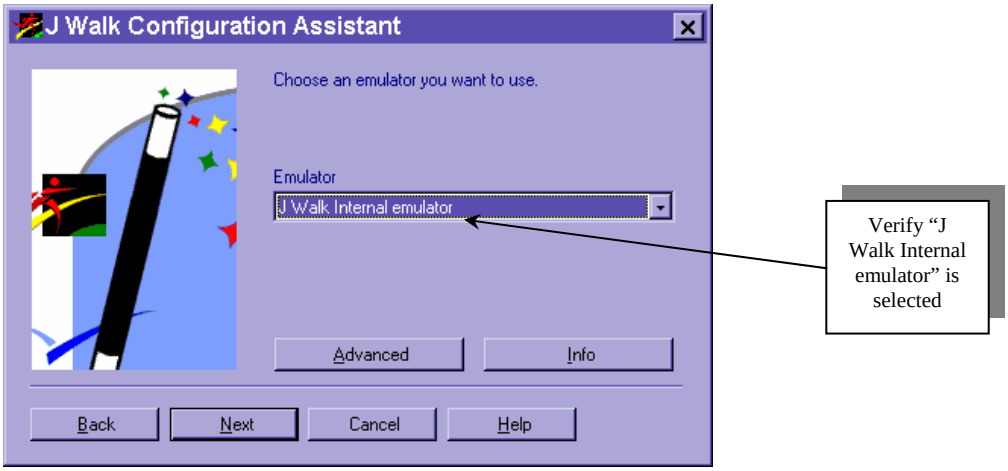


Figure 46: The J Walk Configuration Assistant window #4.

14. The **J Walk Configuration Assistant** window #5 will appear. Click the NEXT button to confirm previous selections.

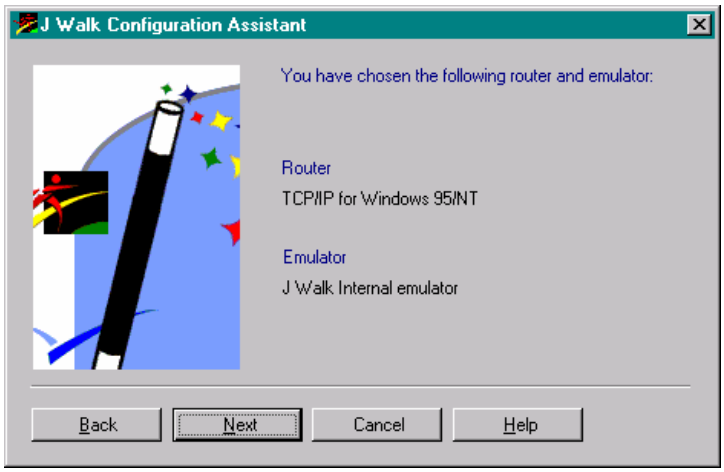


Figure 47: The J Walk Configuration Assistant window #5.

15. The **J Walk Configuration Assistant** window #6 will appear. Verify that the ***CCSID*** field is set to "English (US)" and enter the ***System name*** or IP Address under the Emulator and SEGULL License and Message Server headings. Click the NEXT button.

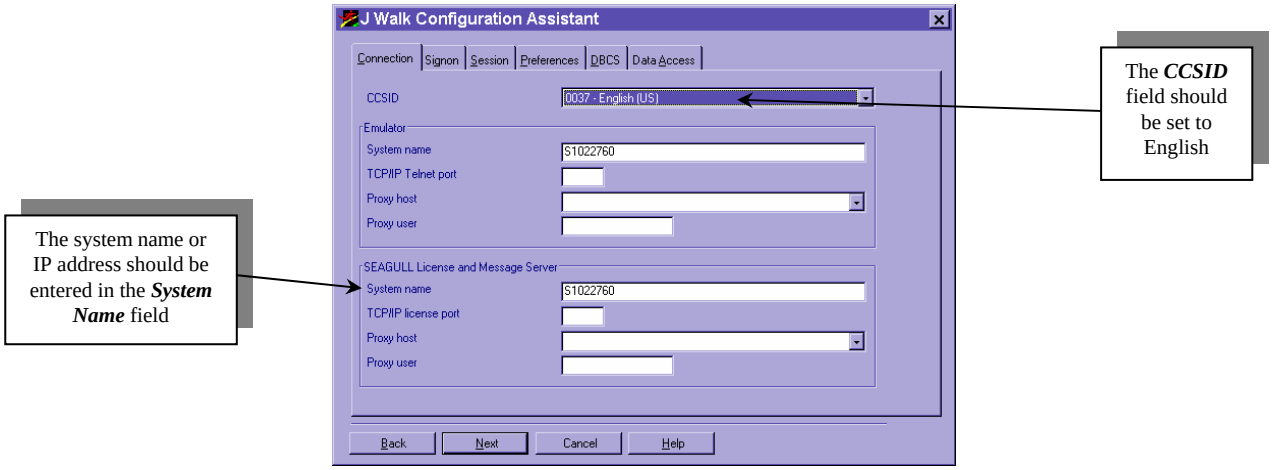


Figure 48: The J Walk Configuration Assistant window #6.

16. The **J Walk Configuration Assistant** window #7 will appear. Change "Add a new configuration" to the system name, then click the VERIFY CONFIGURATION button. Click the OK button on the two message windows that pop up.

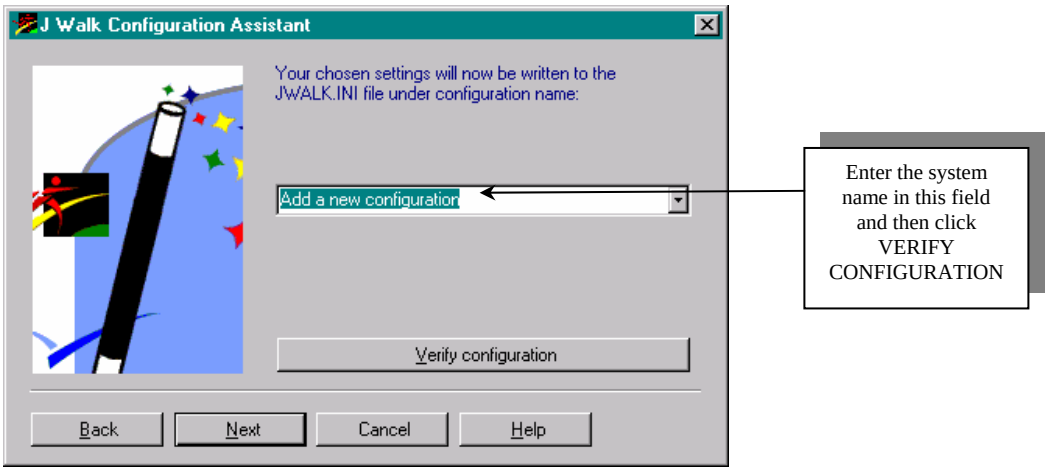


Figure 49: The J Walk Configuration Assistant window #7.

17. A log will open in Notepad. Verify that the test was successful and then close Notepad.

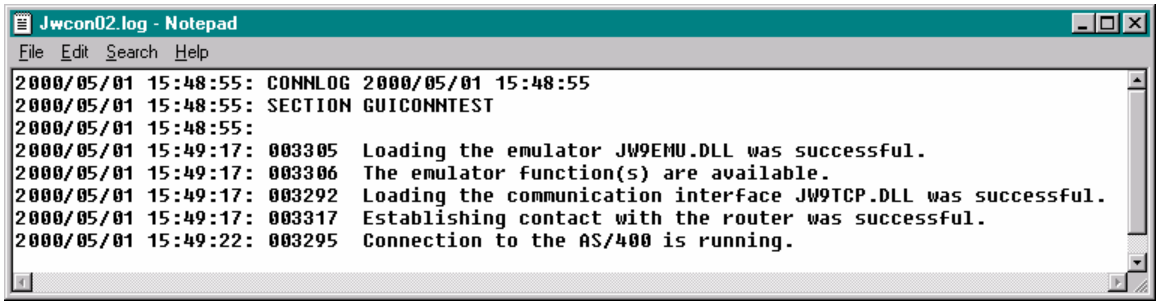


Figure 50: The Jwcon02.log Notepad window.

18. The **J Walk Configuration Assistant** window #7 will reappear. Click the NEXT button.

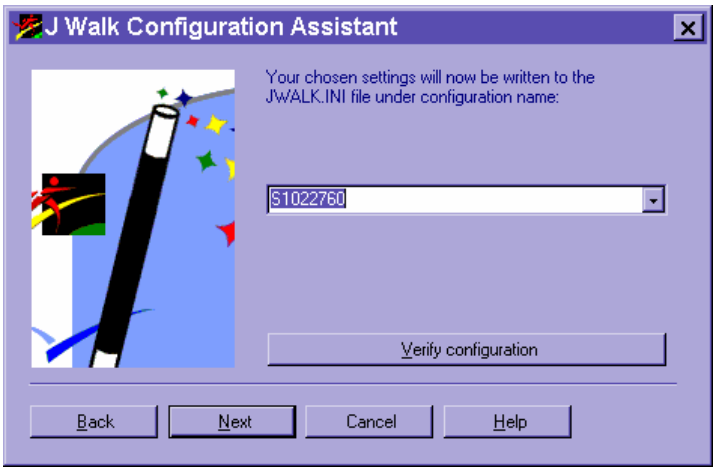


Figure 51: The J Walk Assistant Configuration window #7.

19. The **J Walk Configuration Assistant** window #8 will appear. Click the FINISH button.

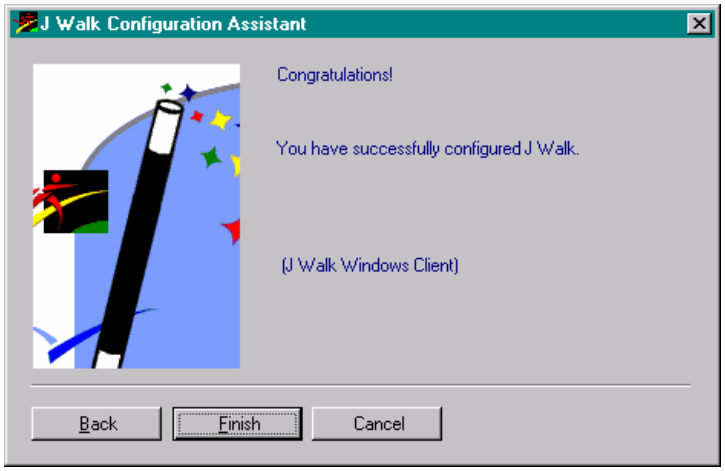


Figure 52: The J Walk Configuration Assistant window.

20. Access Windows Explorer and go to the mapped drive and copy the Jw9c.jwk file to C:\Program Files\Seagull\J Walk Windows Client. Then go back to the mapped drive and copy the AppUpdate.JWC file to the C:\Program Files\Seagull\J Walk Windows Client\Appl folder on the client P.C. (if the customer is already running J Walk through another vendor and already has a JWC file in this folder, do not overwrite it).

    These paths will be different if you did not accept the default path when installing the client. If the path is different, it must be changed in the JWC file as well. Do this in Notepad and save the file.

21. From Windows Explorer, go to C:\Program Files\Seagull\J Walk Windows Client and find the JWalk.ini. Double click to open it and scroll down to the first line that does not begin with a semicolon (;). Under [Setup], set "Control=AppUpdate.jwc" and "Update=Ask". Close the file and click the YES button to save changes.

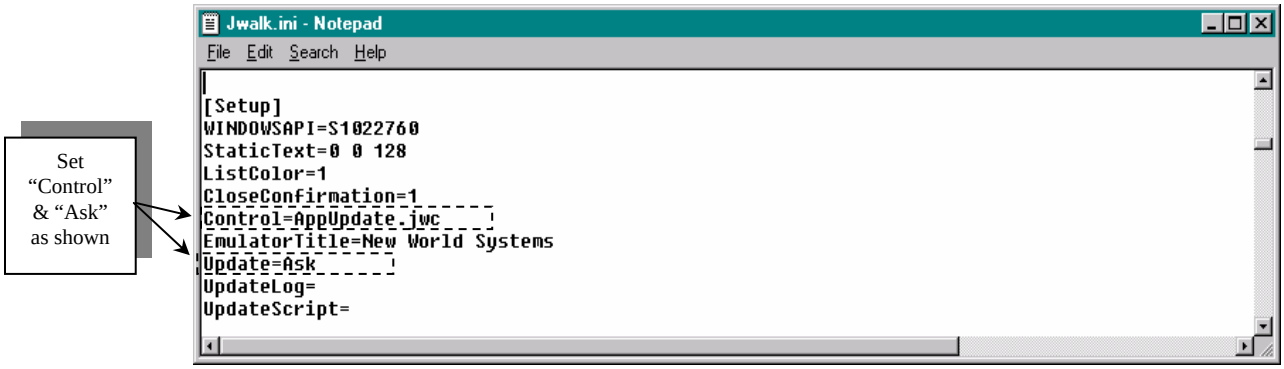


Figure 53: The Jwalk.ini notepad window.

22. If unable to install seagull verify that the computer we are installing the GUI on has a TCP Connection.

    - On the AS400, type **CALL QCMD** and press **<Enter>**.
    - Type **PING 'ADDRESS'** and press **<Enter>**.

NOTE: In the examples listed on this page, **ADDRESS** represents your specific IP address. In other words, don't type in ADDRESS, rather type in your IP address in the format of xxx.xxx.xx.x.

    - It will say successful.

      OR

    - From DOS: Type **PING ADDRESS** and press **<Enter>**.
    - If it says "Reply from address", then it's working correctly.

23. If the install did not already do so, create an Icon on each machine.

    For Windows 95

    - Right click on Start and select Explore
    - Select C:\Program Files\Seagull\J Walk Windows Client
    - Right click on JW9C.exe and select Send To => Desktop as Shortcut
    - Go to the desktop and right click on the icon and select rename and call it NWS GUI

    For Windows 98

    - Right click on Start and select Explore
    - Select C:\Program Files\Seagull\J Walk Windows Client
    - Right click on JW9C.exe and select Send To => Desktop (Create Shortcut)
    - Go to the desktop and right click on the icon and select rename and call it NWS GUI

For Windows NT

- Right click on Start and select Explore
- Select C:\Program Files\Seagull\J Walk Windows Client
- Right click on JW9C.exe and select Create Shortcut
- Left click on the shortcut and drag it to the desktop
- On the desktop, right click on the icon and select rename and call it NWS GUI

Step-by-Step: Enter License Authorization Code

1. After the first J Walk client has been installed, start a J Walk session.
2. You will get an L11 error. Click the CONTINUE button and sign on. If prompted to perform updates, click YES.
3. On the command line type **SEALMS/WRKSEALIC** and press **<Enter>**.
4. The **Work with SEAGULL licenses** window will appear. Click on the "Client" ***Pack. Type*** and then click the CHANGE button.

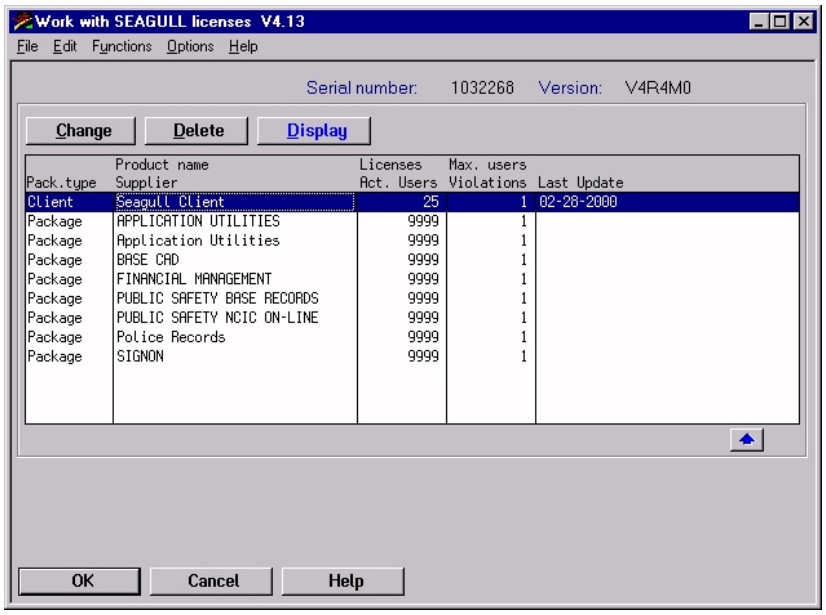


Figure 54: The Work with SEAGULL Licenses window.

5. The **Change Clients Licenses** window will appear. Enter the Authorization Code for J Walk and click the OK button.

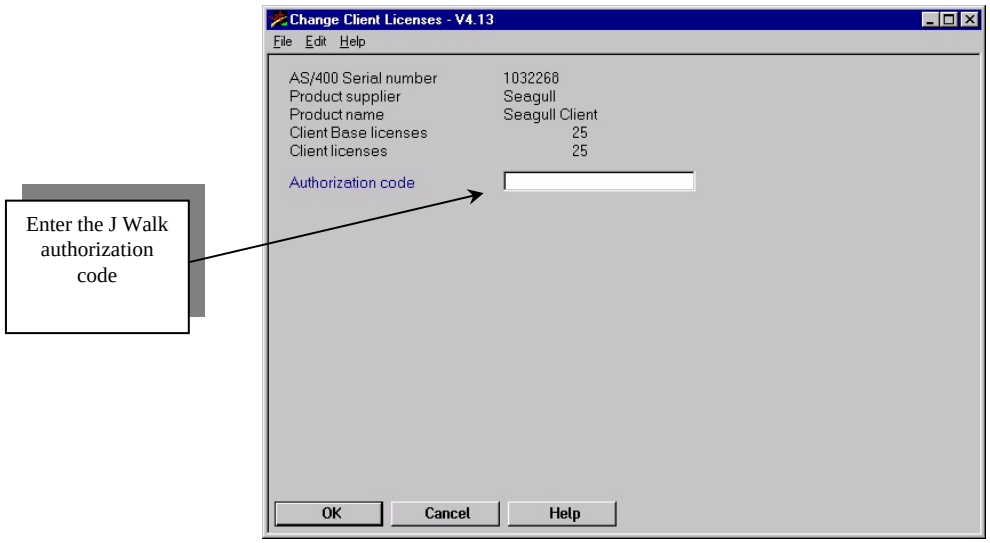


Figure 55: The Change Client Licenses window.

6. Check that the number of users indicated when you enter the authorization code matches the number of users that you received from marketing with the code. If the customer is already running J Walk, the number of licenses should equal the number they had previously plus the number received from marketing.
7. If you get an error message saying that the code cannot be installed:
   - Another user may have a client open.
   - LMS server may not be running. See the instructions on page 23, step 8.
8. If it did not prompt you to perform updates when you signed on, sign off and sign back on. If it still does not prompt you to perform updates, check the paths in the JWC file (see pages 4 and 32) and the settings in the J Walk INI (see page 33). Also make sure the network drive is mapped (see page 3) and that you have access to it in Windows Explorer.

Step-by-Step: Changing IPL Start Up

This section is optional, but recommended.

1. Sign on to the AS/400 as QSECOFR.
2. At a command line type **WRKSYSVAL QSTRUPPGM** and press **<Enter>**. Type a "5" in the ***Option*** field beside QSTRUPPGM and press **<Enter>**.

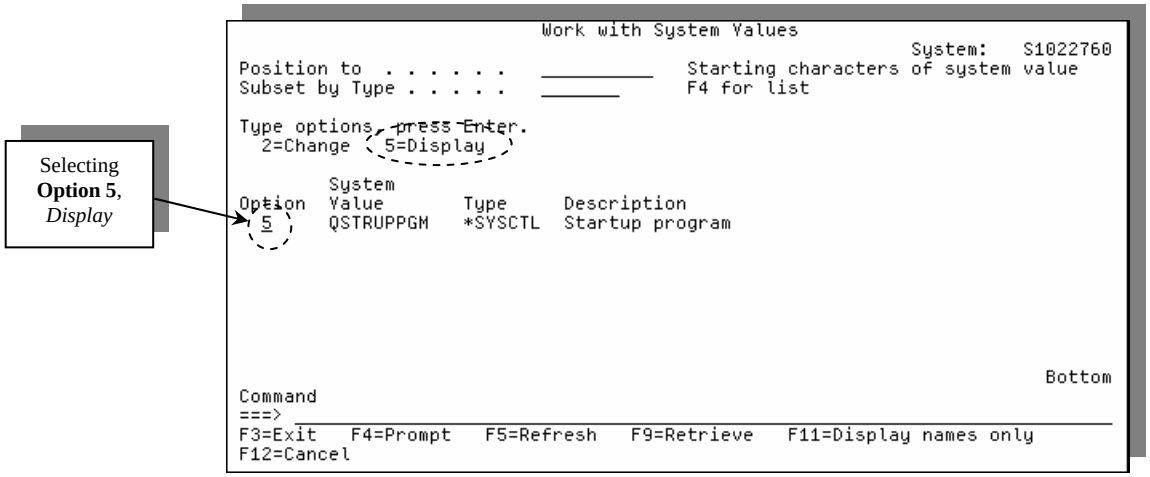


Figure 56: The Work with System Values window.

3. The **Display System Value** window will appear. Locate the library that contains QSTRUP. For example QGPL. Write this library name down, you will need this for future steps.

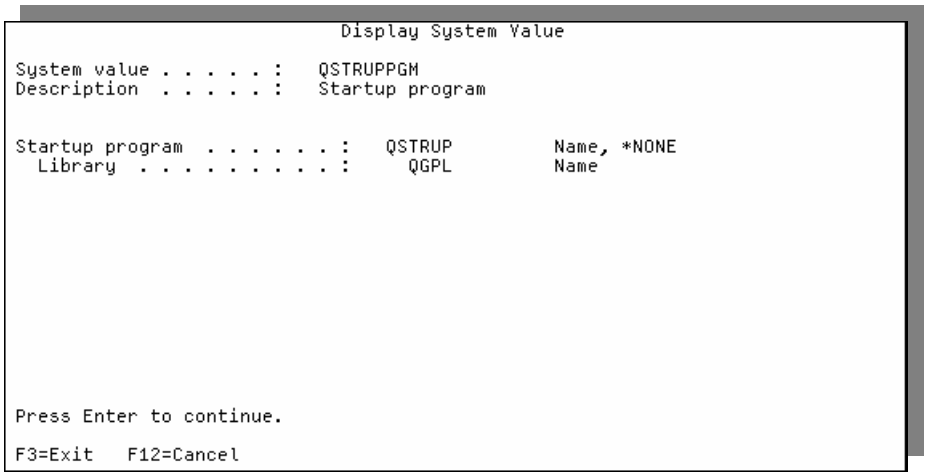


Figure 57: The Display System Value window.

4. At a command line type **STRPDM** and press **<Enter>**. The **AS/400 Programming Development Manager (PDM)** window will appear. Select **Option 3**, Work with Members.

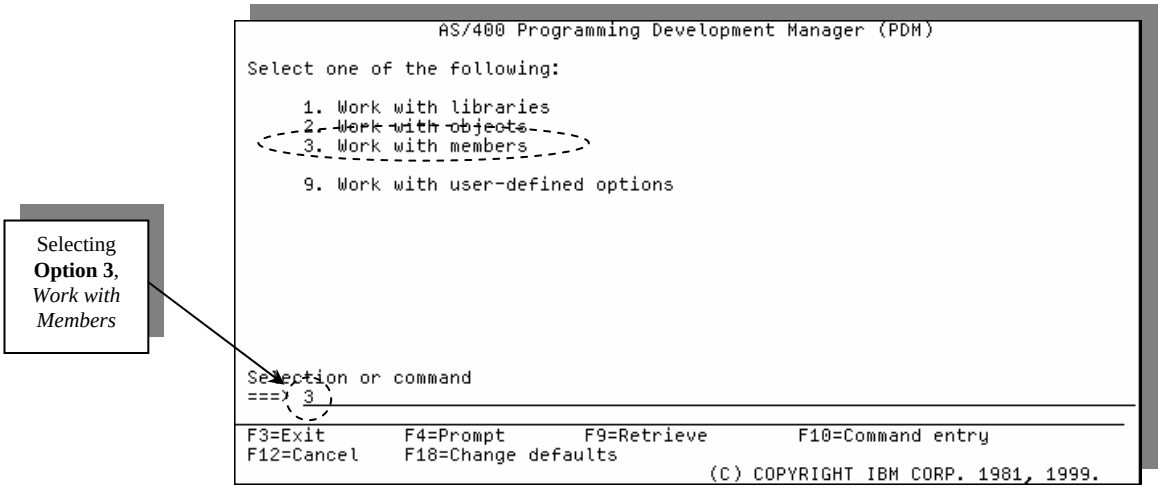


Figure 58: The AS/400 Programming Development Manager (PDM) window.

5. The **Specify Members to Work With** window will appear. Type **QCLSRC** in the ***File*** field and **QGPL** in the ***Library*** field. Press **<Enter>**.

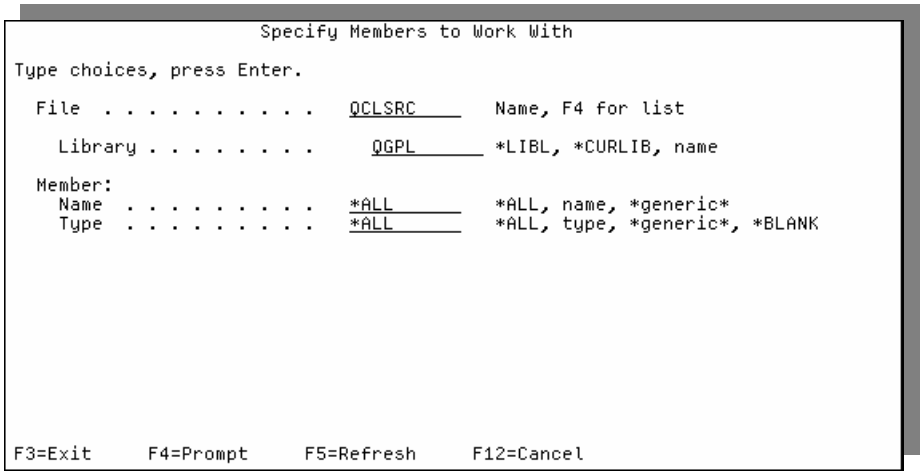


Figure 59: The Specify Members to Work With window.

6. The **Work with Members Using PDM** window will appear. Press the **<F6>** key.

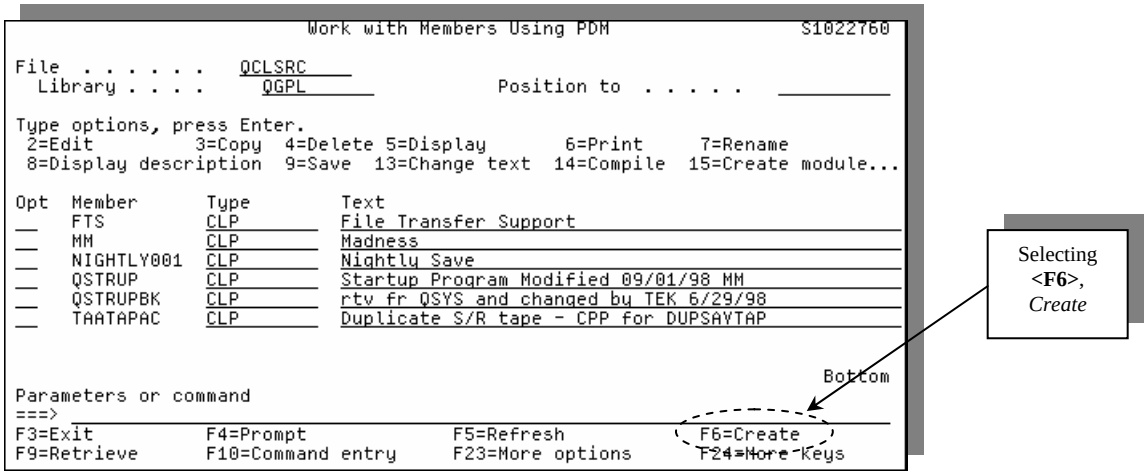


Figure 60: The Work with Members Using PDM window.

7. The **Start Source Entry Utility (STRSEU)** window will appear. In the ***Source Member*** field type **STRJWALK**; in the ***Source Type*** field type ***Same**; in the ***Text 'Description'*** field type **J Walk Start up Programs**. Press **<Enter>**.

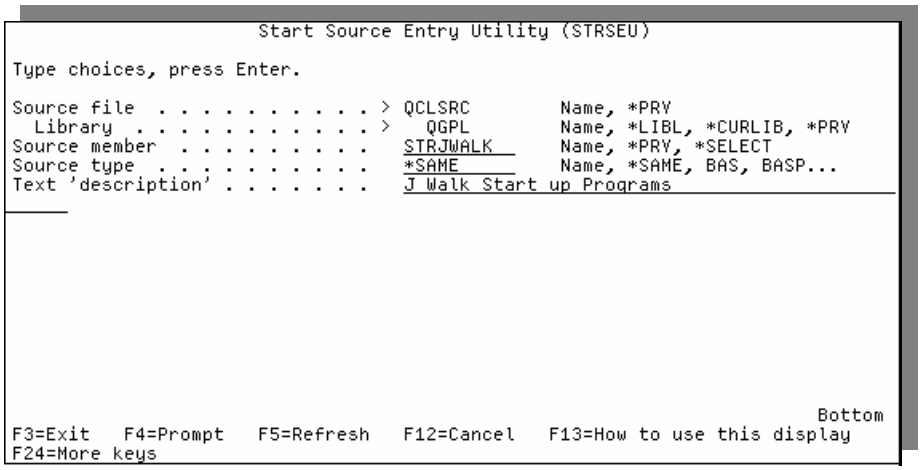


Figure 61: The Start Source Entry Utility (STRSEU) window.

8. The **Edit** window will appear. Type in the following:

```
/************************************/
/*                                  */
/* START ALL JWALK JOBS             */
/*                                  */
/************************************/
STRTCPSVR SERVER(*HTTP)
SEALMS/STRLMSTCP
SEAJWK/STRJWKSVR

ENDPGM
```

Press **<F3>**.

```
Columns . . . :    1  71            Edit                          P566LIB/CHGSRC
SEU==> ____________________________________________________________    STRJWALK
FMT **  ...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7
        ********** Beginning of data ***************************************
,,,,,,, /*************************/
,,,,,,, /*                       */
,,,,,,, /* Start all J Walk Jobs  */
,,,,,,, /*                       */
,,,,,,, /*************************/
,,,,,,, STRTCPSVR SERVER(*HTTP)
,,,,,,, SEALMS/STRLMSTCP
,,,,,,, SEAJWK/STRJWKSVR
,,,,,,,
,,,,,,, ENDPGM
,,,,,,,
,,,,,,,
,,,,,,,
,,,,,,,
,,,,,,,

        ****************** End of data *************************************

F3=Exit   F4=Prompt   F5=Refresh   F9=Retrieve   F10=Cursor   F11=Toggle
F16=Repeat find       F17=Repeat change         F24=More keys
                                   (C) COPYRIGHT IBM CORP. 1981, 1999.
```

Figure 62: The Edit program window.

9. The **Exit** window will appear. Verify that the ***Change/create member*** field is set to "Y" and press **<Enter>**.

Verify the Change / c***reate member*** field is set to "Y"

```
                                  Exit

Type choices, press Enter.

  Change/create member  . . . . .   Y             Y=Yes, N=No
    Member  . . . . . . . . . . .   STRJWALK      Name, F4 for list
    File  . . . . . . . . . . . .   QCLSRC        Name, F4 for list
      Library . . . . . . . . . .     QGPL        Name
    Text  . . . . . . . . . . . .   J Walk Start Up Programs
_____
    Resequence member . . . . . .   Y             Y=Yes, N=No
      Start . . . . . . . . . . .   0001.00       0000.01-9999.99
      Increment . . . . . . . . .   01.00         00.01-99.99

  Print member  . . . . . . . . .   N             Y=Yes, N=No

  Return to editing . . . . . . .   N             Y=Yes, N=No

  Go to member list . . . . . . .   N             Y=Yes, N=No


F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel
```

Figure 63: The Exit program window.

10. Stay in the **Work with Members Using PDM** window using the same library and file (File: QCLSRC, Library: QGPL). Type a "7" in the ***Option*** field next to Member QSTRUP and press **<Enter>**.

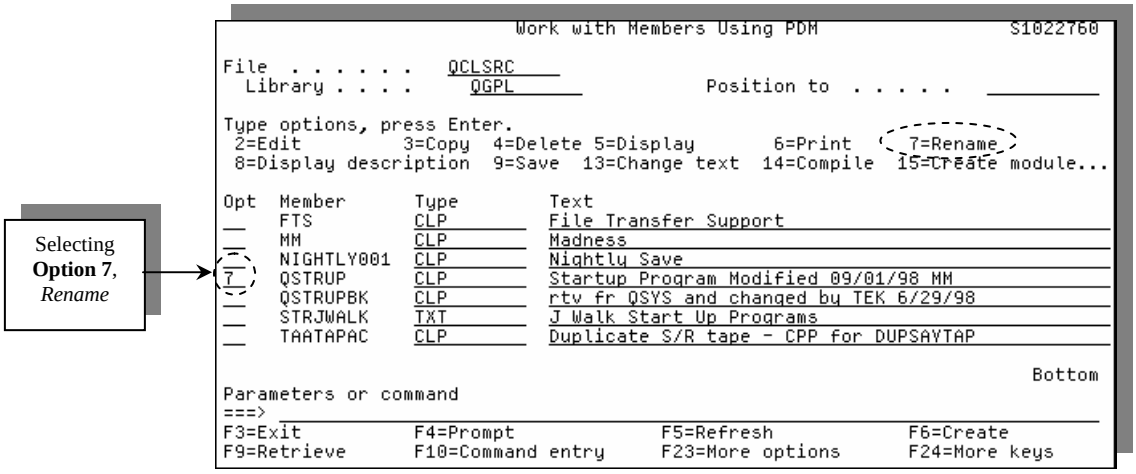


Figure 64: The Work with Members Using PDM window.

11. The **Rename Members** window will appear. Type **QSTRUPBK** in the ***New Name*** field and press **<Enter>**.

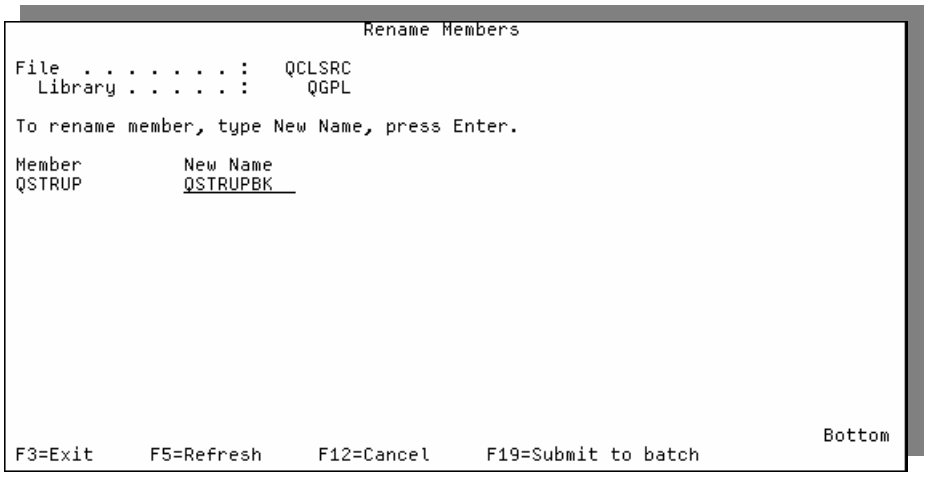


Figure 65: The Rename Members window.

12. The **Work with Members Using PDM** window will reappear. At the command line type **RTVCLSRC** and press **<F4>**. Fill in the following fields as listed below:

    Program: QSTRUP
    Library: QGPL
    ***Source*:** QCLSRC
    Library: QGPL
    Source Member: *PGM
    Press **<Enter>**.

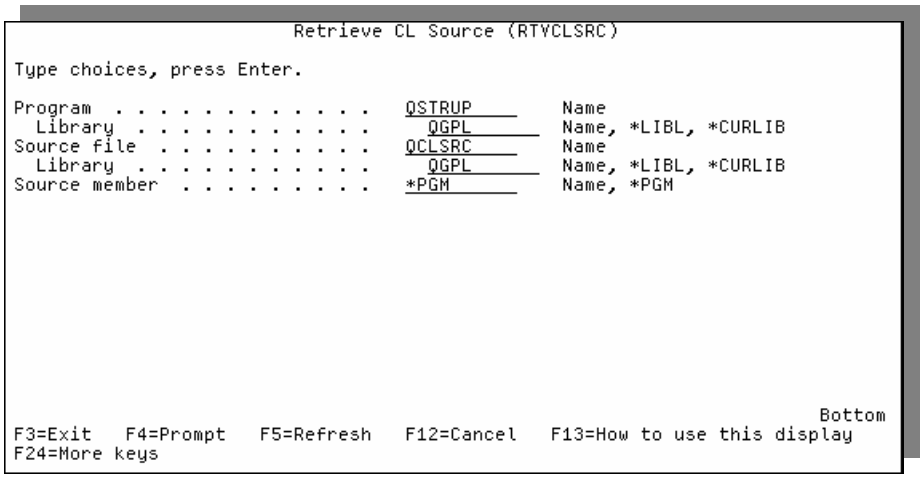


Figure 66: The Retrieve CL Source window.

13. The **Work with Members Using PDM** window will reappear. Type a "2" in the ***Option*** field next to program QSTRUP and press **<Enter>**. The **Edit** window will appear. Search for the last STRSBS command in the program. After the STRSBS command enter the lines **QSYS/STRTCP** and **MONMSG MSGID (CPF0000)**. If these already exist, do not enter them again. Following the **MONMSG MSGID (CPF0000)** line, add lines **DLYJOB DLY(120)** and **CALL STRJWALK**.

NOTE: Insert a line by putting an I on the line number and pressing **<Enter>**.

Once these lines have been added, press **<F3>** to exit. Verify that the ***Change/create member*** field is set to "Y" and press **<Enter>**.

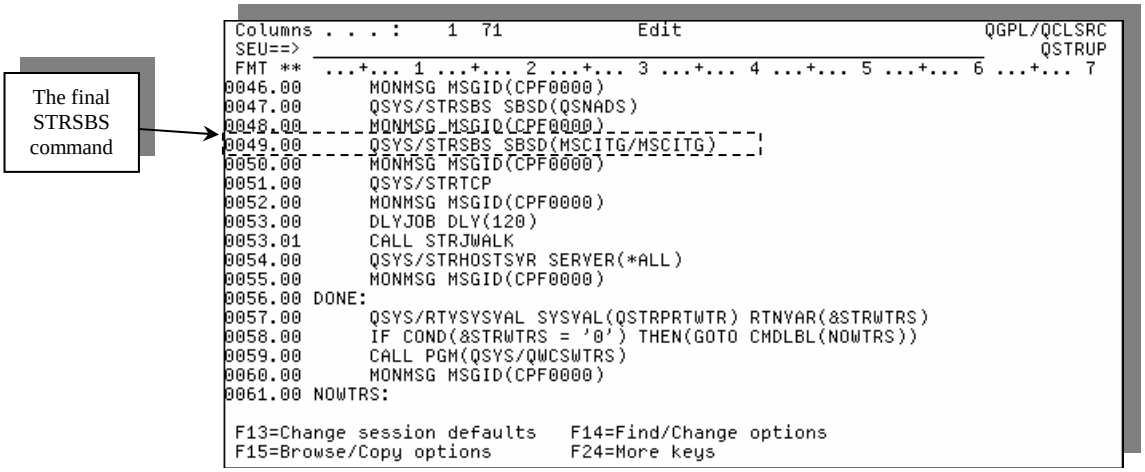


Figure 67: The Edit program window.

14. Compile QSTRUP and STRJWALK programs into the QGPL library.
15. This completes changing the IPL start up. It is recommended that they IPL the system while we are on-site to verify that it restarts correctly.