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# **JD Edwards World**

# **Web Enablement Guide**

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**Version A9.1/A9.2**

**Revised – November 15, 2010**

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# Contents

## 1 Overview

Overview to Web User Interface .....	1-1
New Look and Feel.....	1-3
Screen Types .....	1-3

## 2 General Layout

General Layout – Menu.....	2-1
Context Sensitive Menu .....	2-2
Context Sensitive Navigation Bar.....	2-3
Menu Options.....	2-4
Command Line.....	2-5
Links .....	2-5
General Layout – Dynamic Build Inquiry Screen .....	2-7
List Box Row Selection Options .....	2-8
General Layout – Single Record Inquiry/Update Screen .....	2-11
General Layout – Multiple Record Inquiry/Update Screen .....	2-13
General Layout – Popup Screens .....	2-15

## 3 Field Sensitive Help

Field Sensitive Help .....	3-1
Field Sensitive Help – Customer Search: .....	3-1
Field Sensitive Help – Calendar:.....	3-2
Field Sensitive Help – UDC Values: .....	3-2

## 4 Link Setup

Working with Links .....	4-1
URLs .....	4-2
Files .....	4-2

E-mails.....	4-3
Email/URL Revisions Example.....	4-4
<b>5 External System Access</b>	
Parameterized URL.....	<b>5-1</b>
<b>6 Session Resume</b>	
Session Resume .....	<b>6-1</b>
<b>7 Creating Custom Applications</b>	
Creating Custom Applications .....	<b>7-1</b>
Dynamic Build .....	7-1
<b>8 Creating a Customized Project</b>	
Creating a Customized Project .....	<b>8-1</b>
Getting Started .....	8-1
Setting Collector User Options .....	8-4
Setting Other User Options.....	8-5
Activating or Deactivating Indicators .....	8-6
Removing or Omitting Formats .....	8-7
Summary .....	8-20

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# 1 Overview



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# Overview to Web User Interface

JD Edwards World Web user interface is a graphical user interface (GUI) to the JD Edwards World business applications running on the IBM iSeries platform. The Web user interface presents screens in a graphical format via Internet. The Web user interface uses the 5250 data stream produced by the interactive JD Edwards World programs to create a new graphical front end, thus giving you the benefits of JD Edwards World application functionality and security presented in a user-friendly format. For customized JD Edwards World screens, a dynamically built panel will be displayed.

This guide outlines the use of the new JD Edwards World Web user interface.





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# New Look and Feel

The following two graphics show the difference between the original WorldVision product and the new JD Edwards World Web enablement.



Original WorldVision sign on screen



New JD Edwards World sign on screen – a new, lighter look and feel

The screen layout and colors reflect a new direction for JD Edwards World. These up-to-date graphics and layout standards use familiar navigation and usage methods used by other web-based applications. The following section classifies each new concept and explains how they are used in JD Edwards World.

## Screen Types

There are four screen types in the JD Edwards World Web user interface. Their layout and functionality differ from each other.

- Main screen for Menus
- Main screen using Dynamic Build
- Popup
- Popup with a list box



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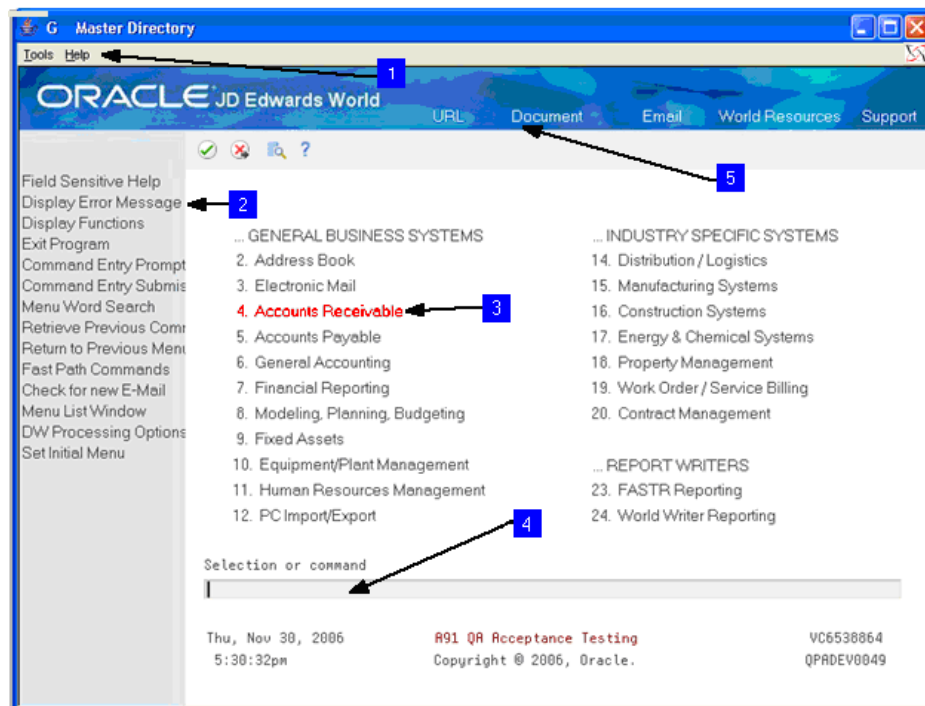
## 2 General Layout



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# General Layout – Menu

The following graphic displays the new menu layout and some important aspects of the new layout.



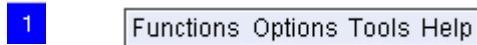
- 1 *Context sensitive menu* – different options are available, based on the screen selected. These menus work like standard pull-down menus.
- 2 *Context sensitive navigation bar* – the functions change based on the screen selected. Functions vary according to the screen.
- 3 *Menu options* – are now links. When you roll the mouse over a selection, it changes color. Click a link to access the link selected.
- 4 *Command line* – for entering fast-path commands, menu selection numbers, or iSeries commands.
- 5 *Links* – different links to access Oracle JD Edwards Support and World Resources pages. You can open an e-mail window, open an attachment (document), or go to a URL address.

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**Note:** The standard buttons from your web browser such as Back, Forward, and Home; will not work properly to navigate the JD Edwards World Web enablement.

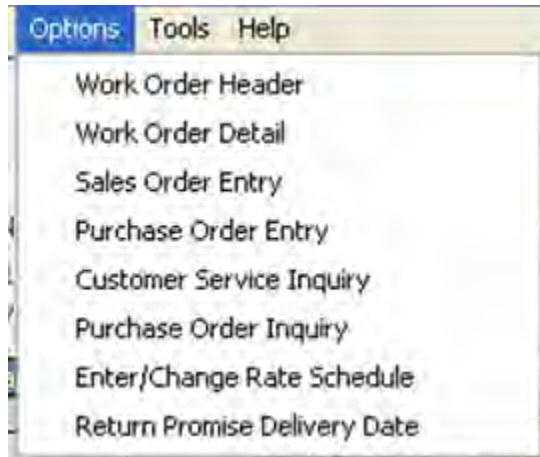
---

## Context Sensitive Menu



*Context sensitive menu* –allows you to access functionality that is not directly available on the screen. Options and functions might change, based on the current screen. The following table lists some options available for the context sensitive menu.

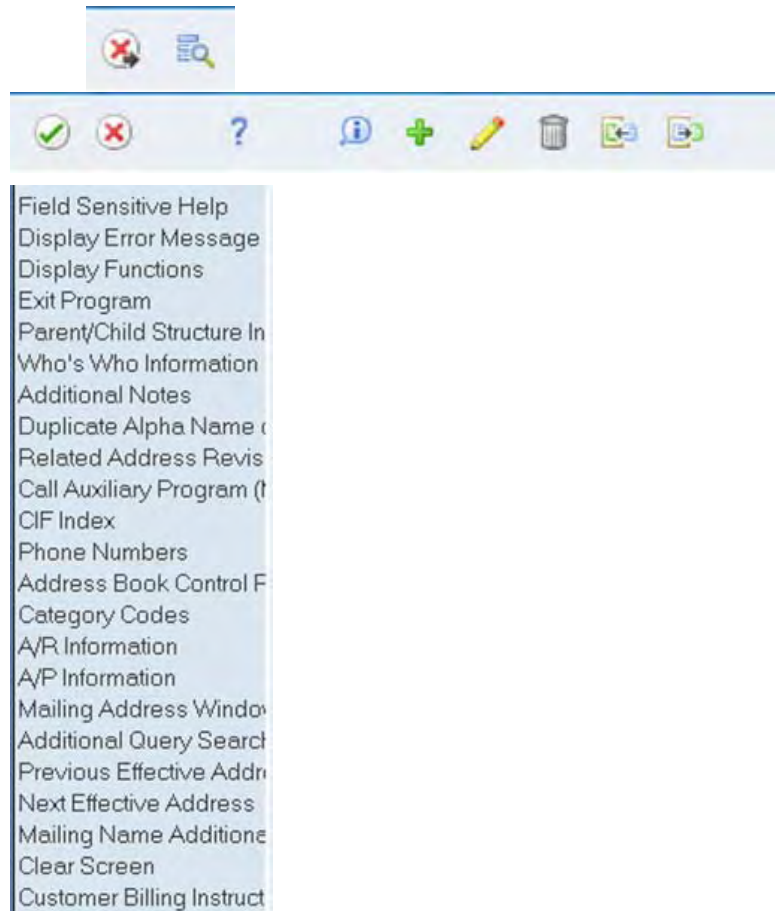
<b>Functions</b>	Change according to available functions of current screen (Functions might or might not display, based on the current screen)
<b>Options</b>	Change according to available options of current screen (Options might or might not display, based on the current screen)
<b>Tools</b>	Attention Program System Request Display Messages
<b>Help</b>	General Help Product Information



As you navigate through screens, the menu options change to reflect options available on the current screen. If you have an application with a list box, menu options are located either under the context sensitive menu area (right-click on list box row displays an options drop down) or as an option column (available on the list box used for the multi-select functionality). List box options are discussed in more detail later in this document.

## Context Sensitive Navigation Bar

**2** Example:



Function exits can be selected two ways:

1. As you hover over each entry in the navigation bar, the function exits highlight. Click the mouse to execute the selected function key.
2. Press 'F-Key' from the keyboard to execute the function.

As you navigate through the system, you will notice how all function keys available in iSeries applications, are available in the navigation bar. The navigation bar displays in main screens and lists all available functions. The list of function keys changes based on the screen you are viewing. Because of screen sizing limitations, the descriptions for some of the exits are truncated. To view a complete description, hover the cursor over one of these truncated options and a balloon appears with the full description of the option, including the corresponding 'F-key'.

For better optimization, after the function keys are retrieved, this information is placed in a cache for the remainder of the sign on session. If you want to clear the cache, you can choose 'Clear Cache' from the drop down Tools menu or simply signoff.



Works as the Enter key – same as the Enter key on your keyboard.



Signs you off the JD Edwards World Web enablement.



Exits the current application panel or returns to the previous menu panel.



Used for hidden selections (HS).



Help for an application or menu.



Inquire.



Add.



Change.



Delete.



Import data.



Export data.



Shows a list of valid values.



Page up.



Page down.



UPK

## Menu Options

3

*Menu Options* allow you to quickly navigate within JD Edwards World. As you hover over each active menu option, the color changes to red. A click of the mouse executes the selected option.



... GENERAL BUSINESS SYSTEMS	... INDUSTRY SPECIFIC SYSTEMS
2. Address Book	14. Distribution / Logistics
3. Electronic Mail	15. Manufacturing Systems
4. Accounts Receivable	16. Construction Systems
5. Accounts Payable	17. Energy & Chemical Systems
6. General Accounting	18. Property Management
7. Financial Reporting	19. Work Order / Service Billing
8. Modeling, Planning, Budgeting	20. Contract Management
9. Fixed Assets	
10. Equipment/Plant Management	... REPORT WRITERS
11. Human Resources Management	23. FASTR Reporting
	24. World Writer Reporting

The graphic above displays the mouse pointer directly over option 3. Moving the mouse over other options make them active. A single-click on an option takes you to the selected menu option.

## Command Line

4

In addition to navigating via menus, the command line is available as well. Instead of having to click on option 2 above, you can type a 2 in the command line and click the green checkmark (or press Enter). For users that know where they wish to go, Fast Path options remain available. Other than a click on a menu option, there are three ways to access the same location:

- Type the option number and press Enter
- Fast path – ‘Sales’ – takes you to menu G4211 – Sales Order Processing
- Menu name – for example: ‘2/G01’ – execute option 2, menu G01

If you are restricted to a series of menus or options, they will not display.

Processing Options – are still available when allowed by security. To access the processing options, you must enter the menu option number in the command line and click DW Processing Options (w/selection#) – F18 on the navigation bar.

## Links

5

URL	Document	Email	World Resources	Support
-----	----------	-------	-----------------	---------

*Links* – allows access to the Oracle JD Edwards World Resources and Support pages, to create and send an e-mail, to view an attachment, and go to a URL. See the following text file entries listed that need to contain the required information for the respective link to function as required.

Each link can be set up to use any one of the three types of access, e-mail (EML), attachment (DOC, PDF, EXE, EXC), or URL (URL).

The following table lists the links available:

<b>URL</b>	Changes according to text file entry OTHPATH1. To update text of push button URL, change text file entry, OTHTEXT1. Also, to update the type of the attachment, change text file entry, OTHTYP1. For attachment type URL, the path has to begin with http://
<b>Document</b>	<p>Changes according to text file entry OTHPATH2. To update text of push button Document, change text file entry, OTHTEXT2. Also, to update the type of the attachment, change text file entry OTHTYP2.</p> <p>For attachment type DOC, the path has to begin with file:// or http://</p> <p>Other document attachment types are PDF, EXE, and EXC for an MS Excel spreadsheet. The files for these three attachment types must be under the Docs folder on the J Walk Server. However, a .pdf, .exe, .xls, or any other extension type of file can also be accessed using attachment type DOC or URL by having the beginning of the path start with file:// or http:// The format for each is file://&lt;Computer Name or IP Address of PC&gt;/&lt;folder path to file&gt;/&lt;File name&gt; or http://&lt;Computer Name or IP Address of PC&gt;/&lt;folder path to file&gt;/&lt;File name&gt; respectively.</p>
<b>Email</b>	Changes according to text file entries EMAILTO, EMAILADR, EMAILSUB, and EMAILBODY, or OTHPATH3 will contain the "To" e-mail address and OTHTYP3 contains the type of the attachment. If there is a mailto: path, it can contain other parameters for the e-mail, such as, mailto: client@oracle.com&subject=Test of EMALSEP&body=insert text of body here, where using the text file entry EMALSEP contains the default parameter separator, &. To update text of push button Email, change text file entry, OTHTEXT3. For attachment type EML, the path must begin with mailto:
<b>World Resources</b>	Accesses JD Edwards World issues or notices. To update text of push button World Resources, change text file entry, OTHTEXT4. To update path of this push button, change text file entry OTHPATH4. Also, to update the type of the attachment, change text file entry OTHTYP4.
<b>Support</b>	Creates a JD Edwards World support case online. To update text of push button Support, change text file entry, OTHTEXT5. To update path of this push button, change text file entry OTHPATH5. Also, to update the type of the attachment, change text file entry OTHTYP5.

# General Layout – Dynamic Build Inquiry Screen

A dynamic build screen is dynamically built matching the screen field positioning. Inquiry screens are typically used to search for a particular record. Using search criteria to narrow down search sizes, a limited number of records are returned, from which a user can choose the one they are looking for.

In general, there are several similarities to the menu screens: The navigation bar appears to the left of the screen. Because the navigation bar is context sensitive, the options change as required for the screen. The graphic below displays the Address Book search list box. Its components are outlined below.

**search criteria entry fields.**

01200  
Alpha Name  
Business Unit  
Category Code/Cat Code #  
Cons Code  
State  
Century  
Postal Code  
Phone Number  
ST








Person/Corp  
Search Type

OP

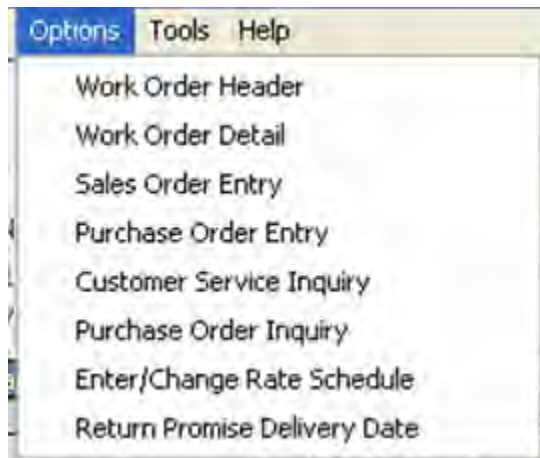
Abbot, Dominique	303	753-5608	E
A/B Default Revisions			C
A&B Electric Motor Service	303	744-7554	C
Abernathy & Hitch	212	234-1887	T
ABF Freight Systems	303	555-2795	V
Able Bakery Company	916	5431145	C
Able, Robert/Helen	303	644-1101	T
acceptance test 91, acceptance			E
Acceptance test 9.1, Allice			E
acceptance10 9.1, accept A.			E
acceptance 11 9.1, A A.			E
acceptance 3 9.1, A			E
acceptance4 9.1, accept			E
acceptance5 9.1, accept			E
acceptance6 9.1, acceptance			E
acceptance7 9.1, accept A.			E
acceptance 8 9.1, accept A.			E
acceptance9 9.1, accept A.			E

Opt: 1=AB 4=Sel 8=CIF 9=Phone F5=Col 2 Fnt F8=Bank F16=Query F24=More

- 1 *Context sensitive menu* – shows options appropriate for a list box screen. The 'Options' selection will be discussed in more detail below.
- 2 *Context sensitive navigation bar* – the functions are now appropriate for this particular screen. Navigation bar functions are typically exits to another program or exit from the program. Click Exit or press 'F-Key'.

- 3** *Subfile information display* – use to display multiple lines of data. When you type a search criteria and click the green check mark (or press Enter), the subfile information with the resultant data displays.
-  Works as the Enter key – same as the Enter key on your keyboard.
-  Exits the current application panel.
-  Help for an application or menu.
-  Shows a list of valid values.
-  Page up.
-  Page down.
-  UPK

## List Box Row Selection Options



To access functionality specific to a list box, choose the row you want by a single-click on top of it. Next, go to the context sensitive menu and click Options.

There are two types of results for list box row selections:

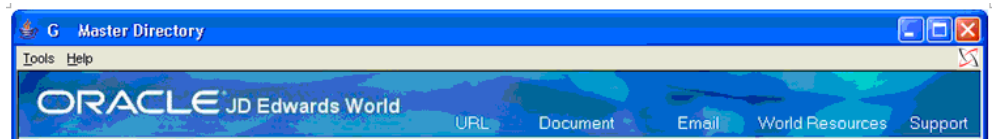
1. All options are available.
2. 'None Available' indicates no selection options are available for this list box.

The list of options is specific to each List box. The first option in the list, in this example 'Address Book', is the 'Default Option'. When you double-click on a row, this default option will be executed. To change the default option, change the sequence of the options in Vocabulary Overrides and place the option that you want to be the default option first in the list.

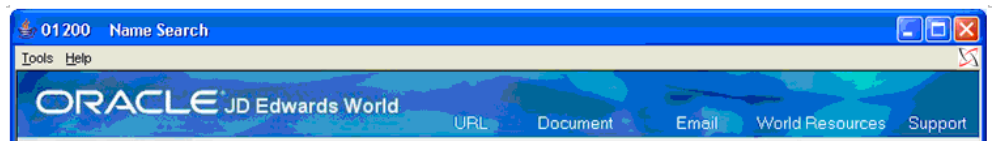
For better optimization, after the selection options are retrieved, this information is placed in a cache for the remainder of the sign on session. If you want to clear the cache, you can choose 'Clear Cache' from the drop down Tools menu or simply signoff.

**Note:** Look closely at the title bar from the following two screens.

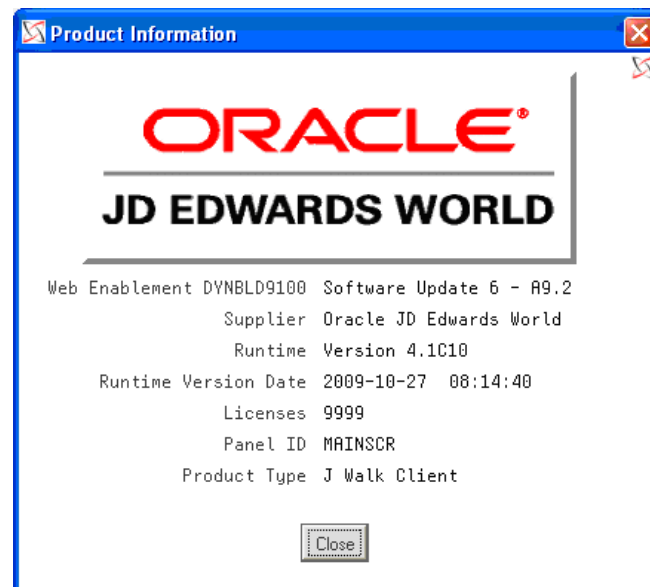
In the menu screen, it reads: 'G Master Directory'. In the following example, it is the menu identifier – it changes to the menu name you have navigated to.



In the dynamic build inquiry screen, it reads: '01200 Name Search'. In the following example, it changes to the screen name. This information is crucial for problem resolution.



For problem resolution, click Help on the menu bar and then click Product Information.



<b>Name of Project for Displayed Panel</b>	Web Enablement DYNBLD9100/Software Update 6 - A9.2, JD Edwards World GUI Version.
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<b>Supplier</b>	Name of Supplier for project panels displayed.
<b>Version Name</b>	Time and date of published executable file (.JWR).
<b>Runtime Version</b>	J Walk Client runtime version.
<b>Licenses</b>	Number of licenses is always unlimited, 9999.
<b>Panel ID</b>	Name of the panel displayed.
<b>Product Type</b>	“J Walk Client” for a Java Client, “J Walk HTML Client” for an HTML Client, “J Walk Windows Client” for a Windows Client.

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# General Layout – Single Record Inquiry/Update Screen

Inquiry/Update screens for a single record allow the user to inquire or modify the data and add new records. The most apparent difference for users of the JD Edwards WorldVision product versus the new web deployment will be the inclusion of the 'Action Code' field. For Inquiry, the user can enter an 'I' in the Action code field or click on the respective action code icon. To add: 'A', green plus sign, delete: 'D', gray trash can, update: 'C' (for Change), pencil, import: "F", import icon, and export: "T", export icon. An example appears below.

- 1** *Context sensitive menu* – shows only system options, as all of the detail exits are listed in the navigation bar.
- 2** *Context sensitive navigation bar* – in this case, all the application exits refer to the current record, that is, if you choose to view 'Who's Who' information, it will be specific to the record currently displayed. Click Exit or press 'F-Key'.
- 3** *Links* – different links to access Oracle JD Edwards Support and World Resources pages. You can open an e-mail window, open an attachment (document), or go to a URL address.



Works as the Enter key – same as the Enter key on your keyboard.



Exits the current application panel.



Help for an application or menu.



Inquire.



Add.



Change.



Delete.



Import data.



Export data.



Shows a list of valid values.



Page up.



Page down.



UPK



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# General Layout – Multiple Record Inquiry/Update Screen

Inquiry/Update screens for multiple records allow the user to inquire or modify the data for more complex transactions. Documents such as Sales Orders, Purchase Orders, Work Orders, and so on; take the form of header/detail transactions. These typically have a block of data common to all of the line items; therefore this information is placed into the header. The combinations of these individual line items make the complete transaction. These screens are also used to add new records. Once more, the layout is effectively the same – the context sensitive navigation bar to the left, context sensitive menu options, and the data displayed for the user.

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**Note:** Some screens might have the options as columns in the list box. If this is the case, there will be no options available in the context sensitive menu. The option column allows multiple-selections of rows/records. To view options available, click the option column area and choose Field Sensitive Help or the visual assists in the upper-right or lower right-hand corner on the Navigation Bar.

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9801 Software Versions Repository

Tools Help

ORACLE JD Edwards World

URL Document Email World Resources Support

Field Sensitive Help  
Display Error Message  
Display Functions  
JDE Command Line  
Exit Program  
Repository Services  
Optional File Information  
Redisplay Previously C  
Checklists  
Member Category Code  
Member Parameter/Key  
Where Used (Cross Rel  
Position Cursor to Action  
Maintain Replacement F  
Previous Member  
Next Member  
Clear Screen  
Flowchart Pgms/ Illustra

9801 Software Versions Repository

Action Code: I  
Member ID: P420111  
Description: Order Release  
Function Code: RPG RPG Programs  
Function Use: 112 Transaction Proc.  
Product Code: 42 Sales Management  
Reporting System: 42 Sales Management  
Base Member Name: P420111  
Maint/RSTDSP: ☐ Unit Option ☐ File Prefix  
Copy Data (Y/N): N Optional File ☐ Generation Seq: 21  
Common File ☐

DREAM Writer Form Exists

Source	Object	Source	SAR	Version	S	D	User	Date	
P	Library	Library	File	Number	ID	C	P	ID	Modified
	JDFS73FIX	JDF073FIX	JDESRC	5	A7P	1	JDE		10/29/00
	JDFS73119	JDF073119	JDESRC	5	A91	1	JDE		11/11/06

Opt: 1=Browse 2=Edit 3=Copy 5=SAR 8=Print 9=Dlt 10=Design 14=Crt



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# General Layout – Popup Screens

Popup windows take up an entire screen. These screens have a relatively small amount of information that pertains directly to the task. You can always recognize a popup, as there is no navigation bar down the left side of the screen. All of the exits are listed under the functions drop-down menu. If the popup contains a list box, the row options will also be contained in the menu bar or as a column within the list box. The following graphic is an example:

42025W Sales Ledger Detail

Functions Tools Help

✓ ✕ ? 🔍

Order Company 00000

Order Number 19238 SO Cust PO

Line Number 1.000 Item M001

Branch/Plant 30 Desc Markette Red Highlighter

Currency Code USD

Exchange Rate

	Quantity	UM	Unit Price	UM	Amount
Ordered	100	EA	1.1900		119.00
Shipped	100				119.00
Invoice	780				
Last/Next Sts	600	610			

Original Order

Rel. PO/SO/VO

User ID DEMO

Terminal ID J42581\_003

Program ID P42581

Date Updated 07/16/93

Time of Day 08:16:12



Works as the Enter key – same as the Enter key on your keyboard.



Exits the current application panel.



Help for an application or menu.



Shows a list of valid values.



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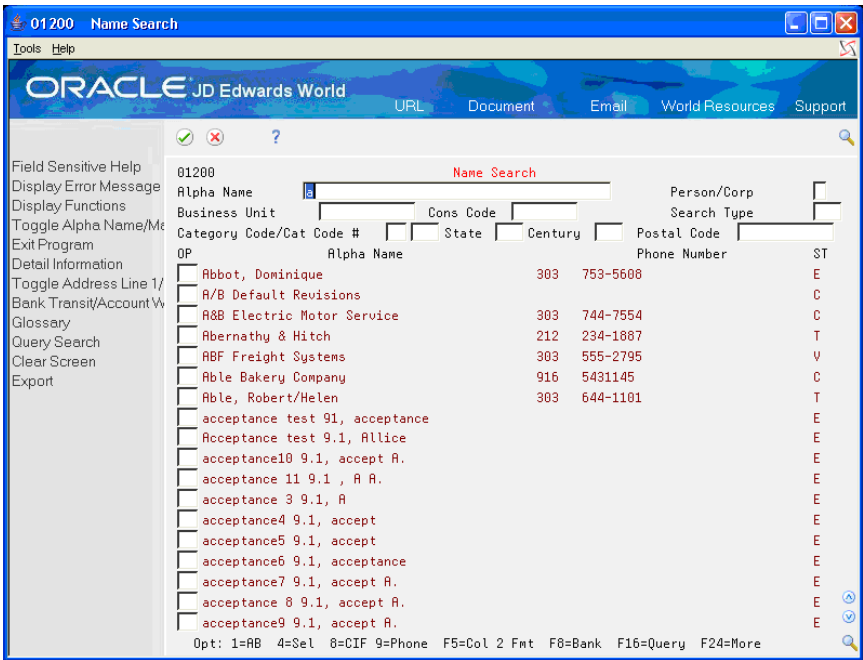
## **3 Field Sensitive Help**



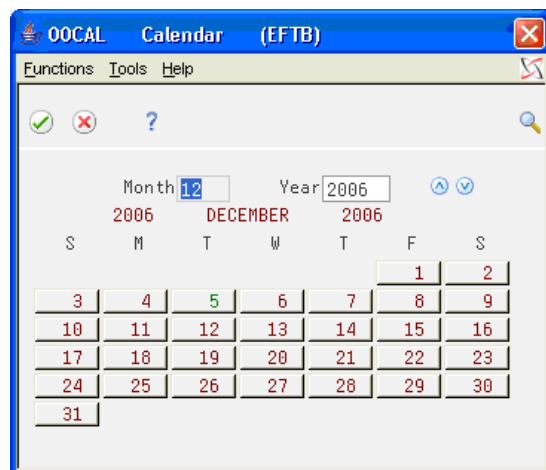
# Field Sensitive Help

Field sensitive help is available on all screens. To be effective, the cursor must be in an input field. By selecting Field Sensitive Help or the visual assists (magnifying glass), the appropriate application is invoked for the field. For example, a date field has a calendar application attached. The Address Book Number field displays a 'Name Search' application to allow users to search for customers, suppliers, and so on. The Document Type field allows users to search for the correct document type identifier. Some examples are shown below.

## Field Sensitive Help – Customer Search:



## Field Sensitive Help – Calendar:



## Field Sensitive Help – UDC Values:



Works as the Enter key – same as the Enter key on your keyboard.



Exits the current application panel.



Help for an application or menu.



Shows a list of valid values.



Page up.





Page down.



---

## 4 Link Setup

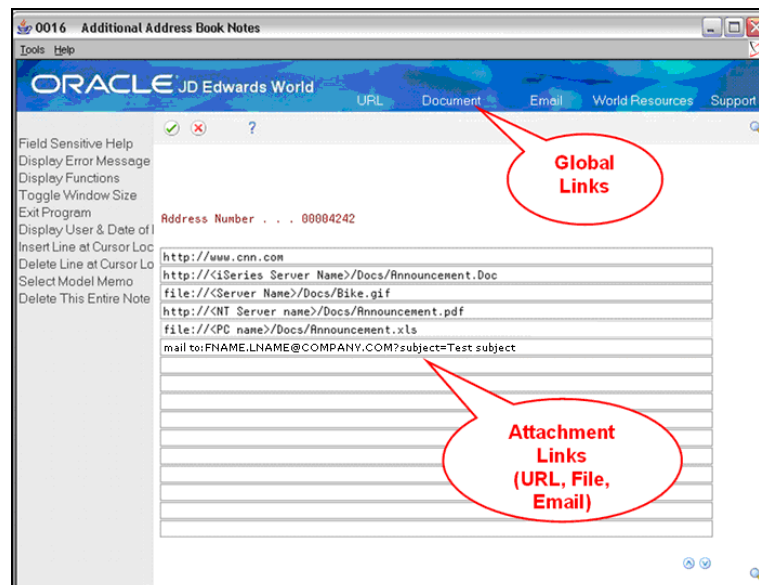


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# Working with Links

There are two types of links you can use in JD Edwards World software. They include the global links in the header portion of the screen or an attachment link in an input-capable field.

There are several ways to set up and access a URL, e-mail address, and file attachments. JD Edwards World screens can contain more than one of these three types of attachment links. To set up an attachment link, you can enter the text for the attachment link in an input-capable text field. Right-click on an input capable field to display the attachment link options, if available for that field. The most common place for free-form text is a Generic Text screen. Attachment links can extend beyond one field on a screen which has full-line input fields with no gap between the fields, such as the Generic Text screens.



There are two methods of activating links. You can click on the URL, Document, or Email global links in the header portion of the screen. These attachment links are set up using the text file entries listed in the Links section above. Additionally, you can right-click on the attachment link in an input-capable field. A menu displays from which you can choose URL Open/Email or Document for the items you have set up for a URL, e-mail, and document. JD Edwards World recommends that you use the second method when you have more than one attachment link of the same type of link on a screen.

## URLs

The system recognizes a URL attachment link when a text string begins with the characters `http://`. Follow these characters with the Web address as follows:

`http://<Web Address>`

Replace `<Web Address>` with a Web site address.

After you enter the URL attachment link in an input-capable field, you can right-click on the attachment link to access the drop down menu and choose URL Open/Email to access the Web site through your Windows browser.

## Files

You can use file attachment links to access a file which you can view using your Windows browser. The types of documents include word processing documents, spreadsheets, image formats, presentations, and many other file types. The system recognizes a file attachment link when a text string begins with the characters `http://` or `file://`. The text string you use depends on the location of the file which must be in a shared network folder. Examples follow:

- For file on an iSeries:

`http://<iSeries Server Name>/<Folder Path>/<File Name>`

Where `<iSeries Server Name>` is the iSeries network name, `<Folder Path>` is the iSeries IFS shared folder path, and `<File Name>` is the name of the file to which you are linking. The J Walk administrator must verify that the file is on the HTTP home page folder for your HTTP server. They must access the J Walk Deployment area using the iSeries IFS and locate `/www/apachedft/htdocs/Docs`. When using the IBM HTTP Server for iSeries with Apache software, enter the following: `http://<iSeries Server Name>/Docs/<File Name>`. The text string might vary depending on your system configuration. Contact Oracle Support, JD Edwards World Technical for assistance.

- For files on a Windows server or PC with the J Walk server:

`http://<Windows Server Name>/<Folder Path>/<File Name>`

Where `<Windows Server Name>` is the Windows server or PC network name, `<Folder Path>` is the shared folder path, and `<File Name>` is the name of the file to which you are linking. The J Walk administrator must verify that the attachment file is on the HTTP home page folder for your HTTP server. They must access the J Walk Deployment area on the primary drive (for example, C: or D:) where the HTTP Server resides, primary drive/`inetpub/wwwroot/Docs` or `/Program Files/Apache Software Foundation/Apachex.x/htdocs/Docs`. When using the Windows IIS HTTP Server or the Apache HTTP Server, enter the following: `http://<Windows Server Name>/Docs/<File Name>`. This text string might vary depending on your system configuration. Contact Oracle Support, JD Edwards World Technical for assistance.

- For files on a Windows Server or PC that *does not* contain a J Walk server:

`file://< Windows Server Name>/<Folder Path>/<File Name>`

Where *<Windows Server Name>* is the Windows server or PC network name, *<Folder Path>* is the shared folder path, and *<File Name>* is the name of the file to which you are linking.

After you enter the file attachment link in an input-capable field, you can right-click on the attachment link to access the drop down menu and choose Document to open the file through your Windows browser. Your browser might ask for confirmation when you attempt to open a file. Following is an example of a confirmation window in Microsoft Internet Explorer Version 7.



## Emails

The system recognizes an e-mail attachment link when a text string begins with the characters `mailto:`. Follow these characters with the e-mail address as follows:

`mailto:<e-mail address>`

Where *<e-mail address>* is an e-mail address.

After you enter the e-mail attachment link in an input-capable field, you can right-click on the attachment link to access the drop down menu and choose URL Open/Email to open the Windows e-mail program.

You can add additional text to your e-mail attachment link, such as a carbon copy (cc:) e-mail address, a subject, or the body of the email.

- To add a carbon copy, use the text string `&cc=`, as follows:

`mailto:<e-mail Address>&cc=<CC e-mail Address>`

Where *<e-mail Address>* and *<CC e-mail Address>* are e-mail addresses.

- To add a subject, you can add the text string `&subject=` as follows:

`mailto:<e-mail Address>&subject=<Subject>`

Where *<e-mail Address>* is an e-mail address and *<Subject>* is the text for the e-mail's subject line.

- To add body text, you can add the text string `&body=` as follows:

mailto:<e-mail Address>&subject=<Subject>&body=<Body Text>

Where <e-mail Address> is an e-mail address, <Subject> is the text for the e-mail's subject line, and <Body Text> is the text string for the body of the e-mail.

- To add a carbon copy, subject, and body text, use the path as follows:

mailto:<e-mail Address>&cc=<CC e-mail Address>&subject=<Subject>&body=<Body Text>

Where <e-mail Address> and <CC e-mail Address> are e-mail addresses, <Subject> is the text of the e-mail subject line, and <Body Text> is the text of the body of the e-mail.

## Email/URL Revisions Example

You can use any of the attachment links in the Email/URL Revisions program (P01018). The screen for this program is dynamically built.

01018 Email/URL Revisions

Tools Help

ORACLE JD Edwards World

URL Document Email World Resources Support

Field Sensitive Help  
Display Error Message  
Display Functions  
Exit Program  
Who's Who Information  
Send/Browse email/URL  
Generic Text  
Clear Screen

01018 Email/URL Revisions

Action Code

Address Number 1001 Edwards, J.D. & Company

Who's Who Line

Email/URL Type 1 1 - Email, 2 - URL

Email/URL Cat C. MAIN Default address for email/URL

Email/URL Line 1

Description J.D. Edwards & Company

Email or URL  
mailto:jde@oracle.com

F5=Who's Who F6=Send Email/Browse URL F14=Generic Text F24=More Keys



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## **5 External System Access**



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# Parameterized URL

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**Note:** Parameterized URL processing is only available when using JD Edwards World A9.2 or above.

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Parameterized URL is the functional process that allows external systems to launch a native JD Edwards World application through the use of a simple URL. The functionality provides an external system a near seamless user interface integration with most JD Edwards World applications.

The Parameterized URL process simulates an interactive web user interface with JD Edwards World applications (similar to the way modern applications communicate through the use of a URL) using the LegaSuite GUI (formerly J Walk) Web Enablement product.

An interactive request initiates a Web Enablement session within JD Edwards World and then allows users to interact with the results and/or proceed to other JD Edwards World applications.

There are two options for access to JD Edwards World using Parameterized URL:

- Option one does not use Session Resume, the system requires users to signon every time when a Web Enablement session is initiated (each time a parameterized URL is executed)
- Option two utilizes Session Resume. Session Resume *parks* a session when the browser window is closed, then when JD Edwards World is accessed again, the system reuses the current active session and returns the user to the previous panel. A timer is set to keep the current Web Enablement session active. A parameterized URL call can reuse an active session, so the user does not have to sign in each time a call to JD Edwards World is issued

Users can initiate access to a JD Edwards World application using custom web links. These web links are set up by an administrator using the instructions in *Appendix P – Parameterized URL* in the JD Edwards World A9.1/A9.2 *Web Enablement Installation and Configuration Guide*.

When you select the custom web link, the system opens a custom tab or new browser window, depending on the setup of the web link, to display the JD Edwards World application.

If Session Resume is used, upon the first invocation of a JD Edwards World application, users are required to sign in to a valid JD Edwards World environment. When you exit the customer tab or browser window, the user's session is *parked*. Upon subsequent invocations, the Session Resume feature of Web Enablement is used, therefore, no additional sign in is required.

The fields for the requested application are preloaded, based on the data passed through the URL. Users have access to all the features in this application, just as if the users had accessed the application directly from the JD Edwards World system.

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## 6 Session Resume



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# Session Resume

Session Resume allows users to reuse an active Web Enablement session. A timer can be set to keep the session active.

If Session Resume is used, upon the first invocation of a JD Edwards World application, users are required to sign in to a valid JD Edwards World environment.

If users close the browser tab or window, the session is *parked*.

Upon subsequent invocations, the Session Resume feature of Web Enablement is used, which returns users to the active session at the point at which the users left it. No additional sign in is required.

This functionality is set up by an administrator using the instructions in *Appendix O – Session Resume* in the JD Edwards World A9.1/A9.2 *Web Enablement Installation and Configuration Guide*.





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## **7 Creating Custom Applications**



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# Creating Custom Applications

## Dynamic Build

Several customers have either modified JD Edwards World applications or created custom applications to fill the functionality gap for their organizations. For those applications that do not have a custom screen designed for it in J Walk, the dynamic build process of J Walk allows you to access these for most applications (some panels require custom panels to achieve the desired look and feel, such as screens wider than 132 characters and popup windows). If the customer wants to create their own customized panels, JD Edwards World has provided a series of templates that will give a look and feel of unconverted applications similar to that of converted applications. When the J Walk server finds an unconverted screen, the dynamic build process renders the screen as best as possible. There may be differences. However, you can deploy the new updates without fear of losing application functionality.

For the applications in which you create custom popup windows, you can make updates to the JD Edwards World Software RPG window video source code and JD Edwards World Web Enablement dynamically builds and displays a generic popup window.

### To create custom popup windows

1. Add ... (three periods) to the end of the first row of code for the popup window.  
Enter the three periods in row 1 within the columns as indicated in the following table. This table also includes 16 generic popup sizes to update any popup window size. If there are existing defined fields in this area, you must move these to another row or area on the popup window. You must convert popup windows that have 21 or 22 rows to full screens.

Popup Window Number of Rows	Popup Window Number of Columns	Three Periods within Columns
7	40	38 - 40
10	40	38 - 40
10	50	48 - 50
10	62	60 - 62
10	74	72 - 74
10	76	74 - 76

Popup Window Number of Rows	Popup Window Number of Columns	Three Periods within Columns
15	40	38 – 40
15	50	48 – 50
15	62	60 – 62
15	74	72 – 74
15	76	74 – 76
20	40	38 – 40
20	50	48 – 50
20	62	60 – 62
20	74	72 – 74
20	76	74 – 76

If you must add rows or columns to the popup window in order for it to match one of the 16 generic popup sizes, then you must continue with the following steps.

2. Change the row for the VDL24 field to one less than the standard row size.
3. Change the row for the ASSUME record to one more than the row size for the VDL24 field.

```

Columns . . . : 1 71      Browse      JDFSRC91/JDESRC
SEU==>      V52MK
FMT DP .....AAN01N02N03T.Name+++++RLen++TDpBLinPosFunctions+++++
0222.00 → A      VDL24      48A 0 19 2TEXT('Line 24 Text
0223.00      A 93      DSPATR(RI)
0224.00      A 01      ERRMSGID(JDE9980 QJDEMSG)
0225.00      A N02      COLOR(BLU)
0226.00      A 02      COLOR(YLW)
0227.00      A      R ASSUME
0228.00      A      ASSUME
0229.00 → A      20 2' '
***** End of data *****

F3=Exit  F5=Refresh  F9=Retrieve  F10=Cursor  F11=Toggle  F12=Cancel
F16=Repeat find  F24=More keys

```

4. Compile the JD Edwards World Software video source.
5. If you add rows or columns to the popup window, you might need to alter the field values for VDROW, VDCOL, or other fields that contain ROW or COL depending on the functionality of the program source.
6. Compile the program source for the popup window.





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## **8 Creating a Customized Project**





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# Creating a Customized Project

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**Note:** When creating customized applications, it is necessary to have a fundamental understanding of the J Walk Development Kit (JDK) provided by Seagull.

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## Getting Started

Ensure to have SEAGULL J Walk Developer installed on a PC and the SEAGULL J Walk Collector onto your iSeries.

<b>MAIN</b>	<b>OS/400 Main Menu</b>	<b>System: DENIS5</b>
<b>Select one of the following:</b>		
1. User tasks		
2. Office tasks		
3. General system tasks		
4. Files, libraries, and folders		
5. Programming		
6. Communications		
7. Define or change the system		
8. Problem handling		
9. Display a menu		
10. Information Assistant options		
11. Client Access/400 tasks		
90. Sign off		
<b>Selection or command</b>		
==> <u>SEACOL/COLLEC</u>		
<hr/>		
F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Information Assistant		
F23=Set initial menu		

To access the SEAGULL Collector, sign on to your iSeries using QSECOFR and type the following on a command line: SEACOL/COLLEC Press Enter.

```

                WELCOME TO SEAGULL COLLECTOR

ALL TERMS AND CONDITIONS AS STATED IN THE SEAGULL SOFTWARE LICENCE
AGREEMENT ALSO APPLY TO THE SEAGULL COLLECTOR.

THE SEAGULL COLLECTOR OUTPUT MAY NOT BE USED FOR OTHER PURPOSES
THAN AS INPUT FOR FURTHER PROCESSING ON PC
BY SEAGULL PRODUCTS

(C) COPYRIGHT 1993-2003 SEAGULL BUSINESS SOFTWARE B.V.
    ALL RIGHTS RESERVED.

F1=Help  F3=Exit  F12=Cancel

a
                                01/001

```

Press Enter to accept the message displayed above.

```

SEAGULL Collector                Main Screen

SEAGULL Collector Version . . . : 4.23
Current Library . . . . . : QGPL

    The library list shown below will be used to collect

Sequence      Sequence      Sequence
Number      Library      Number      Library      Number      Library
010          QGPL        120          QGPL        230
020          QGPL        130          QGPL        240
030          QTEMP       140          QGPL        250
040
050
060
070
080
090
100
110
120
130
140
150
160
170
180
190
200
210
220
F1=Help  F3=Exit      F12=Cancel      F16=Edit library list
F17=Change current library  F18=User options  F19=Retrieve previous list
(C) COPYRIGHT 1993-2003 SEAGULL BUSINESS SOFTWARE B.V.  ALL RIGHTS RESERVED

```

To implement the Collector, change the library list entries and User options.

```

Change Current Library (CHGCURLIB)

Type choices, press Enter.

Current library . . . . . jdfjwalk_   Name, *CRTDFT

                                                                 Bottom
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys

```

Press F17. The screen above displays.

Change the current library to be the target library. The target library is where all of the display files are stored. It is recommended to copy only the display file objects that you want to convert, to a temporary work library. This library can be deleted when you finalize the steps for creating a customized project.

Press Enter to accept your library change. The system takes you to the primary collector screen.

```

SEAGULL Collector                               Main Screen

SEAGULL Collector Version . . : 4.23
Current Library . . . . . : JDFJWALK

The library list shown below will be used to collect

Sequence      Library      Sequence      Library      Sequence      Library
Number        Number        Number        Number        Number        Number
010           010           120           120           230           230
020           020           130           130           240           240
030           030           140           140           250           250
040           040           150           150
050           050           160           160
060           060           170           170
070           070           180           180
080           080           190           190
090           090           200           200
100           100           210           210
110           110           220           220

F1=Help  F3=Exit      F12=Cancel      F16=Edit library list
F17=Change current library  F18=User options  F19=Retrieve previous list
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```

Press F16 to edit the library list – sequence 20 is the target library. Sequence 30 must be the library that contains the control files for your version of JD Edwards World software.

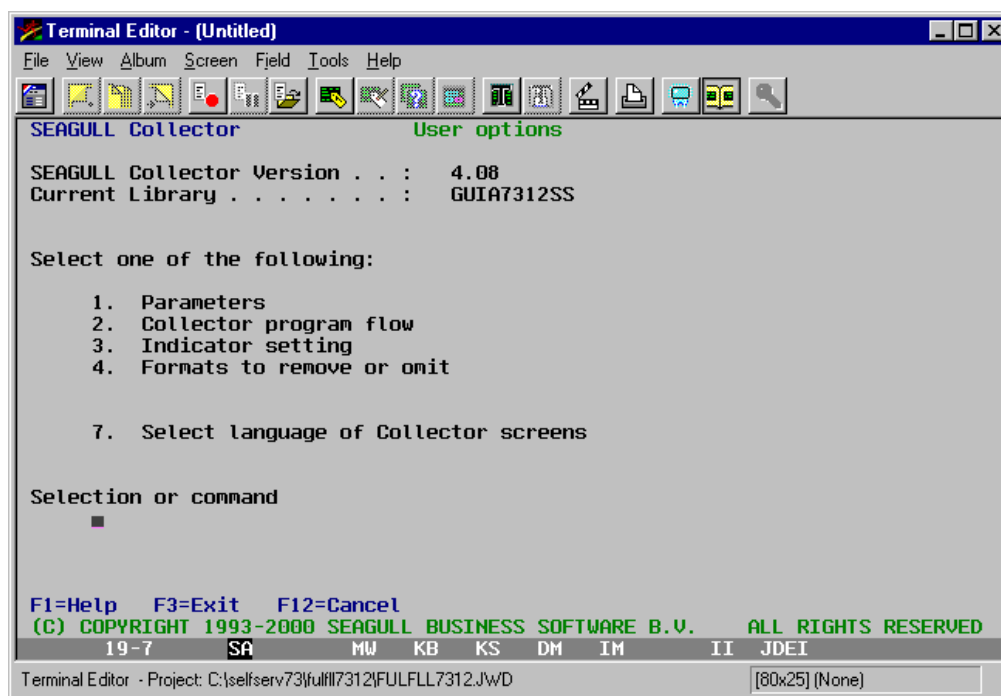
Press Enter to accept the changes. The system takes you to the primary collector screen.

After the primary collector screen, press F18. User Options main menu displays.

## Setting Collector User Options

The following procedure describes how to set the user options for the Collector run.

### To set Collector user options



1. Press F18 on the main menu to display the User Options menu.
2. Type 1 on the User Options menu to set the Parameters.

SEAGULL Collector		User options - parameters	
SEAGULL Collector Version . . . : 4.08			
Current Library . . . . . : A81WV06			
Combine record formats starting from row . . .	<u>21</u>	0-27	
Combine consecutive single row formats . . .	<u>0</u>	0=No, 1=Yes	
Omit empty record formats . . . . .	<u>1</u>	0=No, 1=Yes	
Omit record formats only containing blanks . .	<u>0</u>	0=No, 1=Yes	
Ignore <CLRL> keyword in combine phase . . .	<u>0</u>	0-5	
Include PULLDOWN formats . . . . .	<u>0</u>	0=No, 1=Yes	
Include secondary display sizes . . . . .	<u>0</u>	0=No, 1=Yes	
Last Collector run in this environment . . . :	040621	YYMMDD	
Only handle objects created since . . . . .	<u>000000</u>	YYMMDD,	
		000000=all	
Collect on objects . . . . .	<u>2</u>	0-2	
Reset original library list . . . . .	<u>1</u>	0=No, 1=Yes	
Run process interactive . . . . .	<u>0</u>	0=No, 1=Yes	
Prompt when submitting job <COLLECTOR> . . .	<u>0</u>	0=No, 1=Yes	
F1=Help F3=Exit F12=Cancel			
(C) COPYRIGHT 1993-2000 SEAGULL BUSINESS SOFTWARE B.V. ALL RIGHTS RESERVED			

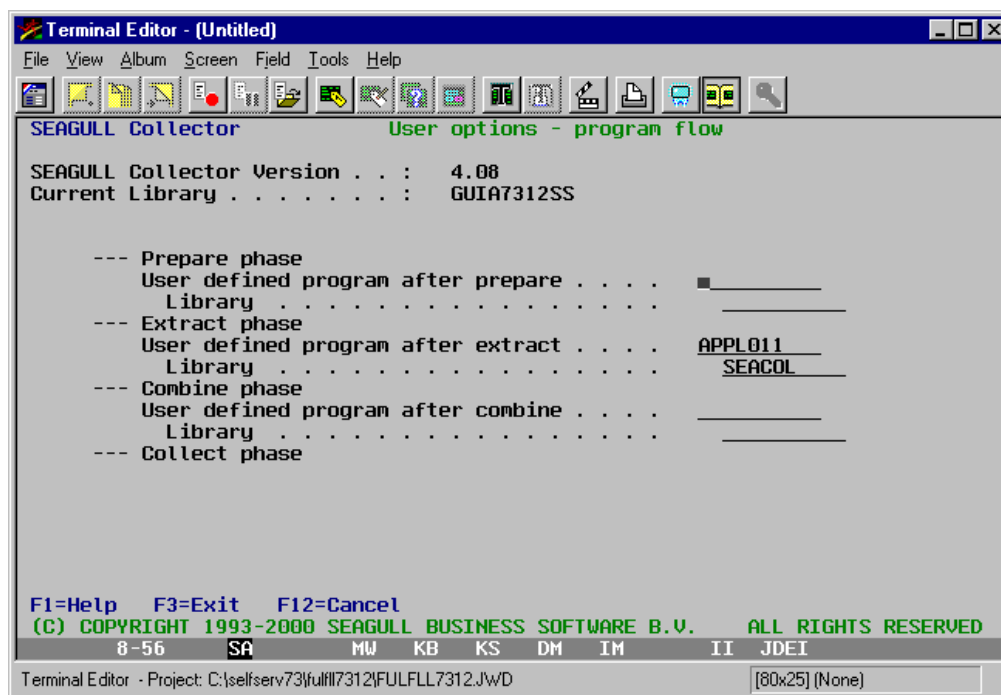
3. Change the 'Combine record formats starting from row' to 21.
4. Change the "Collect on objects" to 2.
5. Press Enter to return to the User Options menu.

## Setting Other User Options

You can set other user options, including the program for the extract phase and the library that stores the program.

### To set other user options

1. Type 2 on the User Options menu to display the User options - Collector program flow.
2. Type SEACOL on the command line to identify the library that stores the program.



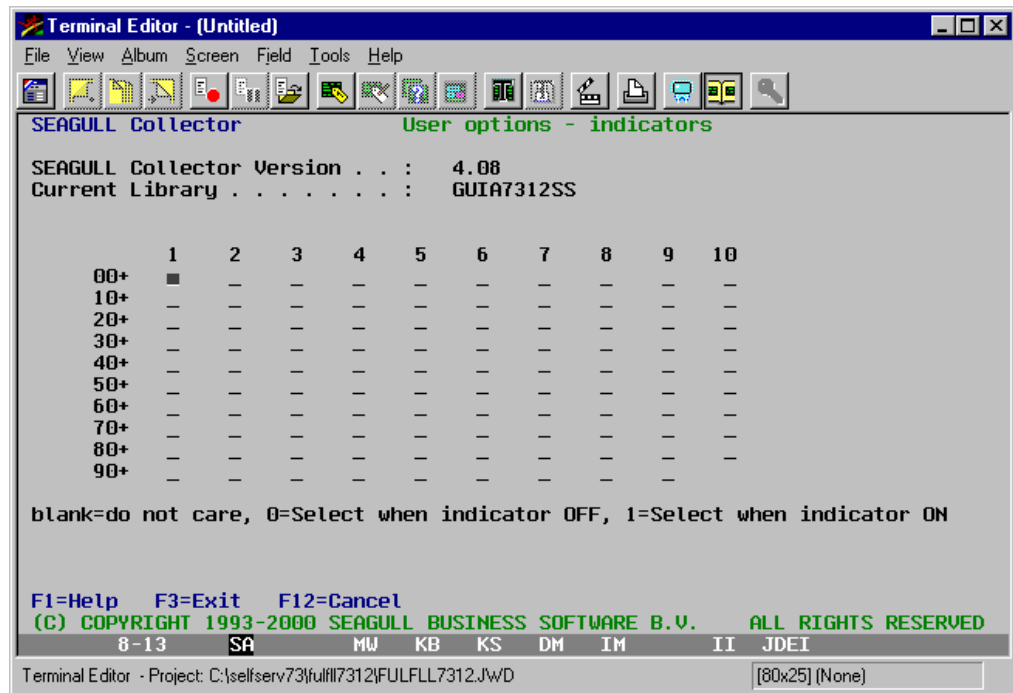
3. Press Enter to return to the User Options menu.

## Activating or Deactivating Indicators

After you set up user options, you can activate or deactivate indicators when you run the Collector. Note that activating or deactivating indicators is not necessary for the JD Edwards application.

### To activate or deactivate indicators

1. Type 3 on the User Options menu to display the User options - Indicators screen.



- Using the values (blank, 0, and 1) at the bottom of the screen, activate or deactivate the indicators.
- Press Enter to return to the User Options menu.

## Removing or Omitting Formats

You can remove or omit formats from the Collector.

### To remove or omit formats

- Type 4 on the User Options menu.

```

SEAGULL Collector      User options - formats to remove or omit

SEAGULL Collector Version . . . : 4.08
Current Library . . . . . : JDFJWALK

Format      Code      Format      Code
ASSUME      0          -          -
-           -          -          -
-           -          -          -
-           -          -          -
-           -          -          -
-           -          -          -
-           -          -          -
-           -          -          -

Code 0 = remove all occurrences of format
      1 = remove all occurrences of format but one
      2 = omit format in combine phase

F1=Help  F3=Exit  F12=Cancel
(C) COPYRIGHT 1993-2003 SEAGULL BUSINESS SOFTWARE B.V.  ALL RIGHTS RESERVED

```

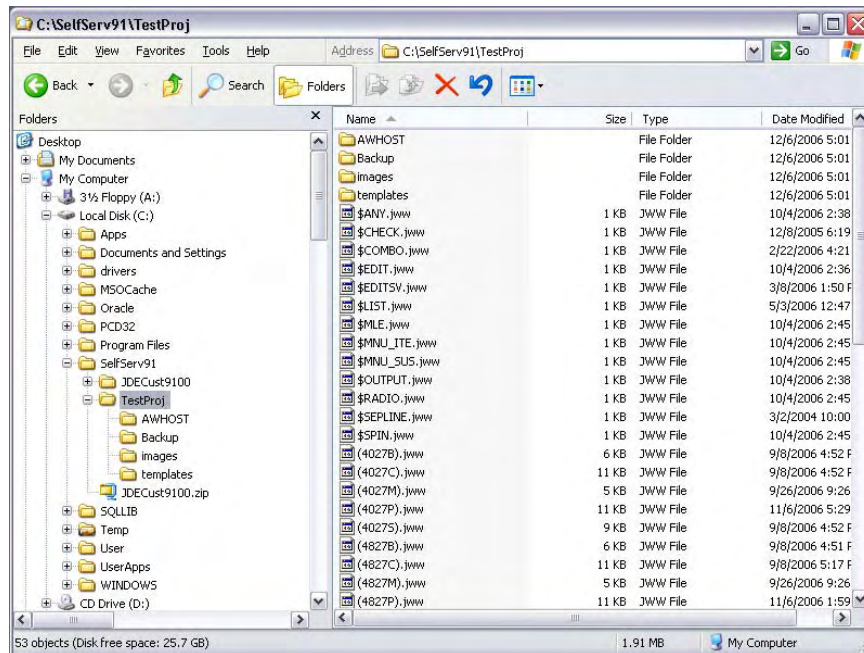
2. Type Assume in the Format field and 0 in the Code field to omit the format Assume. Note that you can also use this method to omit dummy or clear formats.
3. Press Enter to return to the User Options menu.
4. Press Enter to return to the "SEAGULL Collector – Main Screen".
5. Press Enter to submit the job to batch. You will receive a message when the job has completed.

If you view your target library, it must have a file called AWHOST. This file contains all display file data for your panels.

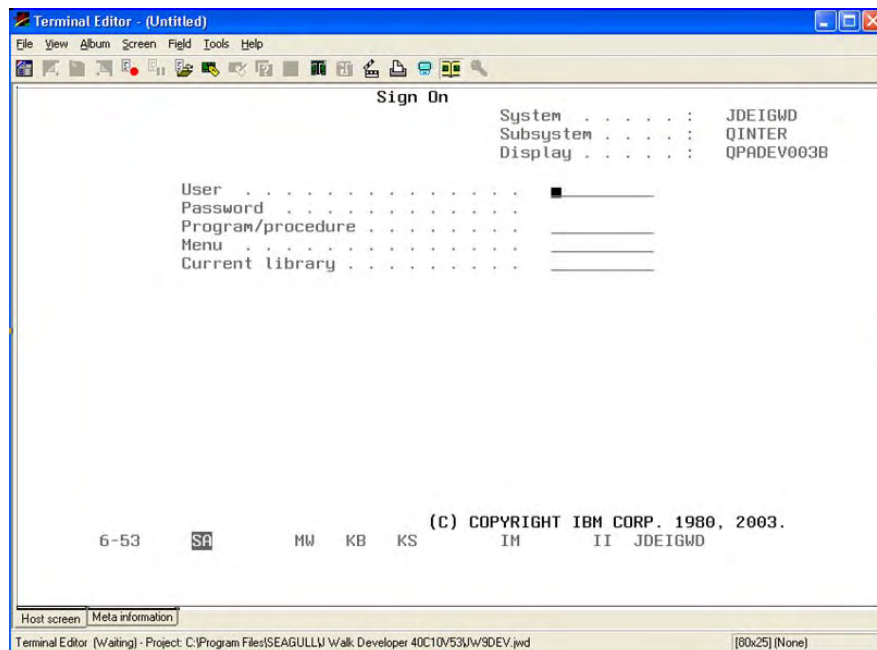
### To move the AWHOST file and import it for use in the J Walk Developer application

- Copy the zipped file JDECust9100.zip under folder Source from the JD Edwards Web Enablement Installation CD to your PC. Unzip this file to folder SelfServ91. It is recommended that you make a copy of the JDECust9100 folder and give it a name that has meaning to the current project.
- Transfer the AWHOST file from the iSeries to the PC on which the J Walk Developer has been loaded. Use the "Data Transfer From AS/400" operation navigating to path Start/Programs/IBM Client Access Express. Transfer the AWHOST file from the iSeries to the PC AWHOST folder within the new project name folder created above.





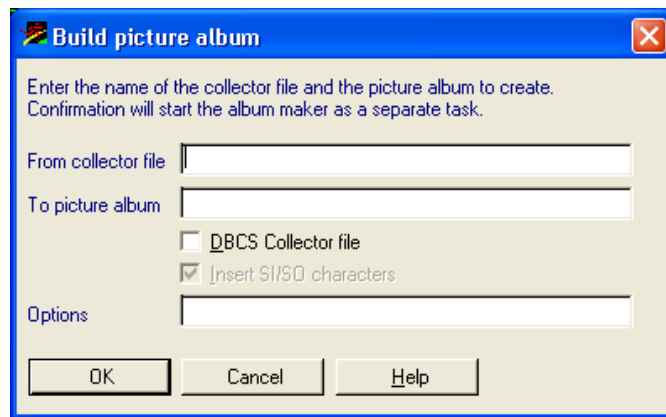
- Open your J Walk Developer. The following panel displays:



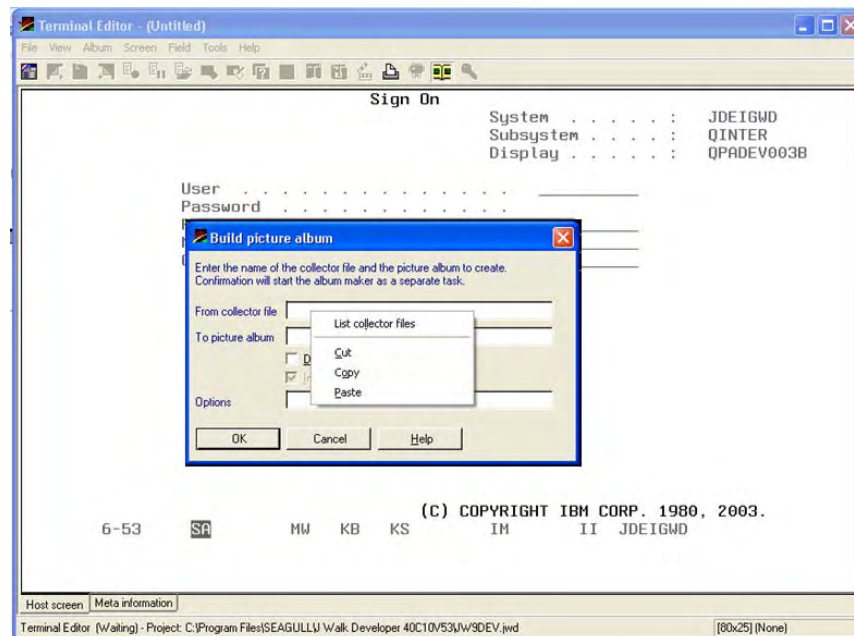
**Note:** Do not open a project. You need to step through the process to build the picture album, screens, and panels for your new AWHOST file.

## New Album

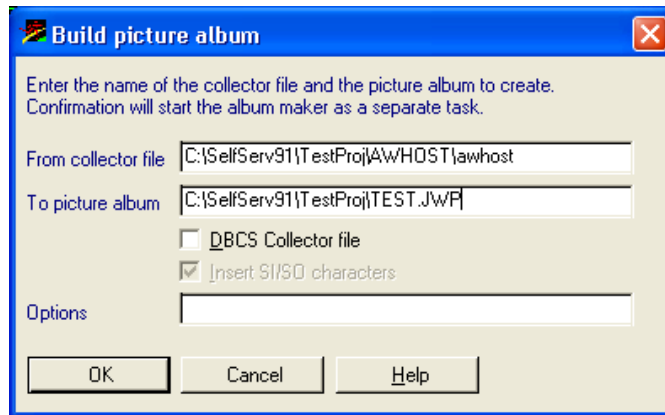
- Choose 'Album | New' from the menu bar.



- Right-click the 'From collector file' entry field, and choose 'List Collector Files'. Search and choose your AWHOST file.



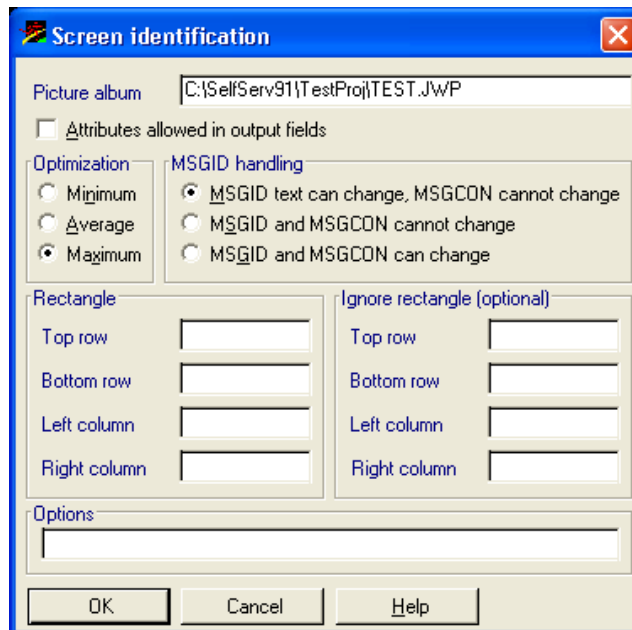
- In the 'To Picture Album' entry field, type the same directory that you used for the AWHOST file, but remove the AWHOST from the directory path. Add a file name with the extension of '.JWP'. The following graphic is an example:



- Click OK to create the picture album.  
You will receive a small report on the status of the build. The file you created is now in your project directory.
- Return to the Terminal Editor.

### Album Identity Pictures

- Choose Album | Identify Pictures.



- In the 'Picture Album' entry field, use the same directory that you used for the AWHOST file, but remove the AWHOST from the directory path and add the name of the .JWP file.
- Choose 'MSGID text can change, MSGCON cannot change' under 'MSGID handling'.
- Click OK to process the Screen Identification. You will receive a short message that the process has completed.

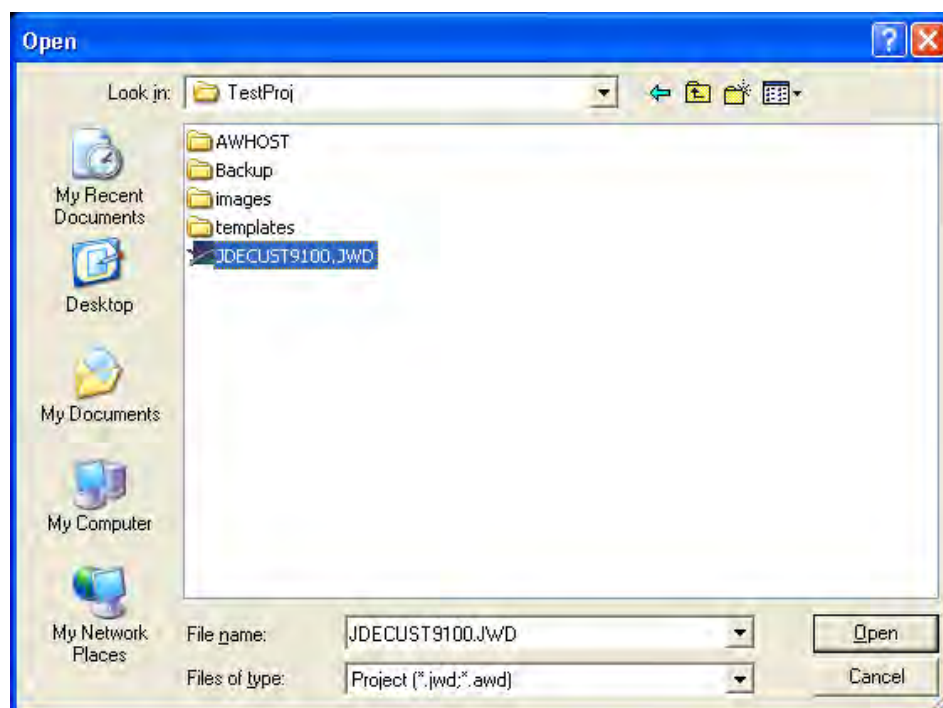
- Return to the Terminal Editor.

## Open

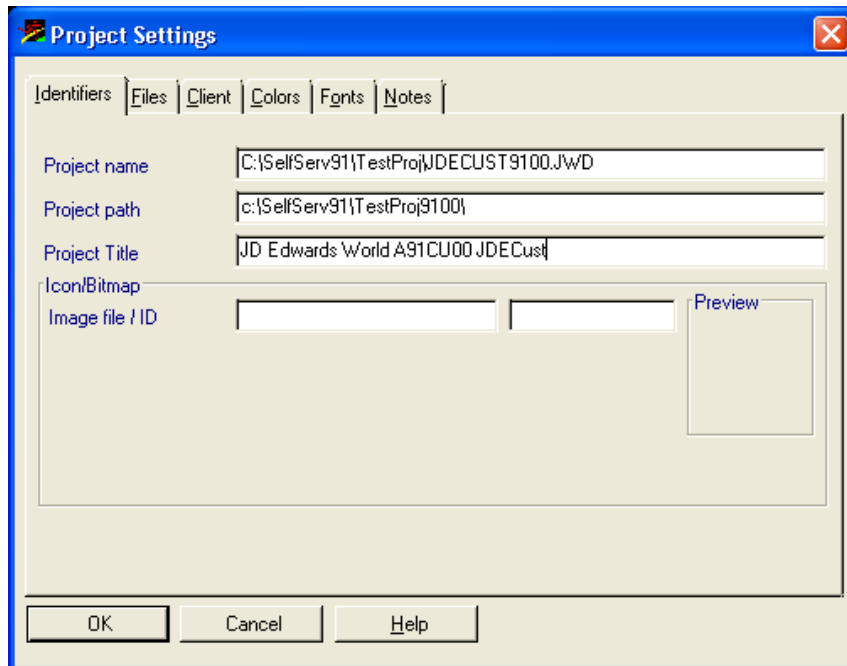
- Choose Album | Open.
- Choose your new .JWP file.
- You are now ready to start building the project.

## Create a Project

- On the terminal editor screen, choose File | Project | Open.
- Navigate to the directory that contains the JD Edwards World template project, and choose JDECUST9100.JWD.

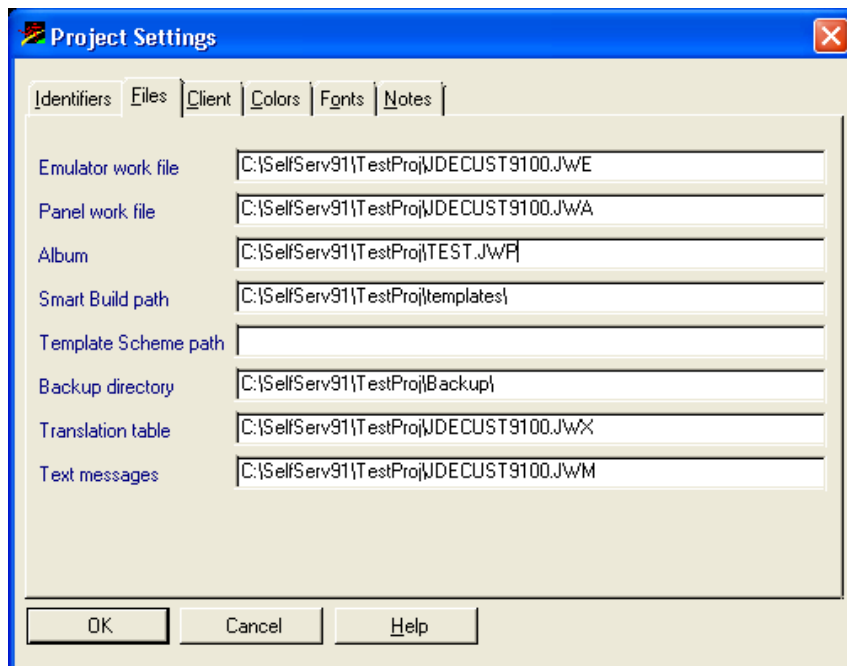


- Return to the Terminal Editor. Choose File | Project | Settings.



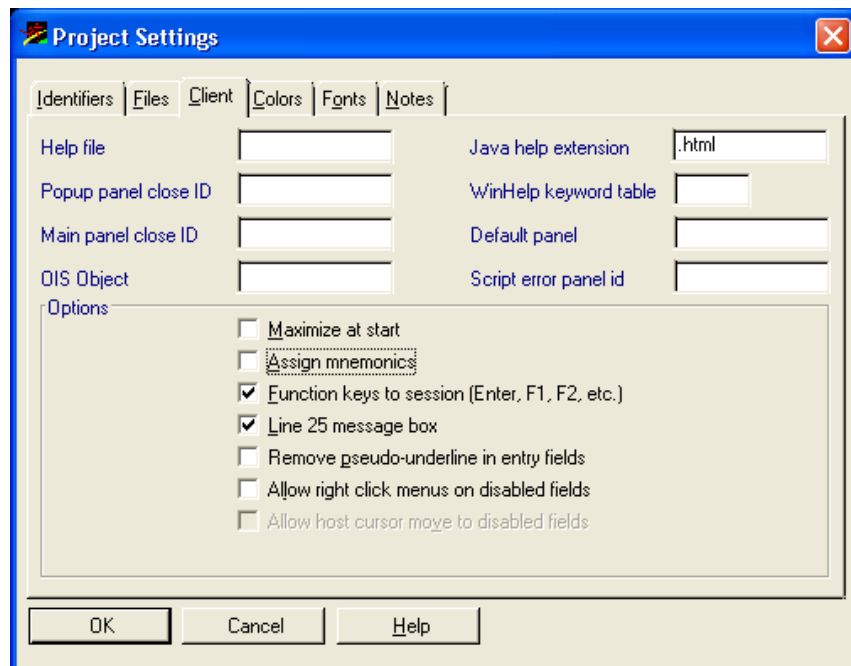
The 'Project Settings' dialog box is shown with the 'Identifiers' tab selected. The dialog has a blue title bar with a close button. The tabs are 'Identifiers', 'Files', 'Client', 'Colors', 'Fonts', and 'Notes'. The 'Project name' field contains 'C:\SelfServ91\TestProj\JDECUST9100.JwD'. The 'Project path' field contains 'c:\SelfServ91\TestProj9100\'. The 'Project Title' field contains 'JD Edwards World A91CU00 JDECust'. The 'Icon/Bitmap' section has an 'Image file / ID' field with two empty text boxes and a 'Preview' button to the right. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

Field	Value
Project name	C:\SelfServ91\TestProj\JDECUST9100.JwD
Project path	c:\SelfServ91\TestProj9100\
Project Title	JD Edwards World A91CU00 JDECust
Image file / ID	

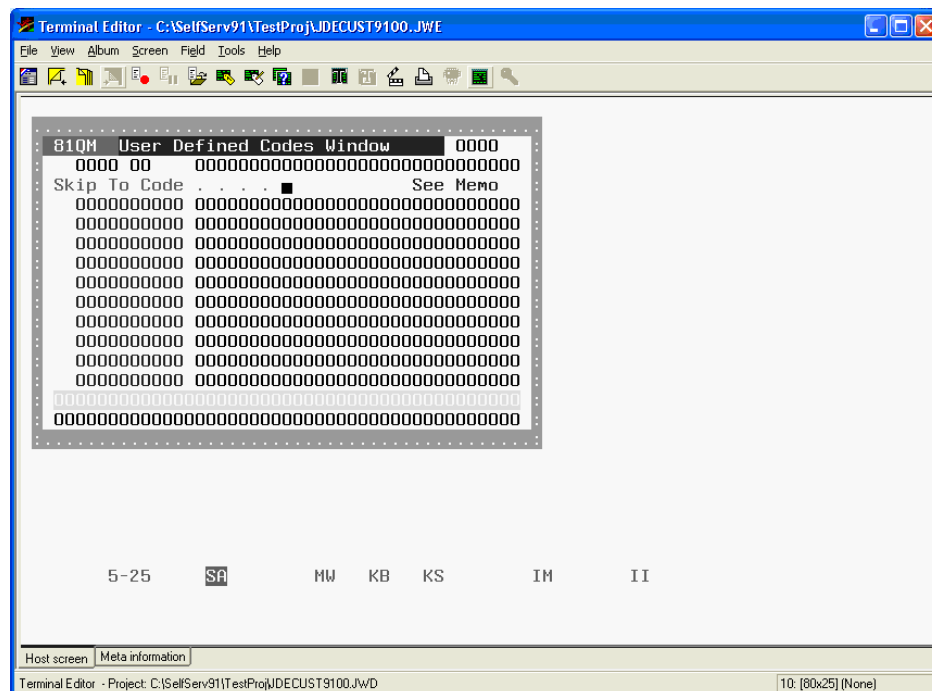


The 'Project Settings' dialog box is shown with the 'Files' tab selected. The dialog has a blue title bar with a close button. The tabs are 'Identifiers', 'Files', 'Client', 'Colors', 'Fonts', and 'Notes'. The 'Emulator work file' field contains 'C:\SelfServ91\TestProj\JDECUST9100.JwE'. The 'Panel work file' field contains 'C:\SelfServ91\TestProj\JDECUST9100.JwA'. The 'Album' field contains 'C:\SelfServ91\TestProj\TEST.JwF'. The 'Smart Build path' field contains 'C:\SelfServ91\TestProj\templates\'. The 'Template Scheme path' field is empty. The 'Backup directory' field contains 'C:\SelfServ91\TestProj\Backup\'. The 'Translation table' field contains 'C:\SelfServ91\TestProj\JDECUST9100.JwX'. The 'Text messages' field contains 'C:\SelfServ91\TestProj\JDECUST9100.JwM'. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

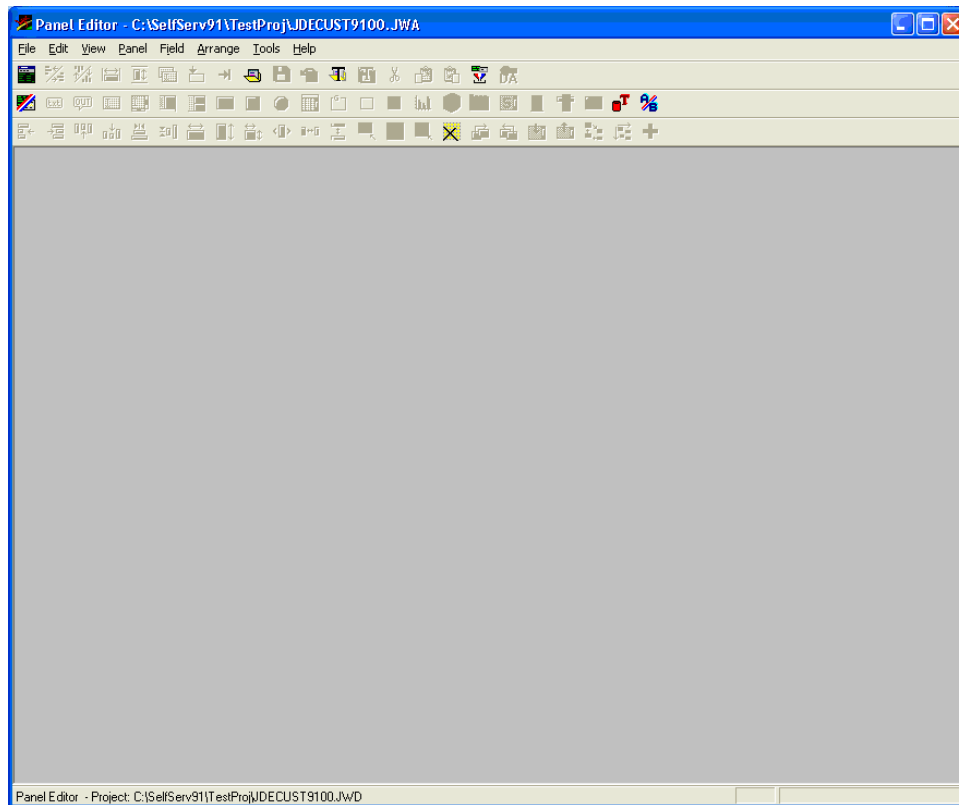
Field	Value
Emulator work file	C:\SelfServ91\TestProj\JDECUST9100.JwE
Panel work file	C:\SelfServ91\TestProj\JDECUST9100.JwA
Album	C:\SelfServ91\TestProj\TEST.JwF
Smart Build path	C:\SelfServ91\TestProj\templates\
Template Scheme path	
Backup directory	C:\SelfServ91\TestProj\Backup\
Translation table	C:\SelfServ91\TestProj\JDECUST9100.JwX
Text messages	C:\SelfServ91\TestProj\JDECUST9100.JwM



- Validate the paths are correct in the 'Identifiers' and the 'Files' tabs. Verify that only the two options are checked on the Client tab. When complete, click OK.



- In the Terminal Editor, you will see a panel displayed from the picture album.

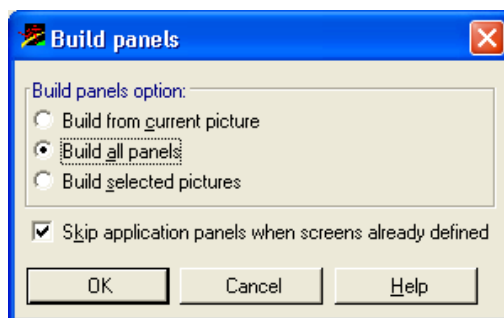


- To create the Panel file (which contains all of the transformed panels) tab into the Panel Editor screen, choose Tools | Smart Build panels.

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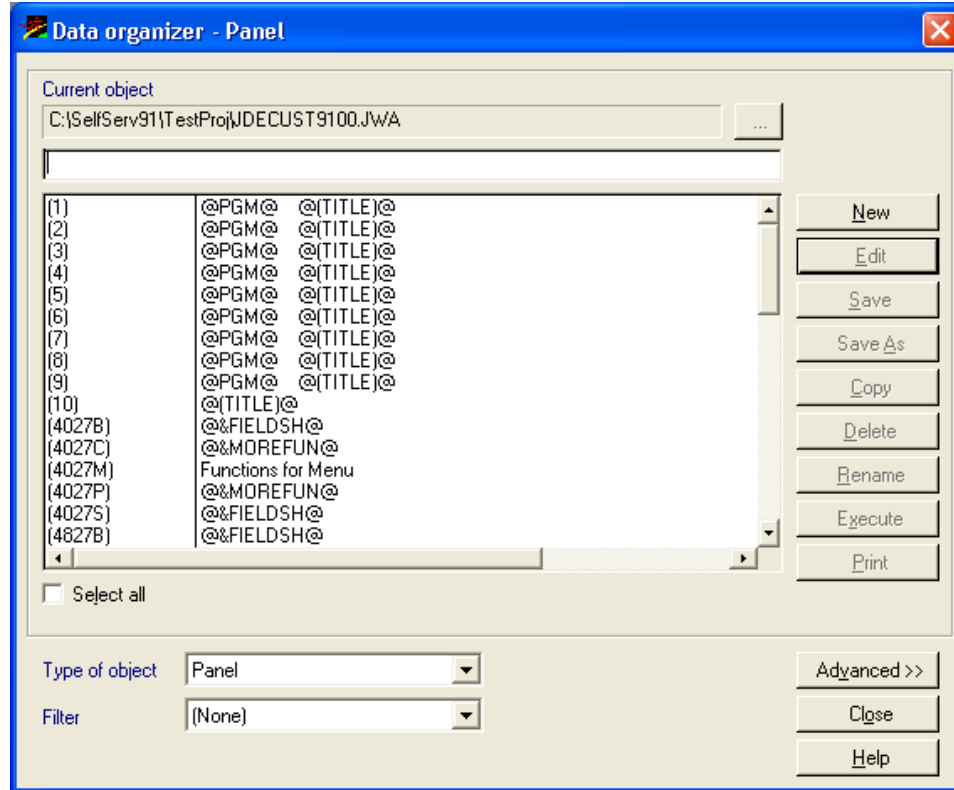
**Note:** During the Smart Build process, verify that the appropriate POS template is used for the type of panel you are building. There are two extra templates within the JDECUST9100 project, POSMAIN and POSPOP. Both templates have a starting row and column where fields will be added when creating a panel. POSMAIN is used for main panel screens. POSPOP is used for popup (window) panel screens. Before the Smart Build, you need to overwrite the current POS template with the appropriate panel type position-mapping (POS) template. It is recommended to build panel type groups separately.

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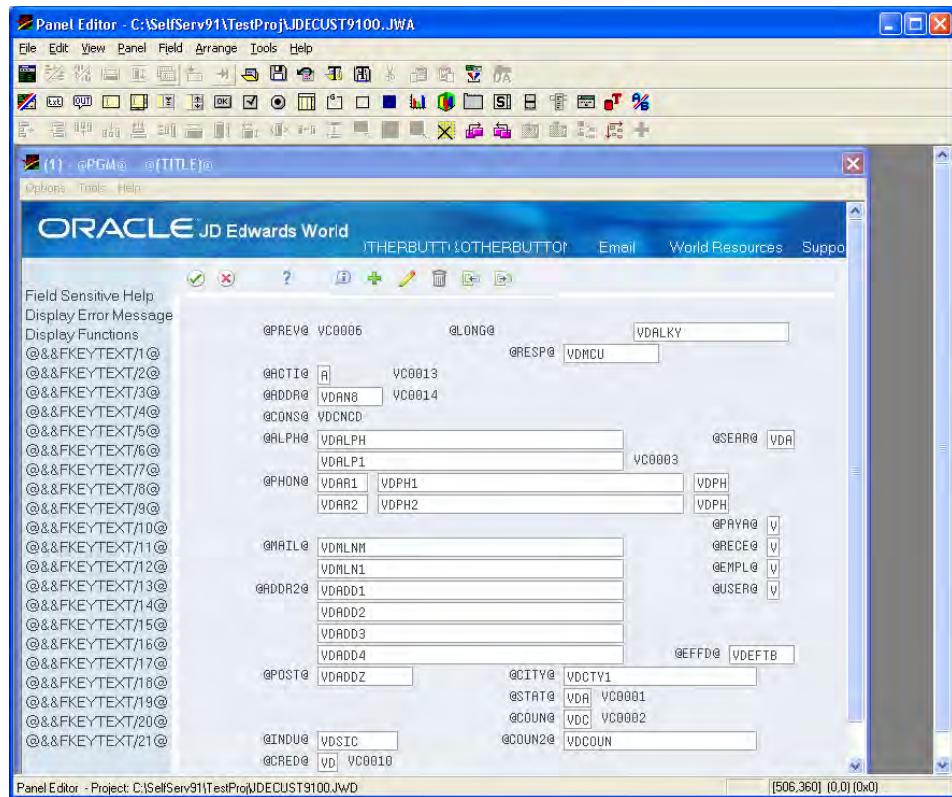
- Depending on how many screens you are building, it is recommended that you build panel type groups separately. If you do have both main and popup panels to build, use the "Build selected

pictures” option from above to choose the individual panel types. However, if you have all main panels, verify the correct version of the POS template is built (See note above). To access the list of templates, press CTRL + F4. You can then click the “Build all panels” if all your panels to build are of one specific panel type. You will receive a message when the action has completed.

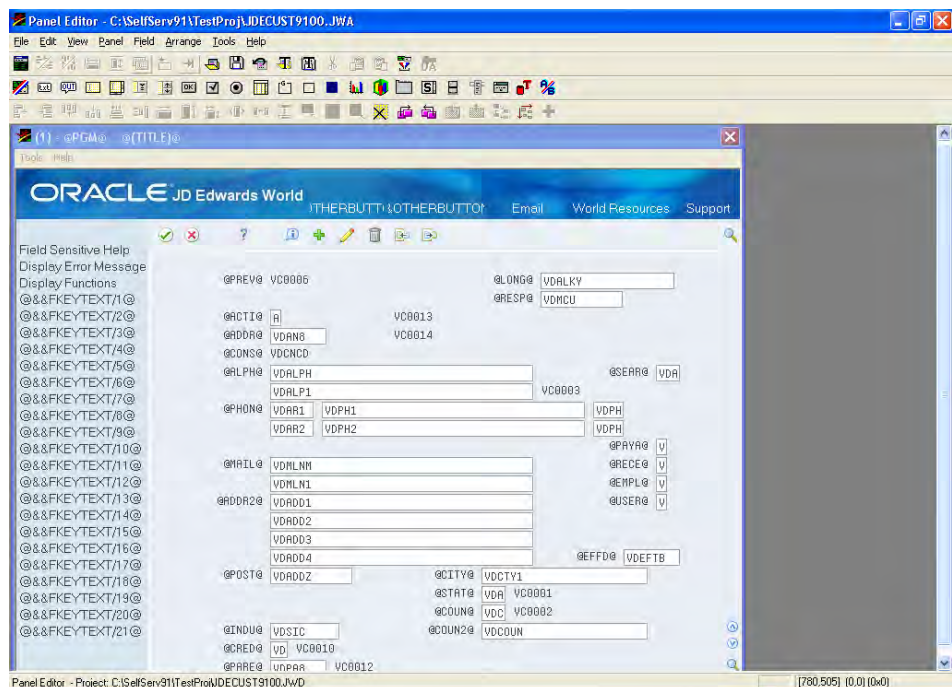


- Choose Panel | Organizer from the menu.  
Your new panels will be listed at the front of the list.  
Double click on one of the new panels to display it.



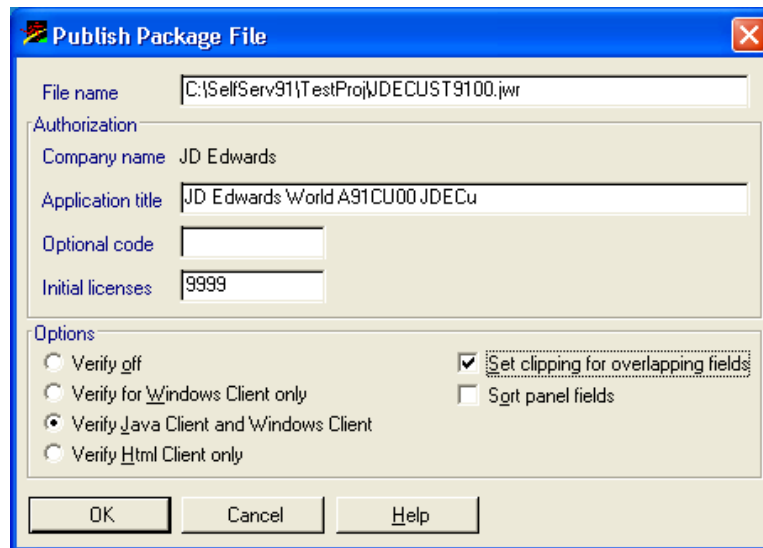


- You can now modify as needed.  
Upon completion, save all of your work. It must now be published.

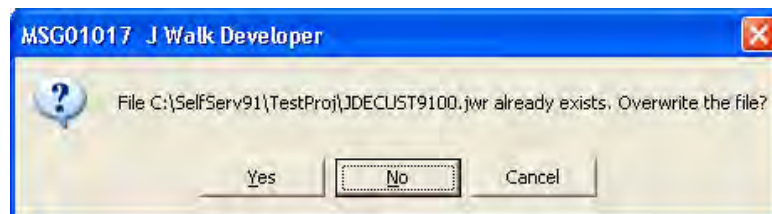


## Publish

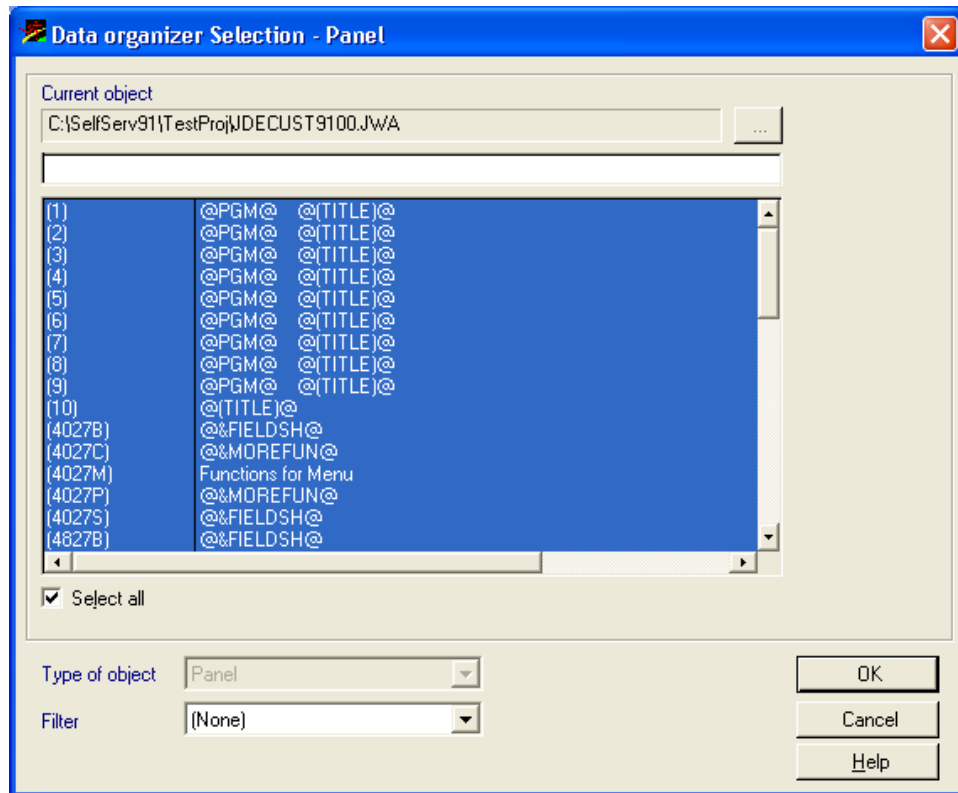
- From the Panel Editor, choose Tools | Publish.



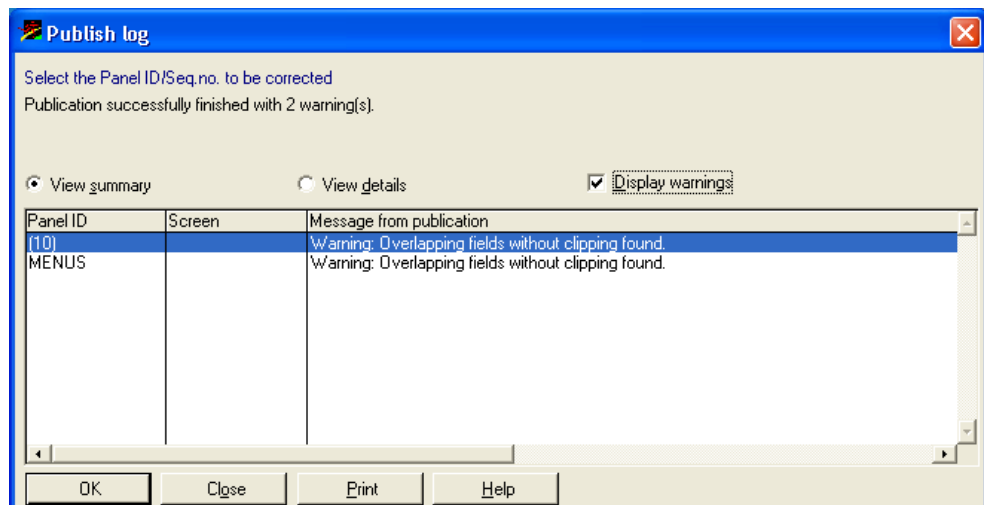
- Verify your file name is being directed to the proper directory, and then choose Verify Java Client and Windows Client. Check the Set clipping for overlapping fields. Click OK.



- This message will not appear the first time you create the .JWR file. On subsequent builds, click Yes.



- All items must be selected. Click OK.



- Upon completion, you may see this screen. Warnings are normal. If you have errors, correct them and republish. Otherwise, click Close to exit.

The publishing process is now complete. The files must now be moved from the development directory to the J Walk server directory.

You must move the 'xx.JWR', 'xx.JWM, and 'xx.JWX' files. After moving the files, create a file called 'WV9100.JWC' using notepad.

The following lines determine the execution order for J Walk. Copy these lines to your .JWC file.

[A9100APP]

Runtime=JDECUST9100.jwr

Runtime=WV9100.jwr

Runtime=DYNBLD9100.jwr

- Change JDECUST9100.JWR to the name of the JWR file you created. When the J Walk server is started, this becomes the search order for the panels. Custom files should be first in line.
- Stop and restart your J Walk server and test your new panels. Panels will appear at the expected location.

## Summary

Contact JD Edwards World Technical Customer Support if you have any questions regarding this guide.

Always refer to the latest version of this guide on the Customer Connection.