



# Infor WebTop for IBM i System Administrator's Guide

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## About This Guide

This section focuses on the following information:

- Intended audience
- Purpose of this guide
- Organization of this guide
- Related documentation

### Intended audience

This guide is for technical users who are responsible for maintaining Infor WebTop Server for IBM i for use with Infor web-enabled applications.

Throughout this guide we refer to Infor WebTop Server for IBM i as WebTop Server.

### Purpose of this guide

This guide contains instructions for performing Runtime, or administrative, procedures specific to WebTop Server.

### Organization of this document

This document includes the chapters listed below.

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- Chapter 1, "Introduction" provides an introduction to the features and functions available in WebTop Server.
- Chapter 2, "Working with WebTop Server Custom Menu" explains how to add frequently used menu options and external links to a custom folder.
- Chapter 3, "Using Attachment Rules" explains how to use the ATRULE command to set up and maintain attachment rules.
- Chapter 4, "WebTop Server Routing" explains how to route WebTop server runtime jobs to a specified job description.
- Chapter 5, "Customizing and Configuring Application Screens" explains how to customize application screens in a web interface.

## Related documentation

For related information, refer to the following publications:

- *Infor WebTop for IBM i Installation Details and Release 4.8 Notes*
  - *Supported Technical Environment Document (STE) for Infor WebTop for IBM i 4.8 and SHCM 11.5.6*
-



Infor is pleased to announce the release of Infor WebTop for IBM® i™ 4.8. This release includes continued support of Infor OS, an Infor technology that brings our portfolio of proven products to higher levels of power, usability, and flexibility. Infor OS provides a user interface with unified navigation, single sign-on, single-click access to Infor systems, personalization, context apps, and shortcuts to get you to the information you need faster and easier.

For additional information and documentation on Infor OS, go to Infor Documentation Central at <https://docs.infor.com/en-us/> and search for **WebTop** to locate the documentation.

This chapter provides an introduction to the features and functions available in WebTop Server shown below.

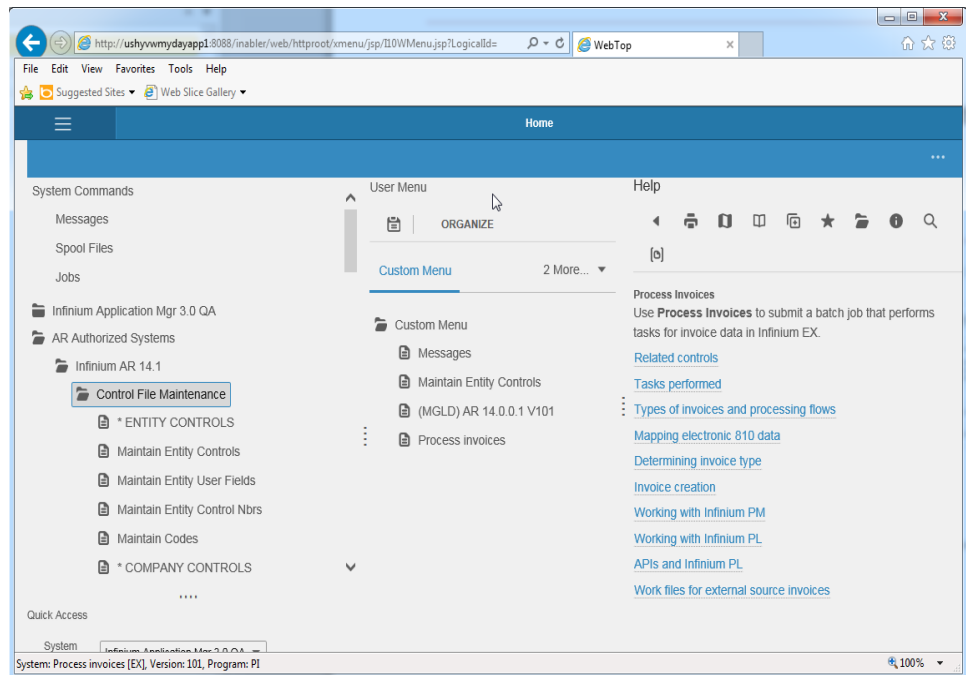


Figure 1-1: WebTop home page

# WebTop Server features

WebTop Server includes the features below.

- Colors, icons, and styles consistent with the standard Infor style guidelines
- Support for proportional fonts
- An asterisk \* displays next to high-intensity input fields

This typically determines required fields as defined by IBM SAA standards.

- Function keys enabled for all applications
- Two menu navigation methods are available from the WebTop home page
  - A hierarchical tree structure menu in the left frame of the WebTop home page provides navigation through menu options for your authorized applications

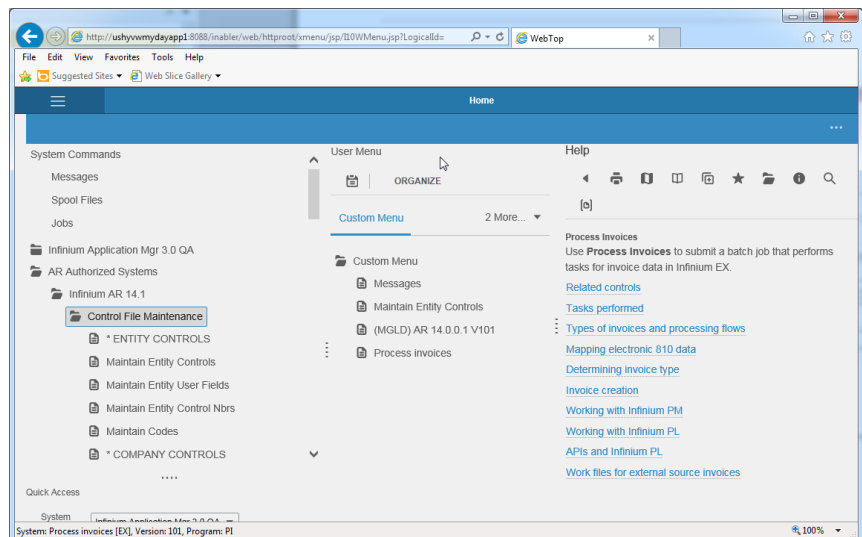



Figure 1-2: WebTop hierachal tree structure menu

- An Application Menu accessible in the upper left of the WebTop browser page by clicking the menu icon 

The menu options cascade to display the lower-level menu options as shown below.

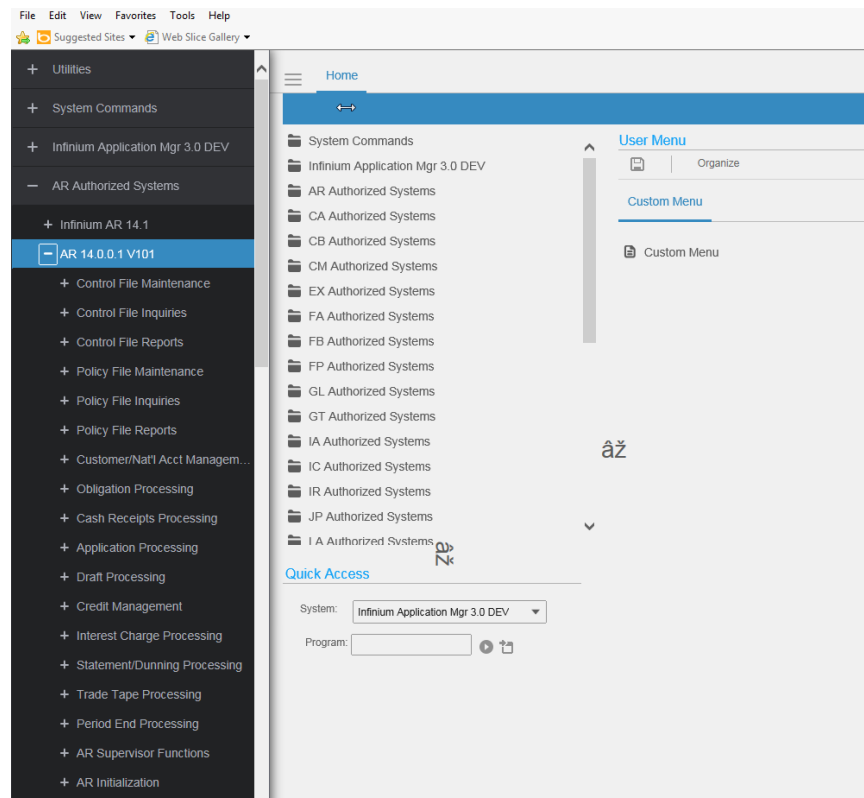


Figure 1-3: WebTop Application menu

- Application forms displayed as tabs within the active browser window

Application form tabs are created when you make a menu selection or use Quick Access. You close the application form tabs by clicking the Exit button on the form, which also causes the application job to end.

You can go from one application form to another by selecting the relevant tab. If you open more form tabs than can fit across the tab bar, a Next button is displayed on the right side of the tab bar, which you can use to scroll the available tabs. A Previous button is displayed on the left side of the tab bar so that you can scroll back through the available tabs.

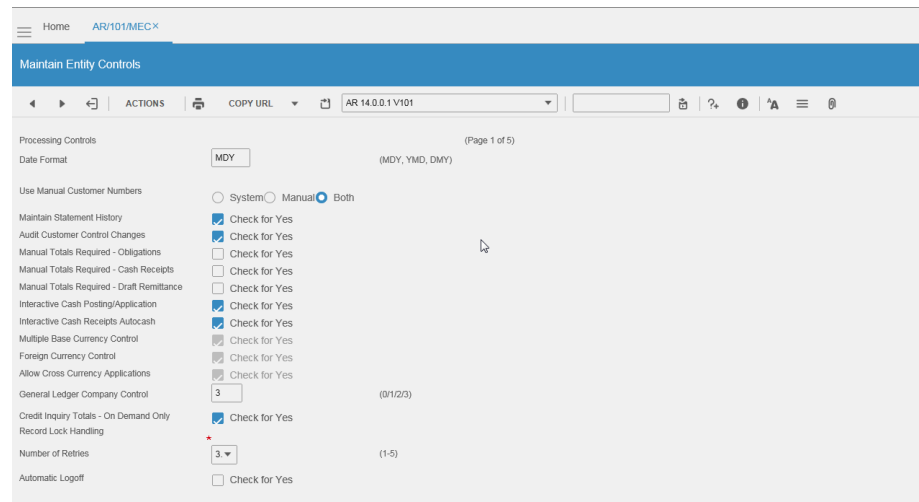


Figure 1-4: WebTop application page

- Prompts presented in modal windows
- Double-byte support through Unicode character set
- An attention indicator to identify fields that you must address before you continue to another web page

This feature equates to reverse image in a non-web environment. A message area at the bottom of the page displays a message associated with the attention indicator.

- Utilities Menu

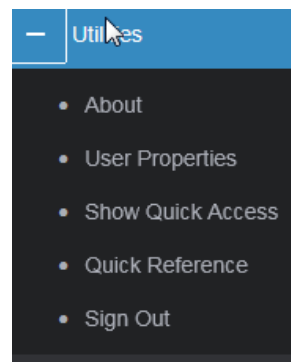


Figure 1-5: Utilities menu

Access to the utility commands from the main menu bar:

- About
- Show Quick Access Panel

Click to open a quick access window, as shown below, from which you can start a function without making a menu selection. From the quick access window you can specify the system, version, and the quick access code for the function to display. The quick access code you specify in the Program box is dependent on your ERP system.

System  Q

Version

Program

Displaying - (0 Results)  ...

Program Name	Description
--------------	-------------


[CLOSE](#)

Figure 1-6: Quick Access window

- Quick Reference

You click the quick reference option to open the Infor WebTop Quick Reference, which explains the icons on the Infor WebTop toolbar, the items on the Actions or Function Key window, and the shortcut keys.

- Sign Out
- Home
- Themes

The ability to choose the contrast as well as the personalization exists in WebTop Server. Click the more icon  at the upper right of the WebTop panel to display this list:

THEME	
<input checked="" type="checkbox"/>	Light
<input type="checkbox"/>	Dark
<input type="checkbox"/>	High Contrast

PERSONALIZATION	
<input checked="" type="checkbox"/>	Azure
<input type="checkbox"/>	Amber
<input type="checkbox"/>	Amethyst
<input type="checkbox"/>	Turquoise
<input type="checkbox"/>	Emerald
<input type="checkbox"/>	Graphite

Figure 1-7: Theme and Personalization list

## WebTop Server functions

You can use WebTop Server to perform the functions below when you set up and maintain web pages for your Infor products.

- Attach icons to menu items

The application's implementation may or may not support this function.

- Attach a manual decorator in a format that allows you to display a hyperlink or image
- Export spool files to Microsoft Excel, Word, PDF, or XML
- Export subfile records to Microsoft Excel or Word

Review the “Customizing and Configuring Application Screens” chapter of this guide for information on all supported WebTop Server decorators.

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## Chapter 2 Working with the WebTop Server Custom Menu

# 2

Use the Custom Menu to add frequently used menu options as well as external links to a custom folder.

The chapter consists of the following topics:

<b>Topic</b>	<b>Page</b>
Adding custom menu options	2-2
Organizing custom menu options	2-16
Saving custom menu options	2-25
Executing a custom menu option	2-27

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## Adding custom menu options

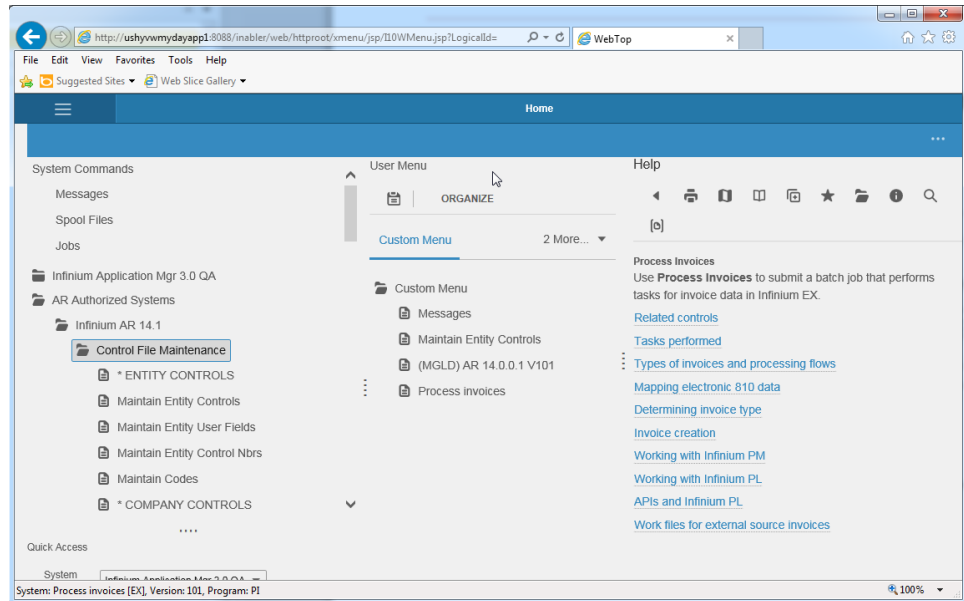


Figure 2-1: Custom Menu page

**Note:** If you set up WebTop within Infor OS, you can also use the Shortcuts context application to create shortcuts to your menu options. See the Infor OS documentation for more information.

## Adding a Custom Menu option

Drag and Drop is available for adding entries to the Custom Menu. Left-click to capture, drag, and then drop a menu item from the Hierarchical Menu to the Custom Menu.

Right-click a menu option and select Custom Menu as shown below.

**Note:** The right-click option is available only from the menu on the Home tab.

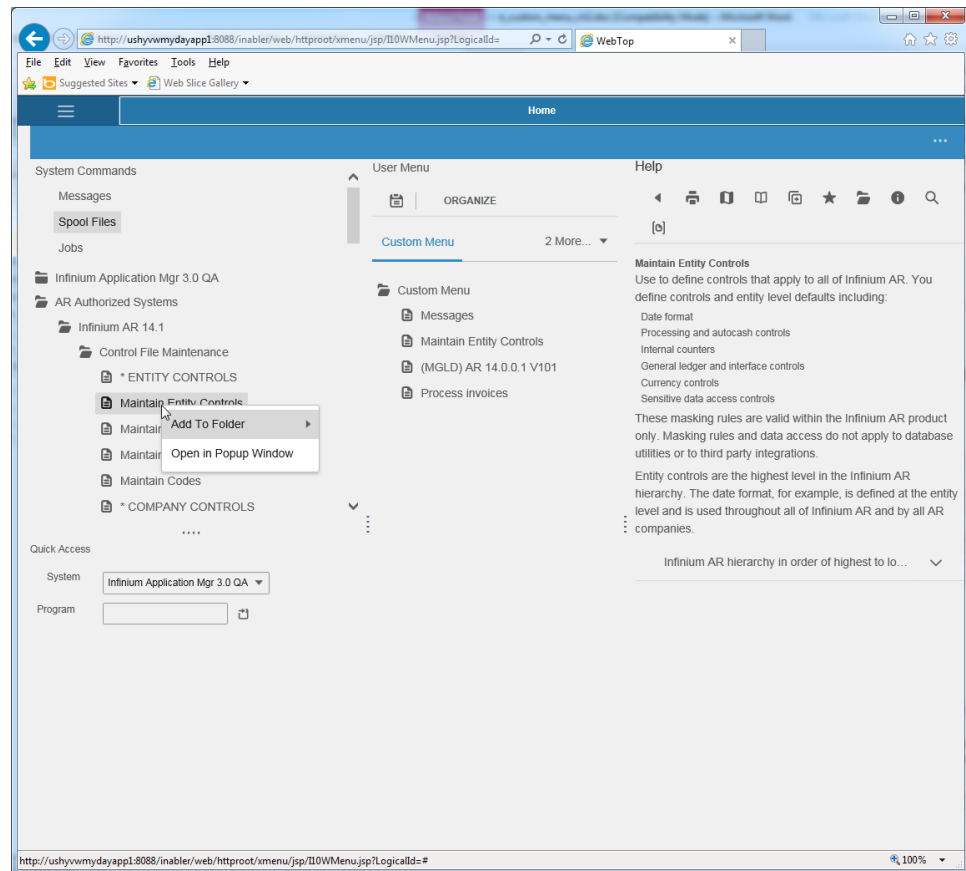


Figure 2-2: Add To Folder display box on the Custom Menu page

For example, right click Work with Company Controls from the Infinium Cross Applications 12.3 Control Files menu and select Custom Menu to add the menu option to the Custom Menu as shown below.

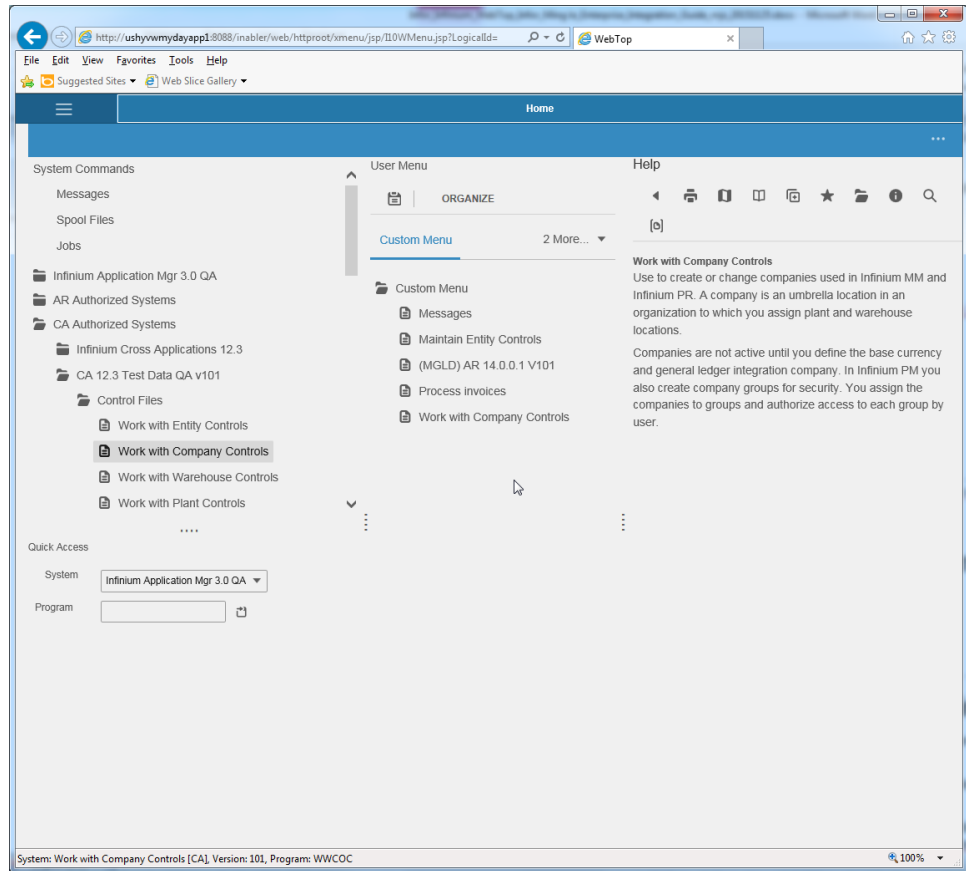


Figure 2-3: Custom Menu sample page

## Adding an external shortcut to the Custom Menu

Complete the steps below to add a shortcut to an external site to your custom menu.

- 1 Click Organize from the Custom Menu.

### User Menu

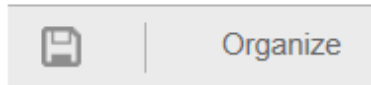


Figure 2-4: User Menu selections

The system displays the Organize web page dialog shown below.

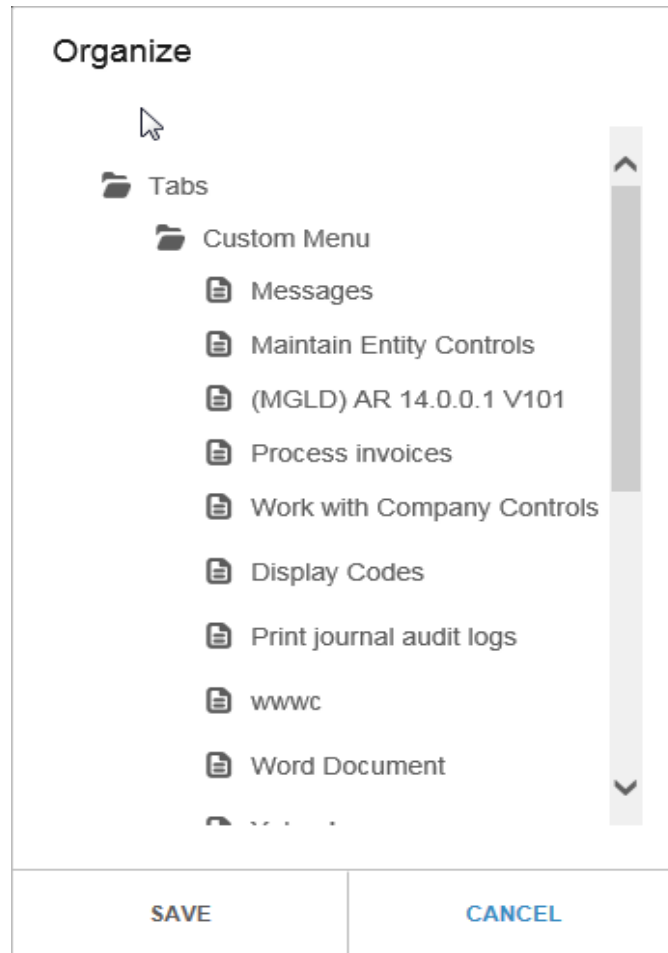
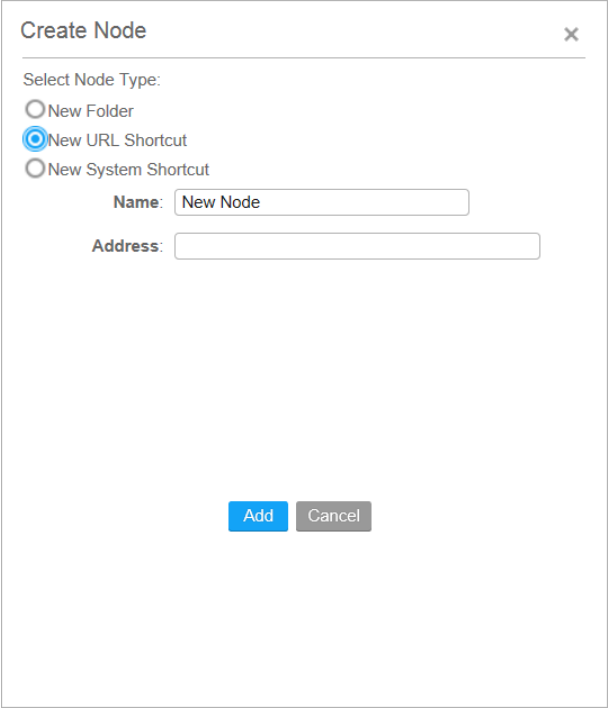


Figure 2-5: Organize web page dialog

- 2 Right-click *Custom Menu* and select *Create*. The Create Node web page dialog shown below is displayed.



The image shows a web page dialog titled "Create Node" with a close button (x) in the top right corner. Below the title bar, the text "Select Node Type:" is followed by three radio button options: "New Folder", "New URL Shortcut" (which is selected), and "New System Shortcut". Below these options are two text input fields: "Name:" with the text "New Node" and "Address:" which is empty. At the bottom of the dialog are two buttons: "Add" (highlighted in blue) and "Cancel" (greyed out).

Figure 2-6: Create Node web page dialog

**3 Select New URL Shortcut.**

**4 Specify the field information below.**

*Name*

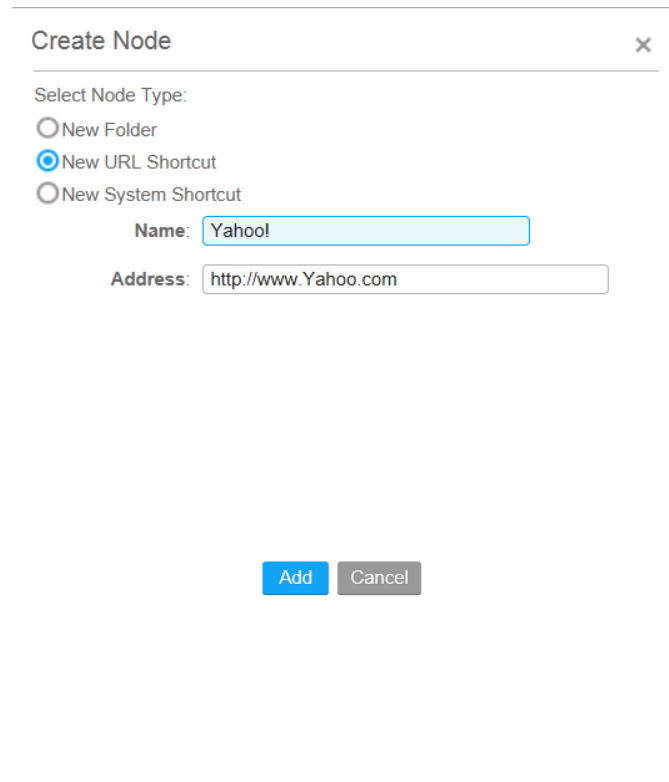
Type the name of the shortcut.

For example, type **http://www.yahoo.com** in the *Address* field and **Yahoo!** in the *Name* field as shown below.

*Address*

Type the address for the new shortcut.

---



Create Node

Select Node Type:

New Folder

New URL Shortcut

New System Shortcut

Name: Yahoo!

Address: http://www.Yahoo.com

Add Cancel

Figure 2-7: Create Node web page dialog

- 5 Click Add. The Create Node – web page dialog is closed and the shortcut is added to the Custom Menu as shown below on the Organize dialog.

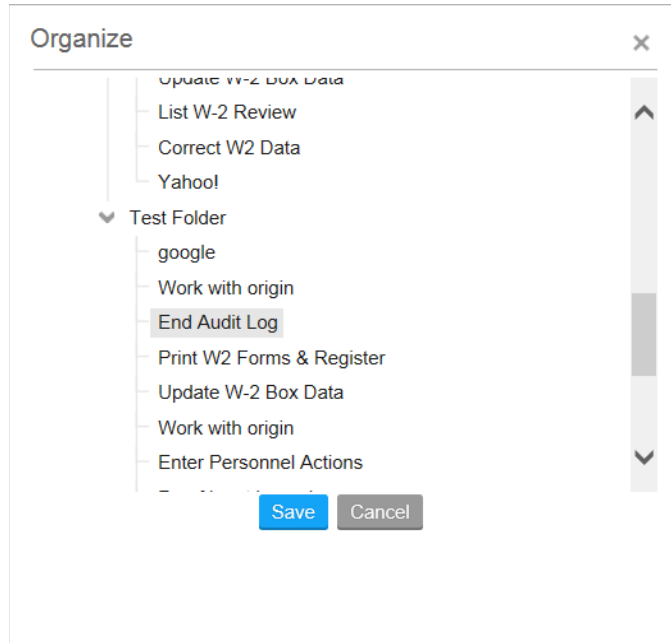


Figure 2-8: Custom Menu Organize selections

- 6 Click Save. The Organize dialog is closed and the Custom Menu is shown.
- 7 Click the Yahoo! menu option from the Custom Menu to open a new browser window with the Yahoo! main page.

## Adding an external shortcut to a new tab on the Custom Menu

Complete the steps below to add a shortcut to an external site on a new tab to your custom menu.

- 1 Click Organize from the Custom Menu.

### User Menu

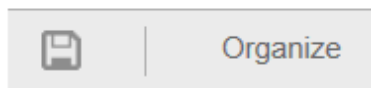


Figure 2-9: User Menu selections

The system displays the Organize web page dialog shown below.

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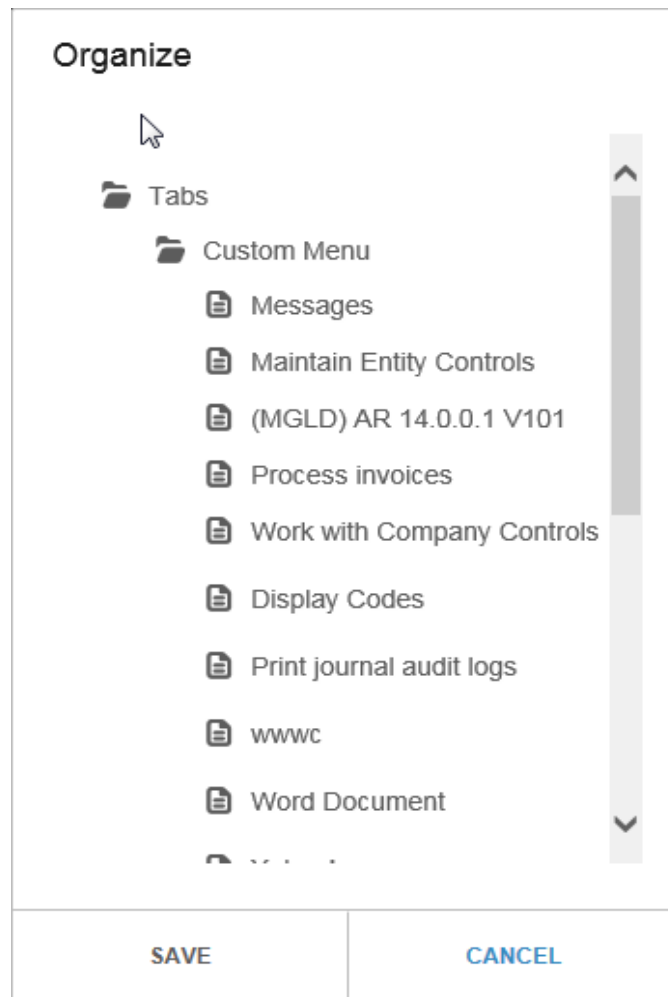
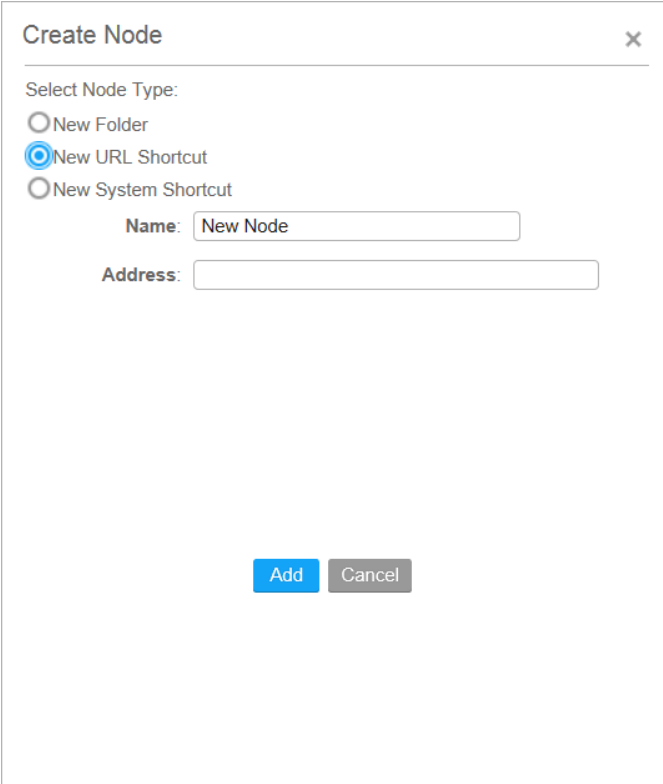


Figure 2-10: Organize web page dialog

**2** Right-click *Tabs* and select *Create*.

The Create Node web page dialog shown below is displayed.



The image shows a web page dialog box titled "Create Node" with a close button (X) in the top right corner. Below the title bar, the text "Select Node Type:" is followed by three radio button options: "New Folder", "New URL Shortcut" (which is selected), and "New System Shortcut". Below these options are two text input fields: "Name:" with the value "New Node" and "Address:" which is empty. At the bottom center of the dialog are two buttons: "Add" (highlighted in blue) and "Cancel" (greyed out).

Figure 2-11: Create Node web page dialog

- 3 Click **New Folder** to display the web page dialog shown below.

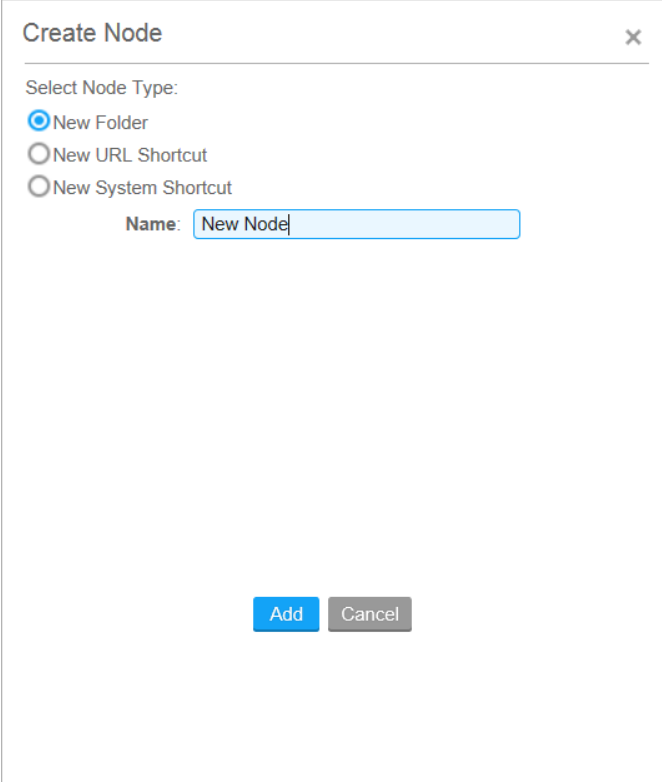
A dialog box titled "Create Node" with a close button (x) in the top right corner. Below the title bar, the text "Select Node Type:" is followed by three radio button options: "New Folder" (selected), "New URL Shortcut", and "New System Shortcut". Below these options is a text input field labeled "Name:" containing the text "New Node". At the bottom of the dialog, there are two buttons: "Add" (blue) and "Cancel" (grey).

Figure 2-12: Create Node web page dialog

- 4 Type a name in the *Name* field, for example **Web Sites**, for the shortcut and click Add.
- 5 Click Save on the Organize web page dialog.
- 6 The new folder is added under the Custom Menu folder as shown below.

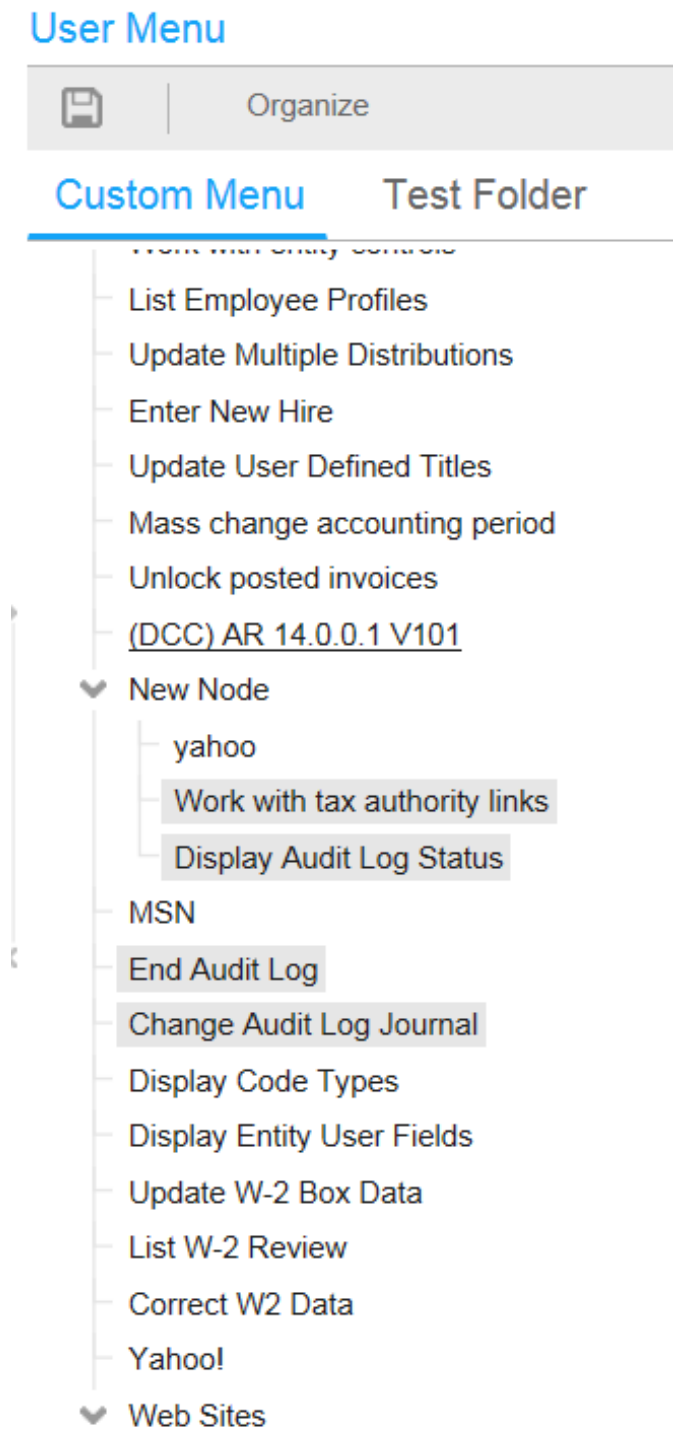


Figure 2-13: User Menu web page dialog

- 7 Click Organize from the Custom Menu.

## User Menu

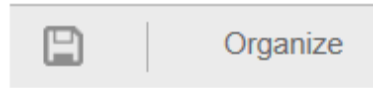


Figure 2-14: User Menu selections

The Organize web page dialog is displayed.

- 8 Right-click *Web Sites* and select *Create*. The Create Node web page dialog shown below is displayed.

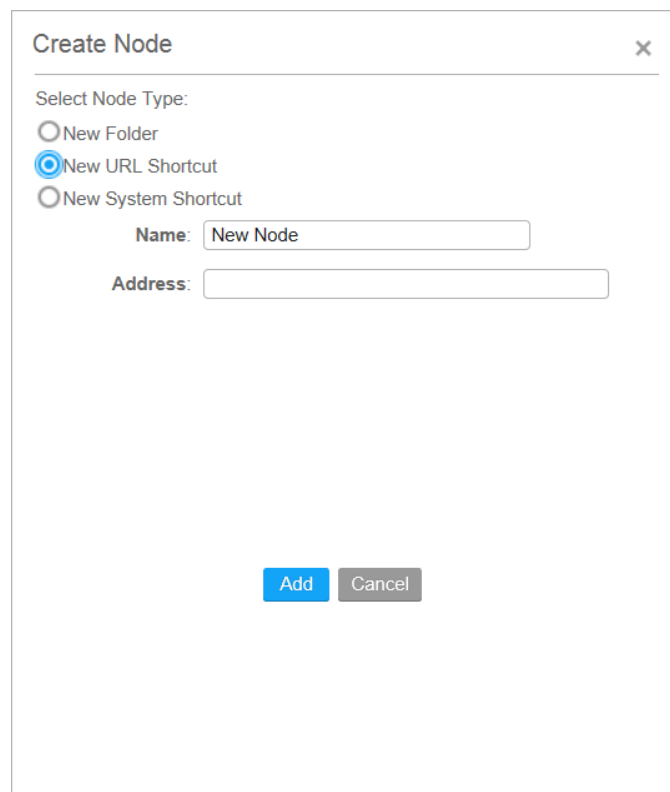
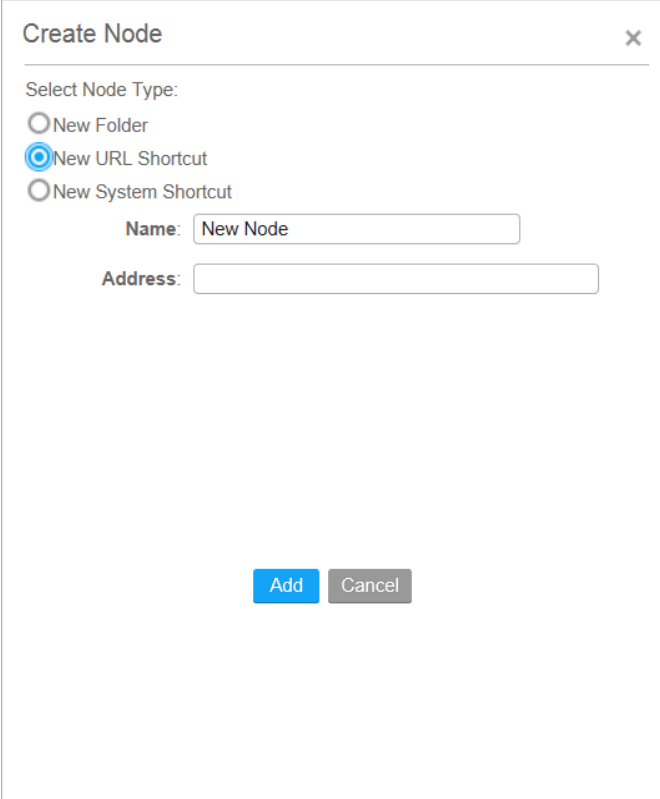
A dialog box titled "Create Node" with a close button (X) in the top right corner. Below the title bar, the text "Select Node Type:" is followed by three radio button options: "New Folder", "New URL Shortcut" (which is selected), and "New System Shortcut". Below these options are two input fields: "Name:" with the text "New Node" and "Address:" which is empty. At the bottom of the dialog are two buttons: "Add" (highlighted in blue) and "Cancel" (gray).

Figure 2-15: Create Node web page dialog

- 9 Click **New URL Shortcut** to display the web page dialog shown below.



The image shows a web page dialog box titled "Create Node" with a close button (X) in the top right corner. Below the title bar, the text "Select Node Type:" is followed by three radio button options: "New Folder", "New URL Shortcut" (which is selected), and "New System Shortcut". Below these options are two text input fields. The first is labeled "Name:" and contains the text "New Node". The second is labeled "Address:" and is currently empty. At the bottom center of the dialog box, there are two buttons: a blue "Add" button and a grey "Cancel" button.

Figure 2-16: Create Node web page dialog

**10** Specify the field information below.

*Name*

Type the name of the shortcut.

For example, type **http://www.yahoo.com** in the *Address* field and **Yahoo!** in the *Name* field as shown below.

*Address*

Type the address for the new shortcut.

---

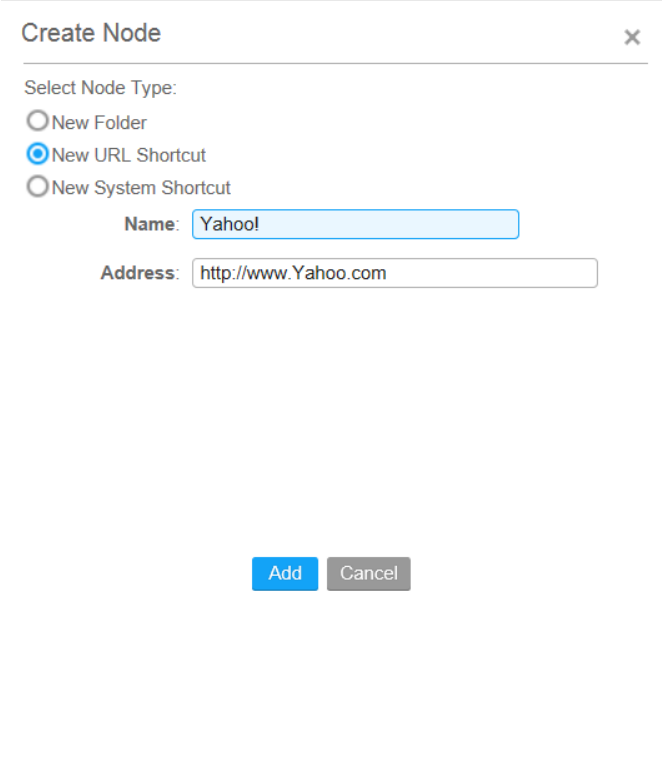
A dialog box titled "Create Node" with a close button (X) in the top right corner. It contains a "Select Node Type:" section with three radio button options: "New Folder", "New URL Shortcut" (which is selected), and "New System Shortcut". Below this are two text input fields: "Name:" with the value "Yahoo!" and "Address:" with the value "http://www.Yahoo.com". At the bottom center, there are two buttons: "Add" (highlighted in blue) and "Cancel" (greyed out).

Figure 2-17: Create Node web page dialog

- 11 Click Add. The web page dialog is closed.
- 12 Click Save on the Organize web page dialog.
- 13 Click the new tab to display the shortcut as shown below.

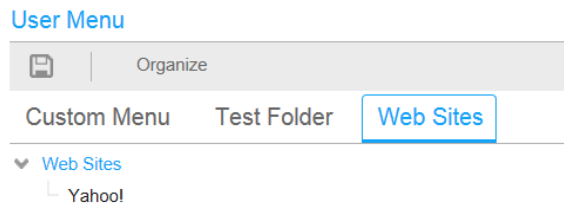


Figure 2-18: User Menu selections

- 14 Click the Yahoo! menu option from the Custom Menu to open a new browser window with the Yahoo! main page.

## Organizing custom menu options

To organize your custom menu, click Organize from the Custom Menu.

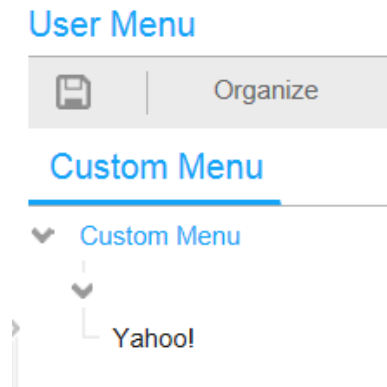


Figure 2-19: Custom Menu page

The system displays the Organize Shortcuts – web page dialog shown below.



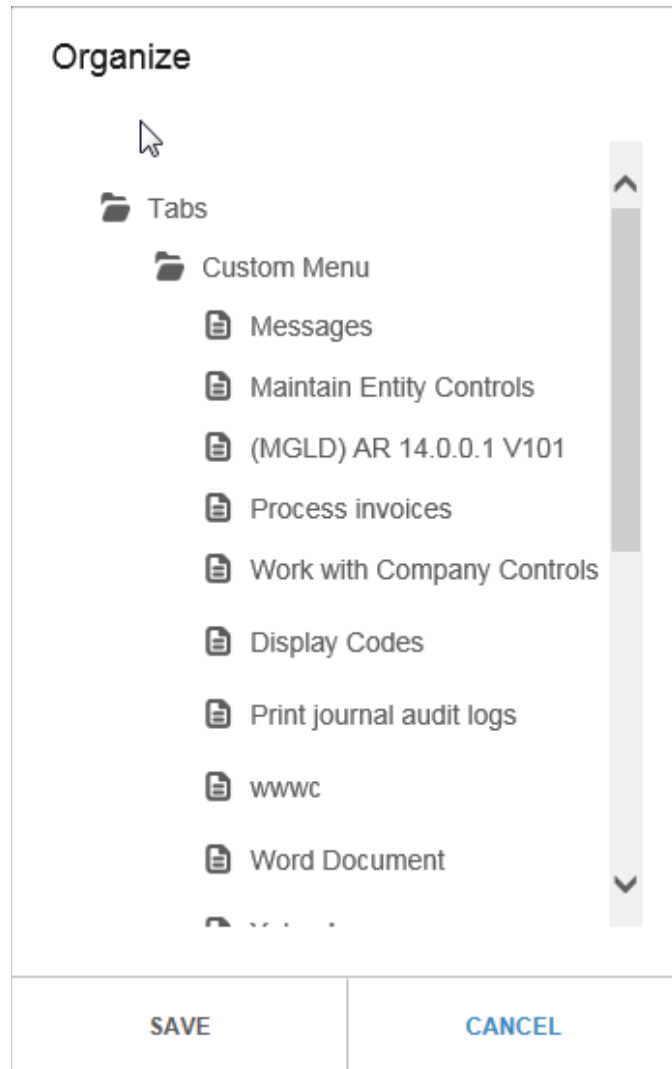


Figure 2-20: Organize web page dialog

## Adding a new menu category

- 1 To add a new category to the custom menu, click Organize from the User Menu. The Organize dialog is displayed.
- 2 Select the node to which you want to add a new folder and right-click it to display a list of options.
- 3 Click *Create*. The Create Node web page dialog shown below is displayed.

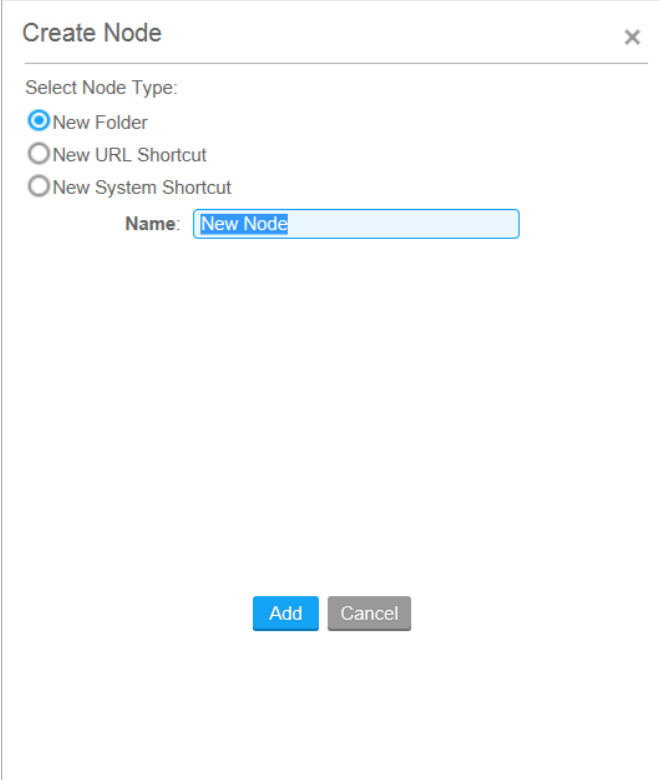


Figure 2-21 shows a dialog box titled "Create Node" with a close button (X) in the top right corner. The dialog contains the following elements:

- Select Node Type:** Three radio button options:
  - New Folder
  - New URL Shortcut
  - New System Shortcut
- Name:** A text input field containing the text "New Node".
- Buttons:** Two buttons at the bottom: "Add" (highlighted in blue) and "Cancel" (greyed out).

Figure 2-21: Create Nodes web page dialog - New Folder

- 4 Select **New Folder**, and type a name for the folder in the *Name* field.
- 5 Click Add.
- 6 Click Save.

## Renaming a shortcut or folder

You can rename the new shortcut folder or an existing folder, and you can rename the shortcuts within the folders.

- 1 Select the shortcut or folder that you want to rename as shown below.
-

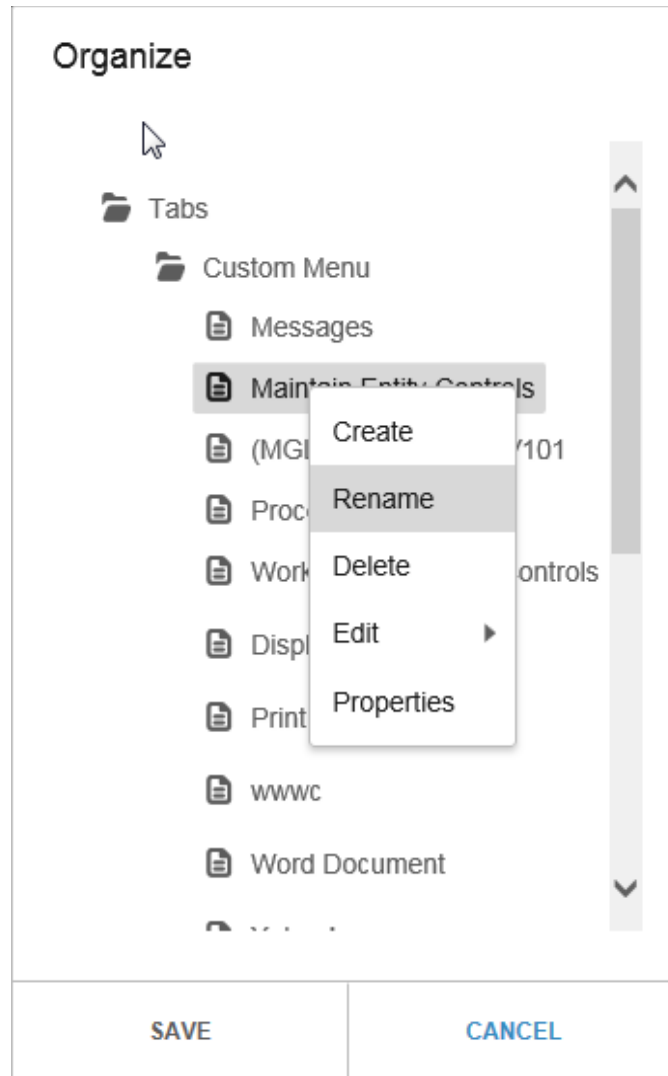


Figure 2-22: Organize web page dialog

- 2 Right-click and select *Rename* from the list of options. Type the new name and click Save.

## Moving a shortcut to another folder

You can move a shortcut from folder to another.

- 1 Select the shortcut from the Organize web page dialog shown below.

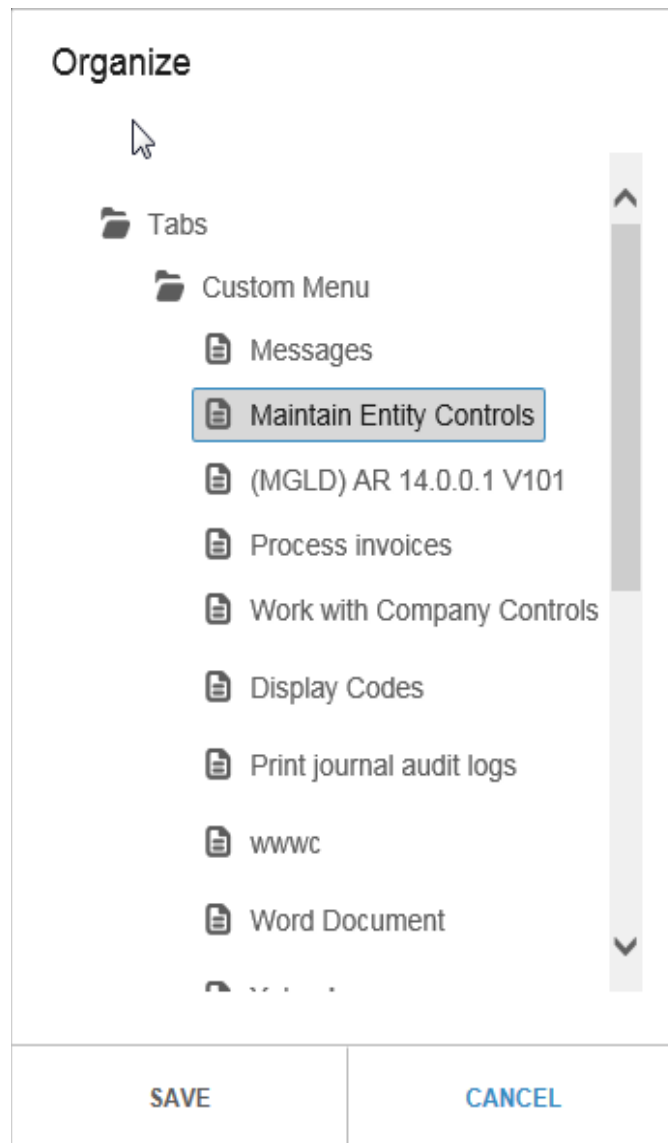


Figure 2-23: Organize web page dialog

- 2 Drag and drop the shortcut to the desired location.

## Deleting a shortcut or folder

You can delete an existing shortcut or folder.

- 1 Select the shortcut or folder from the Organize web page dialog.
- 2 Rick-click a menu option to display a list of options.

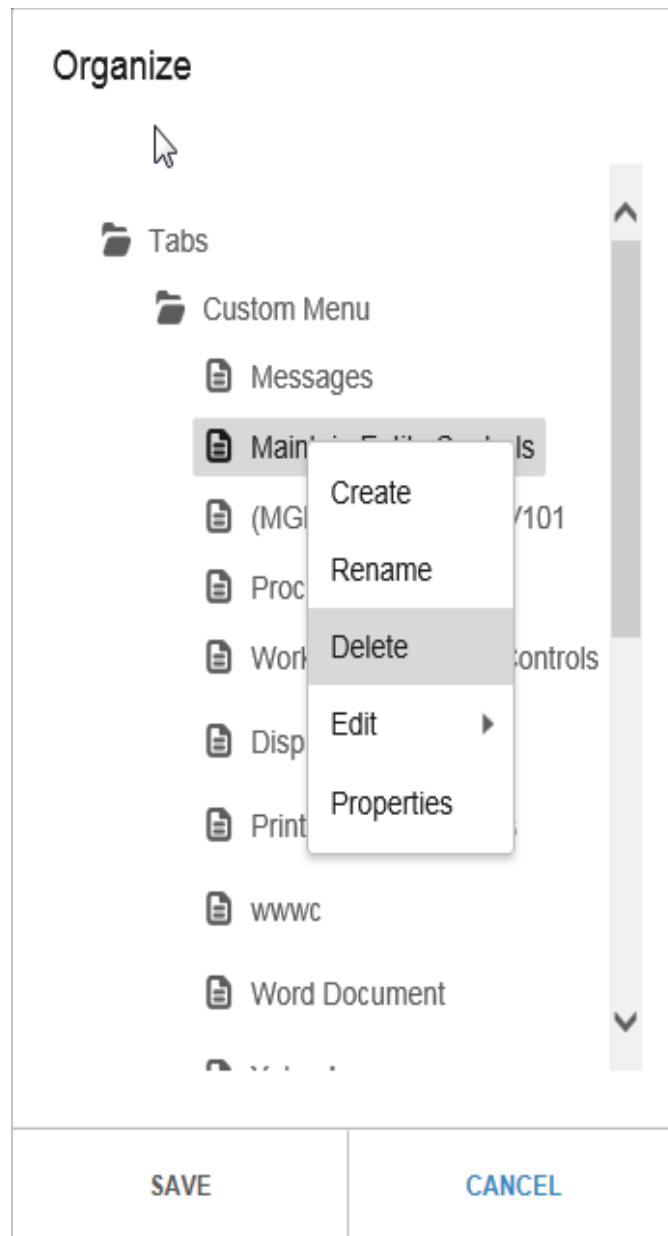


Figure 2-24: Organize web page dialog

**3** Select *Delete*.

If you select to delete a folder, and subfolders and shortcuts within the selected folder are deleted.

## Viewing shortcut properties

Complete the steps below to view the properties of a shortcut.

- 1 Select the shortcut from the Organize web page dialog.
- 2 Select a shortcut or folder and right-click to display a list of options as shown below.

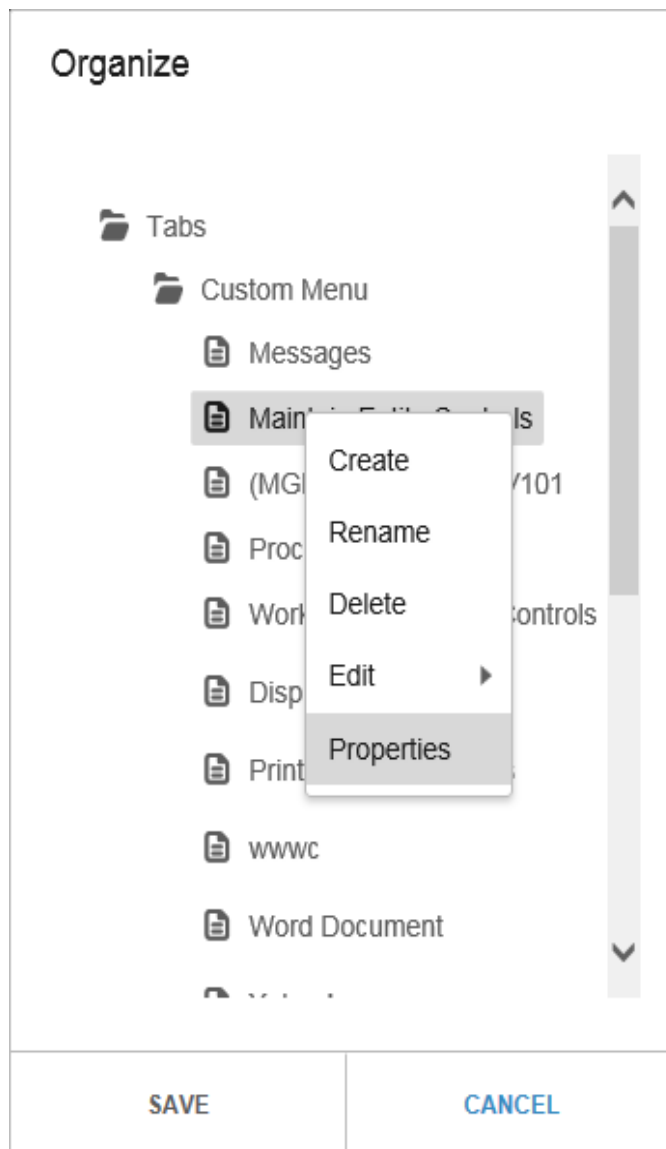


Figure 2-25: Organize web page dialog

- 3 To edit the shortcut properties, select *Properties*. The Edit Properties dialog shown below is displayed.

**Edit Properties**

Select Node Type

New Folder

New URL Shortcut

New System Shortcut

**Name**

Maintain Entity Contro

**System**

AR

**Version**

101

**Job Name**

MEC

**SAVE** **CANCEL**

Figure 2-26: Edit Properties web page dialog

- 4 Change the field information on the Properties dialog page as required.
- 5 Click Save.
- 6 To edit the shortcut properties of an external shortcut, right-click an external shortcut from the Organize web page dialog and click *Properties*.

## Edit Properties

Select Node Type

New Folder

New URL Shortcut

New System Shortcut

**Name**

Yahoo!

**Address**

http://www.yahoo.com

**SAVE** **CANCEL**

Figure 2-27: Edit Properties web page dialog

- 7 On the Edit Properties web page dialog, type the new web address in the *Address* field.
  - 8 Click Save.
-



## Saving custom menu options

After you complete your custom menu options, you must save your changes to the IFS folder structure.

Click Save to save the new Custom Menu to the application folder, `\\WEBTOP_EARS\menu\portnumber\custom`. Replace the *portnumber* with the port number you use when you access the Webtop Server application.

### User Menu

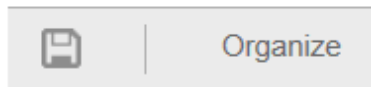


Figure 2-28: User Menu selections

The system displays a message in the VBScript: Save shortcuts page.

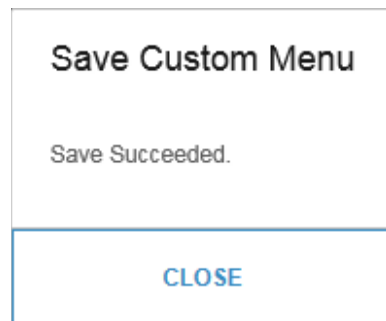


Figure 2-29: Save Custom Menu web page dialog

The system saves the custom menu to an XML file and uses the naming convention of user name and language, for example, **AM2000CustomMenuen-us.xml**. Below is an example of a custom XML file.

```
node name="Custom Menu" opened="1" root="yes" default="yes" ID="node_0"
SIZE="11" CAPNAME="CUSTOM MENU">
<document InfPlatform="infinium" InfDescript="Work with Entity Controls"
InfJobName="WWE" InfVersion="0" InfSystem="CA" InfHelpDistPort=""
InfHelpDistHost="" InfHelpDistWeb="false" InfLangCode="ENU"
InfCommandParam="//WWE" InfSystemDesc="" name="Work with Entity Controls"
SourceId="menu" ID="document_1" SIZE="25" CAPNAME="WORK WITH ENTITY
CONTROLS"/>
<document InfPlatform="infinium" InfDescript="Enter New Hires"
InfJobName="PEMFI005" InfVersion="402" InfSystem="PE" InfHelpDistPort=""
```

```
InfHelpDistHost="" InfHelpDistWeb="false" InfLangCode="ENU"  
InfCommandParam="//PEMFI005" InfSystemDesc="" name="Enter New Hires"  
SourceId="menu" ID="document_2" SIZE="15" CAPNAME="ENTER NEW HIRES"/>  
<document InfPlatform="infinium" InfDescript="Update Recruitment Costs"  
InfJobName="PEMFI042" InfVersion="402" InfSystem="PE" InfHelpDistPort=""  
InfHelpDistHost="" InfHelpDistWeb="false" InfLangCode="ENU"  
InfCommandParam="//PEMFI042" InfSystemDesc="" name="Update Recruitment  
Costs" SourceId="menu"/>  
</node>
```

You should make a back-up copy of the user's custom XML file.

If the user ID is removed from the system, for example, they are no longer employed by the company; you should remove their custom XML file from the system.

---

## Executing a custom menu option

WebTop Server provides two methods of executing a menu item for Infor products from the custom menu.

- Launching the menu option in the same environment in which you create the option
- Launching the menu option into a system that is different from the system from which you originally create the menu option

### Launching a menu option in the same environment

To launch a menu option in the same environment in which you create it, click the menu item from the Custom Menu.

### Launching a menu option into a different system

Follow the steps below to launch a menu option into a different system.

- 1 Right-click the menu item, for example, Order Entry:: ORD700D. The system displays a pop-up window that lists various environments as shown in the figure below.
-

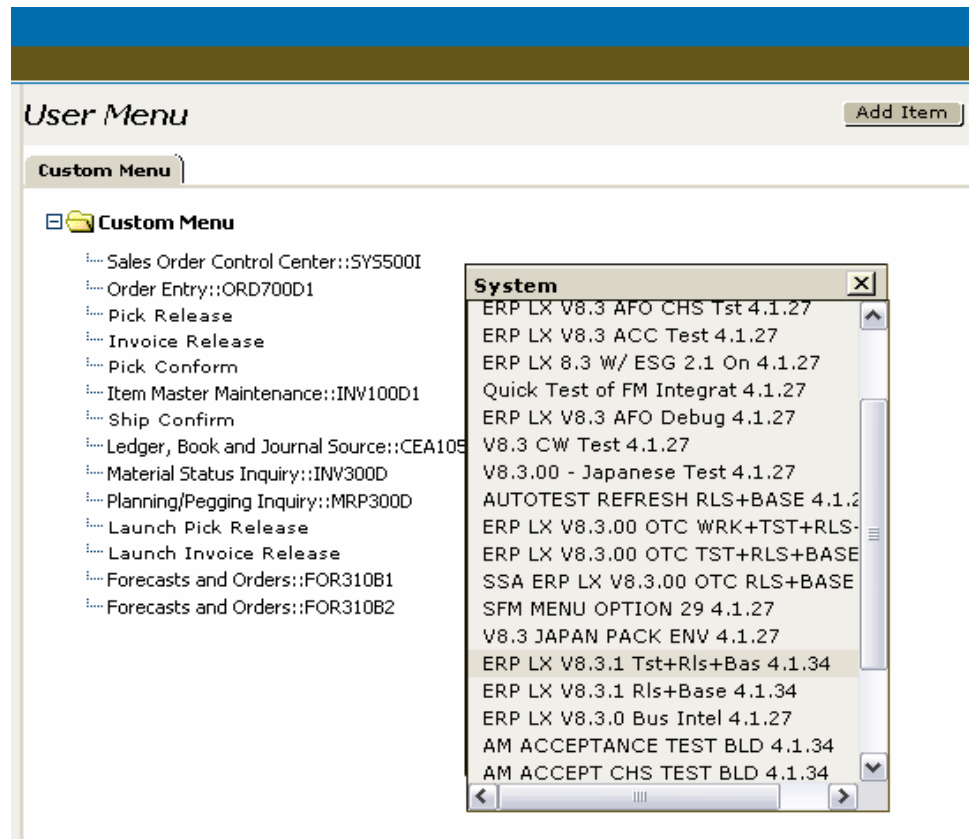


Figure 2-30: Custom Menu page

- 2 Select the system (environment) into which to launch the menu item, for example ERP LX V8.3.1 Tst+Rls+Bas 4.1.34. You see only your authorized systems. When you place your cursor over a menu item on the Custom Menu, the system displays the system description in the Internet Explorer status bar.

The chapter consists of the following topics:

<b>Topic</b>	<b>Page</b>
Overview	3-2
Using attachment rule maintenance (ATRULE)	3-3
Attaching attachment rules to a panel or display file	3-13
Resetting the run-time generation flag in the W3PDFV file	3-15

## Overview

You use attachment rules to create and maintain image and HTTP anchor tags that you can attach to an application panel.

To attach rules to an application panel, you must add a manual decorator to the W3PDEC file. You can add the decorator to the following levels:

- System

To show an attachment decorator at the System level, set `dedisply = ' '` and `delibrary = ' '`.

- Display File

To show an attachment decorator at the Display File level, set `deformat = ' '`.

- Format

After you set a decorator at the Display File or System level, you can no longer use the web server user interface or the WTRDM command to edit the decorator.

After you make changes to the attachment decorators, you should perform these tasks:


- Reset the user interface

Update `PlatformLibraryName/W3PDFV SET FVC00102=' '`

WHERE `FVSYSYD = 'System Designator'`

- Clear the Internet browser cache

## Using attachment rules from the web user interface

You can apply attachment rules as described above from the System i interface, or you can use the Attachment Rules web icon  when you use the web user interface. For more information, see the “Customizing and Configuring Application Screens” chapter.

---

## Using attachment rule maintenance (ATRULE)

You use the ATRULE command to create and maintain attachment rules for images and HTTP anchor tags that you can attach to an application panel. The ATRULE command calls the W3GRULEM program. The system stores attachment definitions in the W3PATRULE file in your platform library.

The ATRULE utility program supports attachment rules for the following URL types:

- Absolute URL

For example, `http://`

- Relative URL

For example, entering 'pictures' for the PREFIX uses the running path and appends '/' + 'pictures' to the running path as follows:

```
running path =  
'http://mymachine:8010/inabler/web/httproot/pages/main/content' + '/' +  
'pictures'
```

- Application context root

Using a supported/installed context root directs the request to the installed context root. For example, using `/INFINIUM/web/httproot/pictures` uses the following URL:

```
'http://machine:8010' + '/INFINIUM/web/' + 'pictures'
```

Complete the steps below to run the ATRULE utility.

- 1 Position the cursor at a command line on the iSeries.
- 2 Type the following commands and press Enter after each one.

**ADDLIBLE (platform library name)**

Where platform library name is the name of your platform library, for example, AM2000

**ATRULE**

The system displays the Attachment Rule Maintenance screen similar to the one displayed below.

```
W3GRULEM          Attachment Rule Maintenance          13:26:14
-----
System   _
Release  ==
Mod      -
-----
                               Cmd 3 = Exit
```

Figure 3-1: Attachment Rule Maintenance prompt screen

- 3 Use the information below to complete the fields on this screen.

*System*

Type the system for which you are creating a URL.

*Release*

Type the release for the product for which you are creating a URL.

*Mod*

Type the modification level for the product for which you are creating a URL.

- 4 Press Enter. The system displays the Attachment Rule Maintenance screen similar to the one displayed below.



```

_ W3GRULEM          Attachment Rule Maintenance          12:46:37
-----
System PE  Release 10  Mod 3

Type Option(s) and press Enter
  2=Change 4=Delete 5=Display

Opt Rule/Description          Type

-----
                        Cmd 3=Exit  Cmd 5=Refresh  Cmd 6=Add  Cmd 12=Cancel

```

Figure 3-2: Attachment Rule Maintenance screen

On this screen you can perform the following actions:

- Change an attachment record by typing **2** in Opt next to the record to change
  - Delete an attachment record by typing **4** in Opt next to the record to delete
  - Display an attachment record by typing **5** in Opt next to the record to display
  - Create a new record by pressing F6
- 5 Press F6. The system displays the Attachment Rule Maintenance screen similar to the one displayed below.

W3GRULEM/DSP02		Attachment Rule Maintenance		12:54:43
System Key	83 / 08 / 3	Mode	Update	
Rule Name	GOOGLE			
Rule Description	Google link			
Rule Type	H Linked Rule			
Frame?	1			
Row	Column			
URL Text	Google link			
URL to build				
Host	Port			
Prefix	http://www.google.com			
Field substitutions				
Prefix	Field Name	Start	Length	Suffix
Suffix				
F3=Exit F5=View URL F12=Cancel				

Figure 3-3: Attachment Rule Maintenance screen

- 6 Use the information below to complete the fields on this screen and create up to three fields for the URL.

#### *Rule*

Type the name of this rule. For example, for an item image rule, you can use ITEM\_IMAGE or you can use a generic rule for the Google attachment rule such as **GOOGLE**. The name can include spaces.

#### *Desc*

Type a brief description for this rule.

Press F14 to use a MSGID instead of a String. The format of the MSGID is MSGID\_MSG0000\_MSGFILE\_nn. The use of MSGID allows for internationalization.

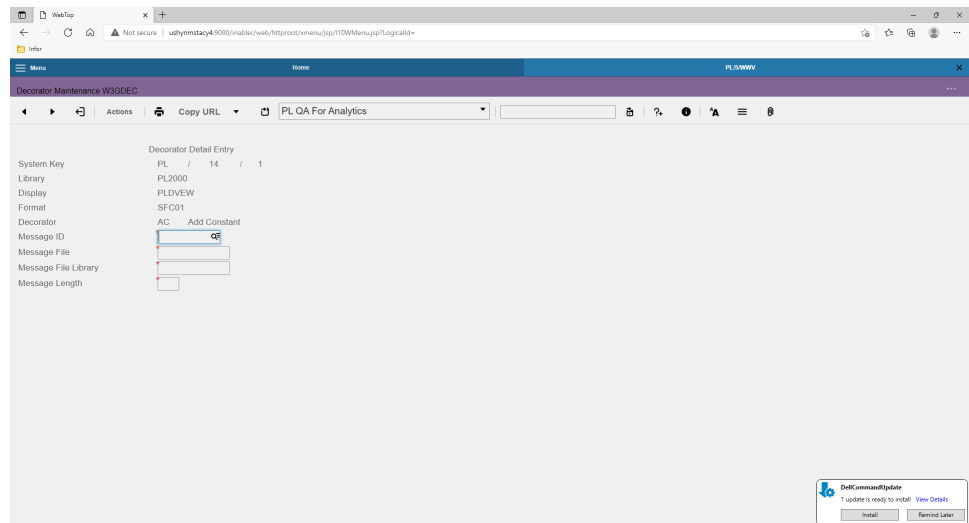


Figure 3-4: Document Detail Entry

### Type

Specify whether this attachment rule is an image or an HTTP anchor tag.  
Valid values are:

- I** Image
- H** HTTP anchor tag

### Linked Rule

Type the name of an existing attachment rule to launch when you click the image.

### Frame

Type **1** to show the image in the help frame. If you type **0**, you must specify row and column values in the *Row* and *Col* fields.

### Row

Type the number that represents the row position on the screen for this attachment.

### Col

Type the number that represents the column position on the screen for this attachment.

### *URL Text*

Type the text to display on the screen for the URL.

For an image, **I**, this is alternate text. For an HTTP anchor tag, **H**, the text you type here is the text on the screen.

### *Host*

To override the existing host values, specify the new host.

### *Port*

To override the existing port values, specify the new port.

### *Prefix*

Type the beginning of the URL, for example, **http://** or the relative path to the files to be displayed, for example, **pictures/**.

### *Field Prefix*

Type the prefix for the specific field. For example, for an item number **123**, if you specify **PRODUCT** as a field prefix, the result in the URL is **PRODUCT123**.

### *Field Name*

Type the name of the field to substitute its value into the URL. In addition to any field name on the display, you can use the following system values, which are substituted at run-time:

- **\_sys\_**
- **\_rls\_**
- **\_mod\_**
- **\_lib\_**
- **\_plat\_**
- **\_jobn\_**
- **\_ver\_**
- **\_display\_**
- **\_format\_**

### *Field Start*

If you are substituting a value for the field and it is a partial field substitution, type the position within the field where the substitution starts.

---

### Field Length

Type the length of the field from the starting position.

### Field Suffix

Type the ending value of the field, for example **.gif** or **.pdf** for a field substitution or **/"** if this is a directory.

Press Enter to save the attachment rule, or if the three template fields do not meet your needs, press F5 to display the complete URL string. You can override the URL with text that meets your requirements. When you press F5, the system displays a screen similar to the one below.

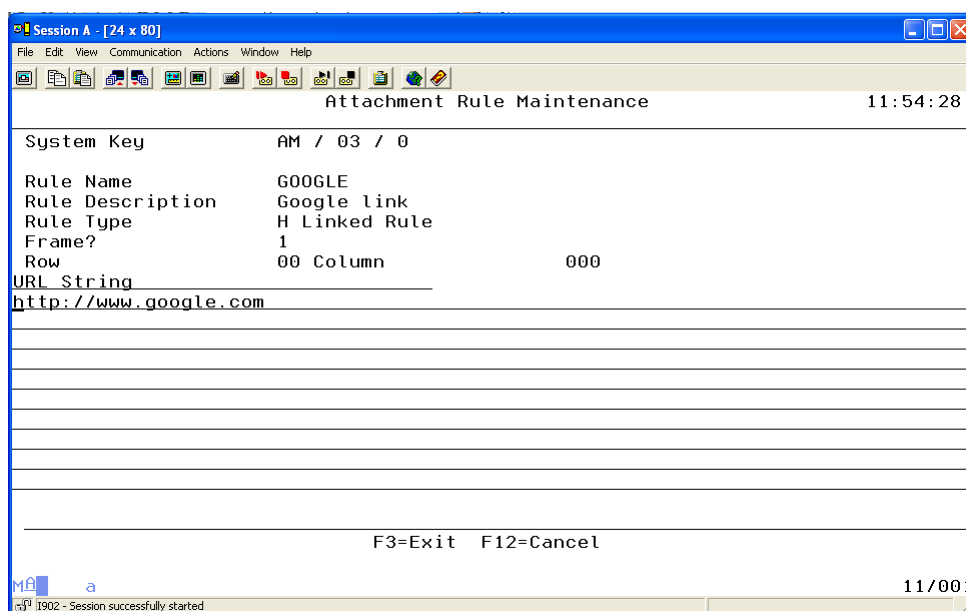


Figure 3-5: Attachment Rule Maintenance override screen

### 7 Modify the URL string field.

**Note:** After you manually modify the URL string field, you cannot change the first three template fields. You must make additional modifications on the override screen.

### 8 Press Enter to save the attachment rule.

## Attachment rule examples

Below are three examples of attachment rules.

### Example of an attachment rule for an absolute URL

In this example, the rule name is **GOOGLE**. The description is **Google Search Engine**. The type is **H**, HTTP anchor tag. The URL text on the help frame web page is **Google Search**. The URL that launches the attachment is **http://www.google.com/**. When you click the URL, the system launches the home page for the Google Search Engine.

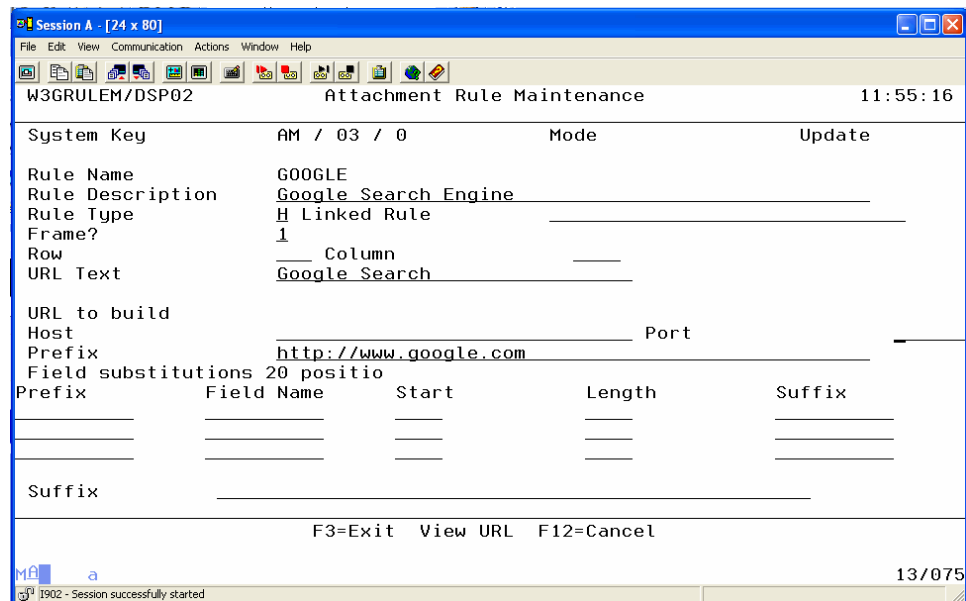


Figure 3-6: Attachment Rule Maintenance screen for an absolute URL

### Example of a relative link attachment rule

In this example, the rule is **INV100F2.SCR001.PRODUCTPICT**. The description is **Product Picture Link**. The type is **H**, HTTP anchor tag, is in the help frame. The URL text on the help frame web page is **Parts List**.

A dynamic link uses the field value at run-time and substitutes it into the URL. This allows the content of the URL to change as data changes.

In this example, the system appends the **.pdf** file extension to the value you enter in the *Field Name* field, in this case, **WK0039** and then appends this to the value **pictures/** in the *Field Prefix* field. If, for example, the value of **WK0039** is **123**, then the file is **pictures/123.pdf**.

Session A - [24 x 80]

File Edit View Communication Actions Window Help

W3GRULEM/DSP02 Attachment Rule Maintenance 12:10:38

System Key 83 / 08 / 3 Mode Update

Rule Name INV100F2.SCR001.PRODUCTPICT

Rule Description Product Picture Link

Rule Type H Linked Rule

Frame? 1

Row Column

URL Text Parts List

URL to build

Host Port

Prefix pictures/

Field substitutions 20 positio

Prefix	Field Name	Start	Length	Suffix
	WK0039			

Suffix .pdf

F3=Exit View URL F12=Cancel

06/043

1902 - Session successfully started

Figure 3-7: Attachment Rule Maintenance screen for a relative link

### Example of an attachment rule with no slash in the *Field Prefix* field

In this example, the rule is **ADMIN**. The description is **INFINIUM ADMIN LINK**. The type is **H**, an HTTP anchor tag, which the system displays in the help frame. The URL text on the help frame web page is **Infinium Admin**. The URL to launch is **/inabler/Admin**. When you click the URL, the system launches the Infinium Admin Servlet web page.

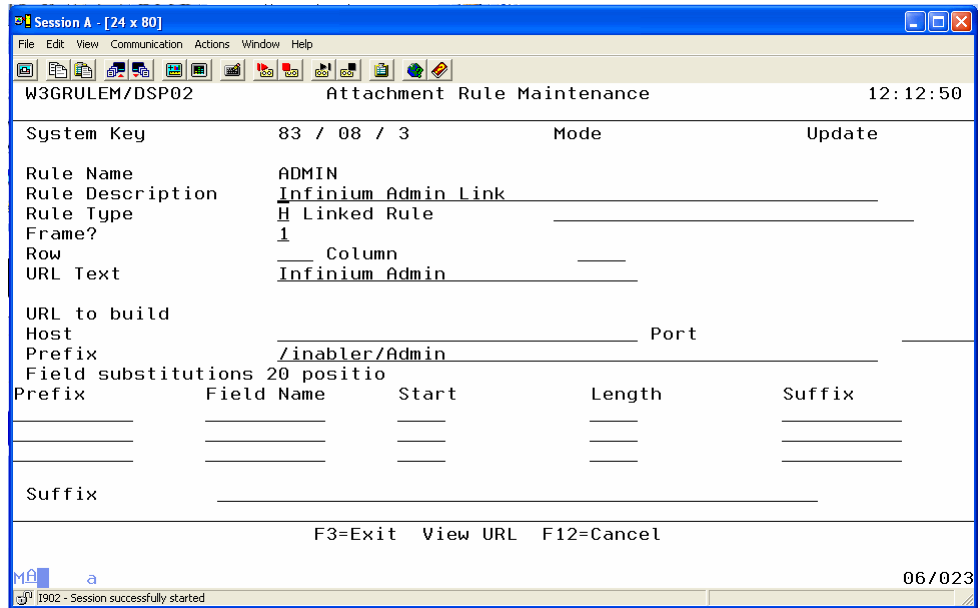




Figure 3-8: Sample Attachment Rule with no slash



## Attaching attachment rules to a panel or display file

To attach rules to a display file, you must add a manual decorator to the W3PDEC file. You can add the decorator to the application panel by using the WTRDM command or by using the designer mode icon  from the web panel.

Using Designer Mode from within the web page, to place the panel in Designer Mode, click the Designer Mode icon .

To enable Designer Mode, update the following directive in file \\WEBTOP.ear\IWEBTOP.war\web\httproot\xml\web\_properties.xml

```
<InfPanelRenderSwitch enabled="N" enabledFor="*ALL"/>
Set enabled="Y"
Set enabledFor to either *ALL for all users or replace *ALL with a list of user
profiles that are to be enabled to use Designer Mode. Example
enabledFor="AM2000, PE2000, USER1"
```

## Examples of attachment rules

Below are three examples of attachment rules.

### System level attachment example

In this example, the NASDAQ attachment rule is attached to all display files in the system, release, and modification.

```
DEDISPLY = ''
DEFORMAT = ''
DETYPE = 'TF'
DEMAN = 'Y'
DEXML = <tf><r n="NASDAQ"/></tf>
```

You must specify the following values for manual decorators:

- **TF** in the *DETYPE* field which indicates it is the third field
- **Y** in the *DEMAN* field which indicates it is manual

### Display file attachment example

In this example, the NASDAQ attachment rule is attached to all formats for the PRDCCOM display file in the specific system, release and modification.

```
DEDISPLY = 'PRDCCOM'  
DEFORMAT = ''  
DETYPE = 'TF'  
DEMAN = 'Y'  
DEXML = <tf><r n="NASDAQ"/></tf>
```

You must specify the following values for manual decorators:

- **TF** in the *DETYPE* field which indicates it is the third field
- **Y** in the *DEMAN* field which indicates it is manual

### Format level attachment example

In this example, the attachment rules INV100F2.DSP01.ITEMMSDS, INV100F2.DSP01.PRODUCTPICT and GOOGLE are attached to the display file TESTPGMFM, and the format DSP01.

The values in the DEXML field are on a single line.

```
DEDISPLY = 'TESTPGMFM'  
DEFORMAT = 'DSP01'  
DETYPE = 'TF'  
DEMAN = 'Y'  
DEXML = <tf><r n=" INV100F2.DSP01.ITEMMSDS"/><r n=" INV100F2.DSP01.PRODUCTPICT"/><r n="GOOGLE"/></tf>
```

You must specify the following values for manual decorators:

- **TF** in the *DETYPE* field which indicates it is the third field
  - **Y** in the *DEMAN* field which indicates it is manual
-

## Resetting the run-time generation flag in the W3PDFV file

You must manually run the following SQL command in an SQL session to reset the run-time generation flag in the W3PDFV file in the platform library:

```
UPDATE PlatformLibraryName/W3PDFV SET FVC00102 = ''  
WHERE FVDISPLAY = ' DisplayFileName'
```

Where *PlatformLibraryName* is the name of your Platform Library, such as AM2000 and *DisplayFileName* is the name of the display file. The display file name is case sensitive.

For example:

```
UPDATE AM2000/W3PDFV SET FVC00102 = ''  
WHERE FVDISPLAY = 'TESTPGMFM'
```

---

## Notes

The chapter consists of the following topics:

<b>Topic</b>	<b>Page</b>
Overview	4-2
Enabling WebTop Server routing	4-3
Routing jobs by port and job description	4-4
Routing jobs by user and job description	4-5

## Overview

WebTop Server provides the capability to route Webtop server runtime jobs to a specified job description. The job description then dictates the job queue and the subsystem to use.

## Enabling WebTop Server routing

Complete the steps below to enable routing in WebTop Server.

- 1 At an iSeries command line, type the following commands and press Enter after each command:

**ADDLIB** *platformlibrary*

**STRSQL**

Replace *platformlibrary* with the correct name of your Webtop Server platform library.

- 2 To enable routing, type the following command at the SQL command line to set 'jobd.route.use' to true in the W3PPROP file:

**UPDATE W3PPROP SET PRRECORD='jobd.route.use=true' where PRRECORD='jobd.route.use=false'**

- 3 Continue to the "Routing jobs by port and job description" or "Routing jobs by user and job description" sections.
-

## Routing jobs by port and job description

Complete the steps below to enable routing by port and job description within WebTop Server.

Routing jobs by port is an example of regional use of the routing feature. You must create a port for each site location (region) in the WebSphere virtual host for the application server running WebTop Server. Each site location uses a different port to access Webtop Server. Program W3GJOB uses the port number to route the job to the correct job description.

- 1 Type the following command at the SQL command line to create the routing record in the W3PPROP file:

```
INSERT INTO W3PPROP (PRSYSD, PRRLS, PRMOD, PRDISPLY,  
PRSEQ, PRRECORD) VALUES(" ", " ", " ", " ", 0,  
'jobd.route.port.001=&PORT.&JOBNAME')
```

Replace *&PORT* with the correct port number to use to access the WebTop Server application. Replace *&JOBNAME* with the correct job description to use to submit the WebTop Server jobs to the specified subsystem.

You must create a property file entry for each port to route jobs to a given subsystem. The new job description must reside in the library specified in the INLLIBL parameter on the QZRDSSRV job description to submit jobs correctly.

For each additional W3PPROP record, the number you substitute for xxx in the **jobd.route.port.xxx** field must be one higher than the number you previously entered. The numbers must be sequential, starting with **001**. For example, if you entered **jobd.route.port.001**, the next value you enter is **jobd.route.port.002**.

- 2 Press F3 and then press Enter to save and exit the SQL session.
- 3 Type the following command at an iSeries command line and press Enter after the command:

```
RMVLIBLE platformlibrary
```

Replace *platformlibrary* with the correct name of your WebTop Server platform library.

---



## Routing jobs by user and job description

Complete the steps below to enable the routing feature by user and job description within WebTop Server.

- 1 Type the following command at the SQL command line to create the routing record in the W3PPROP file:

```
INSERT INTO W3PPROP (PRSYSD, PRRLS, PRMOD, PRDISPLY,  
PRSEQ,PRRECORD) VALUES(" ", " ", " ", " ", 0,  
'jobd.route.user.001=&USER.&JOBNAME')
```

Replace *&USER* with the correct user profile to use to log on to the WebTop Server application. Replace *&JOBNAME* with the correct job description to use to submit the WebTop Server jobs to the specified subsystem.

You must create a property file entry for each user. The system routes the job based on the user and the job description. The new job description must reside in a library specified in the INLLIBL parameter on the QZRDSSRV job description to submit jobs correctly.

For each additional W3PPROP record, the number you substitute for xxx in the **jobd.route.user.xxx** field must be one higher than the number you previously entered. The numbers must be sequential, starting with **001**. For example, if you entered **jobd.route.user.001**, the next value you enter is **jobd.route.user.002**.

- 2 Press F3 and then press Enter to save and exit the SQL session.
- 3 Type the following command at an iSeries command line and press Enter after the command:

```
RMVLIBLE platformlibrary
```

Replace *platformlibrary* with the correct name of your WebTop Server platform library.

---

## Notes

---

# Chapter 5 Customizing and Configuring Application Screens

# 5

The chapter consists of the following topics:

<b>Topic</b>	<b>Page</b>
Overview	5-2
Accessing change font and designer mode	5-3
Creating the ability for users to create decorators for *ALL	5-5
Assigning the Role of Web Designer Admin	5-6
Changing fonts	5-7
Using designer mode to create and update attributes for fields and screens	5-8
Defining attachment rules	5-61
Copying and Pasting	5-67

---

## Overview

You have the ability to customize and configure the graphical interface of an application that you run with WebTop Server. You can work with the following:




- Change the text font on screens from proportional to fixed-width
- Use designer mode to create or update fields with various attributes, for example radio buttons
- Modify attachment rules

Requests made from the web are processed by WebTop Server the same as using the WTRDM command from a green screen.

---

## Accessing change font and designer mode

To display the following Change Font, Designer Mode, and Attachment Rules icons on your application toolbar in web mode, you must change the properties file:

Icon	Button name
	Change Font
	Designer Mode
	Attachment Rules

Complete the steps below to change the properties file.

- 1 For WebSphere running on the IBMi, use Microsoft Windows Explorer to map a network drive to the QIBM folder on your host IBM i.
- 2 For all versions of WebSphere, open a text editor, such as Windows Notepad, and then open the `web_properties.xml` file located in the folder below. Replace *hostname* with the name of your IBM i. The *hostname* value is case sensitive.

- For IBM WebSphere Application Server V8.5 BASE for the IBMi, the path for your application server is:

```
QIBM/UserData/WebSphere/AppServer/V85/Base/profiles/default/  
installedApps/hostname/IWEBTOP.ear/IWEBTOP.war/  
web/httproot/xml
```

- For IBM WebSphere Application Server V8.5 for Windows, the path for your application server is:

```
drive:\websphere_install_dir\AppServer\profiles\default\  
installedApps/hostname\IWEBTOP.ear\IWEBTOP.war  
web\httproot\xml
```

After you type the appropriate command, the system displays the properties file.

- 3 Update the enabled attribute of the `InfPanelRendererSwitch` xml tag to **Y**.
- 4 To restrict access to the customization icons, change **\*ALL** in the `enabledFor` attribute of the `InfPanelRendererSwitch` xml tag to the user IDs of those for whom you want access. User profiles must be comma delimited.

The example below enables the designer mode only for user profiles ABC and DEF.

```
<InfPanelRendererSwitch enabled="Y" enabledFor="ABC,DEF"/>
```

**5** Save and close the file.

After you change **N** to **Y**, the system displays the customization icons on the toolbar of the application similar to the screen below.

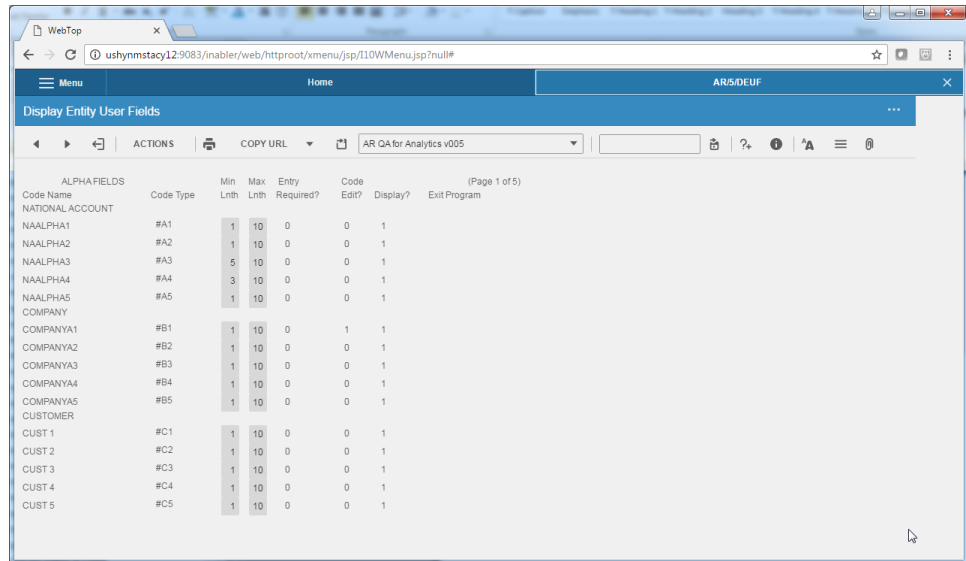


Figure 5-1: Application screen showing customization icons

## Creating the ability for users to create decorators for \*ALL

Add a row to W3PPROP:

Example SQL:

Replace **USERPROFILE** with the IBM i user profile for which to provide the ability to create decorators for \*ALL users.

Replace **PLATFORM** with **INFINIUM** if you are using the Infor Infinium suite or **BPCS** if you are using the Infor LX suite.

Replace *nnn* with the next sequential number (001-010).

All other columns may remain \*blank.

10 Web Designer administrators are supported.

```
INSERT INTO AMGA030/W3PPROP (PRSYSD, PRRLS, PRMOD,
PRDISPLY, PRSEQ, PRRECORD, PRLASTCH, PRLUSER) VALUES(" ", " ", " ",
", 0, 'PLATFORM.USERPROFILE.ROLE.nnn=WEBDESIGNERADMIN',
02022001, ")
```

---

## Assigning the Role of Web Designer Admin

WebTop decoration can be done at two levels: User and ALL. By default, all changes by a User are for just that logged on user. A role of Web Designer Admin must be assigned to provide the ability to make designer modifications for ALL users.

To grant the role of Web Designer Admin:

1 Add a row to the WebTop Properties file W3PPROP:

- For WebTop Server users accessing Infinium panels, the W3PPROP row takes the following form. Where 'INFINIUM' matches the context root for Infinium applications. Substitute the IBM i User Name for the value 'UUUUU'. There is then a sequence number.

```
INFINIUM.UUUUU.ROLE.001=WEBDESIGNERADMIN
```

- For WebTop Server users accessing ERP Lx panels, the W3PPROP row takes the following form. Where 'BPCS' matches the context root for ERP Lx applications. Substitute the IBMi User Name for the value 'UUUUU'. There is then a sequence number.

```
BPCS.UUUUU.ROLE.001=WEBDESIGNERADMIN
```

2 End all jobs in the IWEBTOP subsystem for the given user. This is necessary as the fact that a logged-on user is or is not a Web Designer Admin is persisted at the job level.

Once these steps are completed, the next time the Change Font or Web Designer icons are selected, the dialog below is displayed so that the user with a role of Web Designer Admin can choose to apply the changes for the logged-on user or all users.

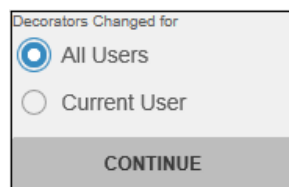




Figure 5-2: Decorates Changed for dialog



## Changing fonts

To change from a proportional to a fixed-width font, click the Change Font (fixed/proportional) icon on the application toolbar: 

To display the original font presentation, click the Change Font (fixed/proportional) icon on the application toolbar: 

---

## Using designer mode to create and update attributes for fields and screens

**Caution:** When you install an update to your Infor application that runs over WebTop Server and you previously applied manual decorators to the application, the update may override those manual decorators. Refer to the documentation associated with the update release for more information.

On an application screen, you can work in the designer mode of WebTop Server to add or modify the following field attributes. All maintenance panels are displayed in English only.

- Add Constant

This action allows the addition of a constant.

A Constant decorator is literal text that can be added to the page.

- Autofill

Create a default value to be placed in an input each time the page is rendered.

An Autofill decorator allows for a default value to be loaded into a given input on page load.

- Add Message ID

This action allows the addition of a Message ID.

A Message ID decorator allows the addition of text to a page using a message file/message ID.

- Adding attachments

This action provides the ability to add an attachment rule for a field.

Creation of Attachment Rules is covered in chapter 3 of this document.

Details of working with Attachment decorators are covered later in this document.

- Create a business context

- This action allows an Infor business context message to be attached to an Infor WebTop panel.
-

- One business context entity is published in the Infor business context message for each business context decorator and may contain a drill-back link to WebTop or another application for that business entity.
- Business context decorators function only when WebTop is accessed from Infor OS.
- Business context decorators are supported only at the GLOBAL \*ALL level.

**Note:** Business context messages are supported only through an Infor Consulting Services engagement.

- **Bold**

Use this to change text to bold font.

- **Button Action**

Use this to add a button that performs an action when clicked.

- **Create a Context Application**

- This action allows an Infor OS context application message to be attached to an Infor WebTop panel.
- An example is an address on an Infor Infinium panel that is communicated to a Map context application so that the address location can be shown on the map.
- Context application decorators function only when WebTop is accessed from Infor OS.
- Context application decorators are supported only at the GLOBAL \*ALL level.

**Note:** Context application messages are supported only through an Infor Consulting Services engagement.

- **Add a Date widget**

Use this action to place a calendar next to a date field from which you can select a date. This is also available for use with GRID.

- **Add an e-mail link**

Use this action to associate an e-mail link with a field. Click this link to launch the default browser's e-mail client where you can enter the address to which to send the e-mail. This is also available for use with GRID.

- **Add a GRID**

Use this action to associate a GRID control with a subfile.

- Add a GRID Exclusion

Use this action to create a GRID Exclusion. This is also available for use with GRID.

- Hide a field and cancel hiding it

Use this action to remove a field or all fields from visibility on a screen. Cancel this action to return the field's visibility to the screen. This is also available for use with GRID.

- Add an HTTP or URL link for a field

This action provides an icon next to a field that you can click to launch to the specified link. This is also available for use with GRID.

- Job End

Use this action to define at what point WebTop should take control and close the process down returning to its caller.

- List Box

The drop-down list box enables you to show valid inputs for a given field. This is an excellent replacement for where the old DDS VALUES clause was used.

- Long Running Job

Use this action to define this process as a long running job, such that it will not allow portal time-out to shut it down.

- Mask

The Mask decorator enables you to view formatting of numeric data that includes but is not limited to the currency symbol, thousands separator, decimal, negative sign, as well as formatting similar to Telephone Number or SSN. This is also available for use with GRID.

- Option Field

Define a field as an Option field, which can then be used to display a set of subfile options. This is also available for use with GRID.

- Create a program attachment

- This action allows an exit point to be created and a program called using data from the current panel.
- Program attachment decorators are supported only at the GLOBAL \*ALL level.

**Note:** Program attachments are supported only through an Infor Consulting Services engagement.

---

- Prompt

Add a prompt to a field to display and enable the use of the prompt icon. This is also available for use with GRID.

- Right Adjust

This action allows the text in the input to be right-adjusted by the framework.

- Create a radio button

This action provides a radio button next to a field that allows the user to specify an action by selecting or clearing the radio button.

- Required

This action allows the field to be marked as Required by placing the required indicator on the field. This is also available for use with GRID.

- Required Script

Required Script provides the ability to display a visible queue that a field is required as well as provide some browser side validation of the input. The Required Script decorator allows the process to be halted based on the desired FKEY Action, provides an error indicator, and shows user defined hover text of an error to be resolved.

- Roll Key

Use this action to place RollPrev and RollNext widgets in a subfile.

- Create a script decorator

- This action allows definition of JavaScript code that is executed when the page is displayed.
- Script decorators are supported only at the GLOBAL \*ALL level.

**Note:** Script decorators are supported only through an Infor Consulting Services engagement.

- Create Subfile Roll

Use Subfile Roll to produce additional rows returned from the application program. This is to be used when a subfile is coded as a “roll forward” subfile.

- Create a text box

This action provides a text box for a field.

---

- Move a screen title to the title bar

Use this action to move a screen title that is positioned on a screen to the title bar for the screen.

- Update a constant

Use this action to change the text for a message ID or field label on a screen. Cancel this action to return the field to its original text on the screen.

- Update a message id

Use this action to update a message ID assignment.

- Create a yes/no check box

Use this action to place a check box next to a field.

The system displays an icon to the left of each field that you can use to identify the attribute that you assigned to that field. To determine the attribute, you must click the icon as shown below.



Figure 5-3: Example of designer icon indicator

## Using designer mode to change the formatting for fields

### Applying a bold font to a field

Complete the steps below to apply a bold font to a field.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the field to change.
  - 3 Right-click the field. The system displays a list of actions.
-

- 4 Select Bold. The system adds the bold decorator to the field.

### Removing a bold font from a field

Complete the steps below to remove a bold font from a field.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Un-Bold. The system removes the Bold decorator from the field.

### Right aligning field text

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select an input field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Right Adjust. The field moves to the right.

### Returning text to its original alignment

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Right Adjust. The field returns to its original position.

### Moving text to the title bar

If the web conversion does not place the screen title in the title bar, you can move the screen title from its position on the screen to the title bar.

Complete the steps below to move the screen title.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
-

- 2 Select the title to move.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Title Field. The system moves the title to the title bar.
- 5 Press Enter.
- 6 Click the Designer Mode icon to deactivate designer mode.
- 7 Click Exit from Actions to exit to the application screen.

### Removing the title from the title bar

Complete the steps below to remove the title from the title bar.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the title to remove.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Title Field.
- 5 Press Enter. The system returns the title to its original position.
- 6 Click the Designer Mode icon to deactivate designer mode.
- 7 Click Exit from Actions to exit to the application screen.

### Updating a constant

Complete the steps below to update a constant.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the output field to update.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select Update Constant. The system displays a screen similar to the screen below.
-



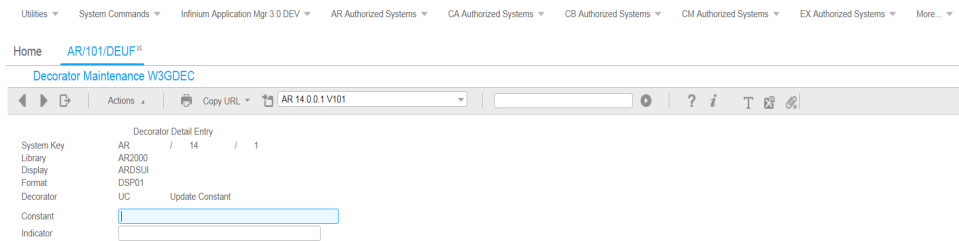


Figure 5-4: Update Constant Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

### *Constant*

Type the constant text to appear on the screen.

### *Indicator*

Specify a number from **1** to **99** that represents the indicator number within the program code for this display/format. For example, **72** could be a warning indicator that reverse images the constant text when an error is detected when processing the screen data.

Indicator combinations are supported:

- For AND conditions use ‘,’.
- For OR conditions use ‘O’.
- For NOT conditions use ‘N’.
- For example indicator 25 OR indicator 45 use 25O45.
- For indicator 25 AND NOT indicator 45 use 25,N45.
- For Indicator 25 AND 45 use 25,45.

- 6 Press Enter.
- 7 Click the Designer Mode icon to deactivate designer mode.
- 8 Click Exit from Actions to exit to the application screen.

## Canceling a constant update

Complete the steps below to cancel the constant update.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.

- 2 Select a field.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Update a Constant. The system displays a screen similar to the screen below.

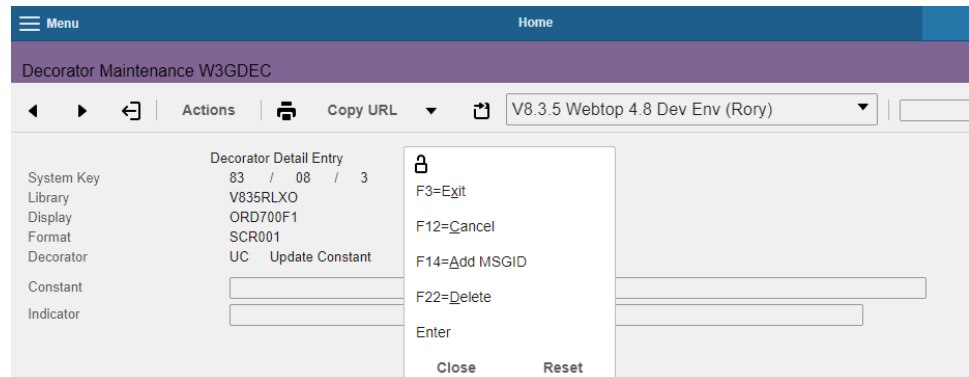


Figure 5-5: Update Constant Decorator Maintenance screen

- 5 Select F22=Delete from the Action pop-up.
- 6 Click the Designer Mode icon to deactivate designer mode.
- 7 Click Exit from Actions to exit to the application screen.

## Using designer mode to create and update attributes for fields

### Designer Mode general overview

- 1 Place the panel in designer mode by clicking the designer mode icon 

If users are authorized only to create decorators for themselves, they are placed in designer mode.

If a user is authorized to create decorators for \*ALL users, the user is presented with the following options where the user can determine whether to generate decorators for \*ALL or the current user.

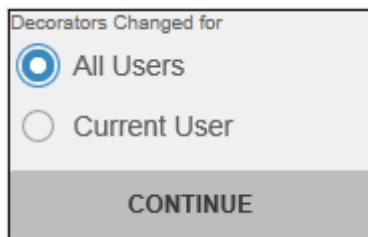


Figure 5-6: Decorators Changed for dialog

The user is now in designer mode. Each input/label has an “outline” around it.

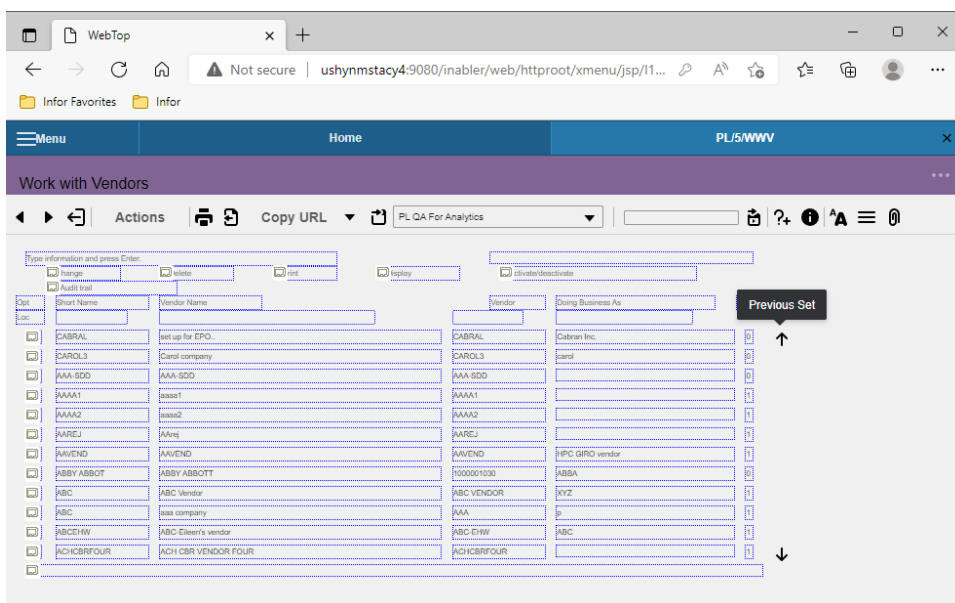


Figure 5-7: Work with Vendors screen in designer mode

- 2 Use left mouse click to select a field or fields. If you select multiple fields, they will all have the same decorator that you select from the pop-up applied to them.
- 3 For subfiles only one field in the column need be selected. Any decorator maintenance to the field is applied to all rows, as the field name is the same.

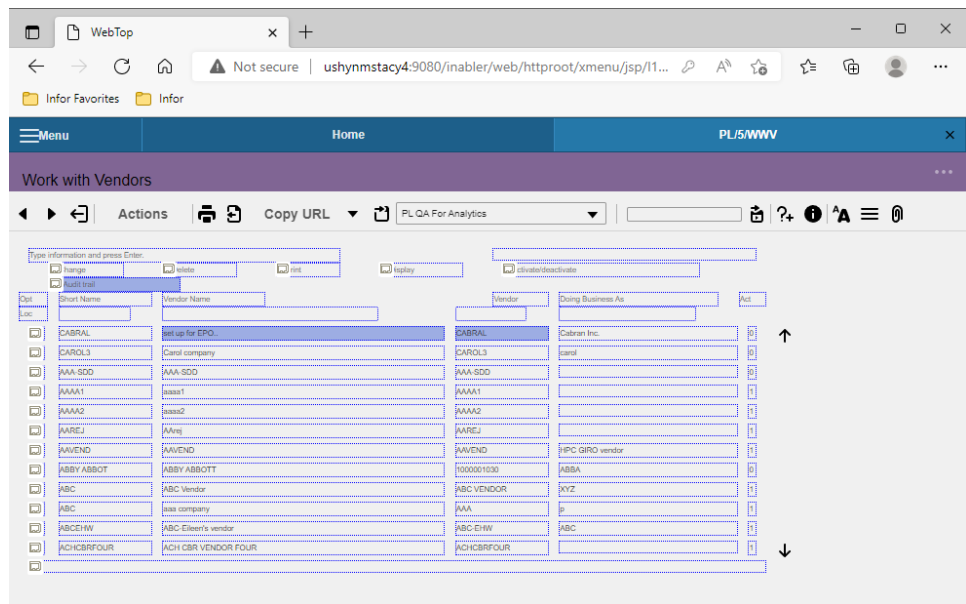


Figure 5-8: Work with Vendors screen in designer mode

- 4 When you have selected your field or fields, use the right-mouse button on one of the selected fields to display the decorator pop-up. Select the desired decorator from the pop-up.

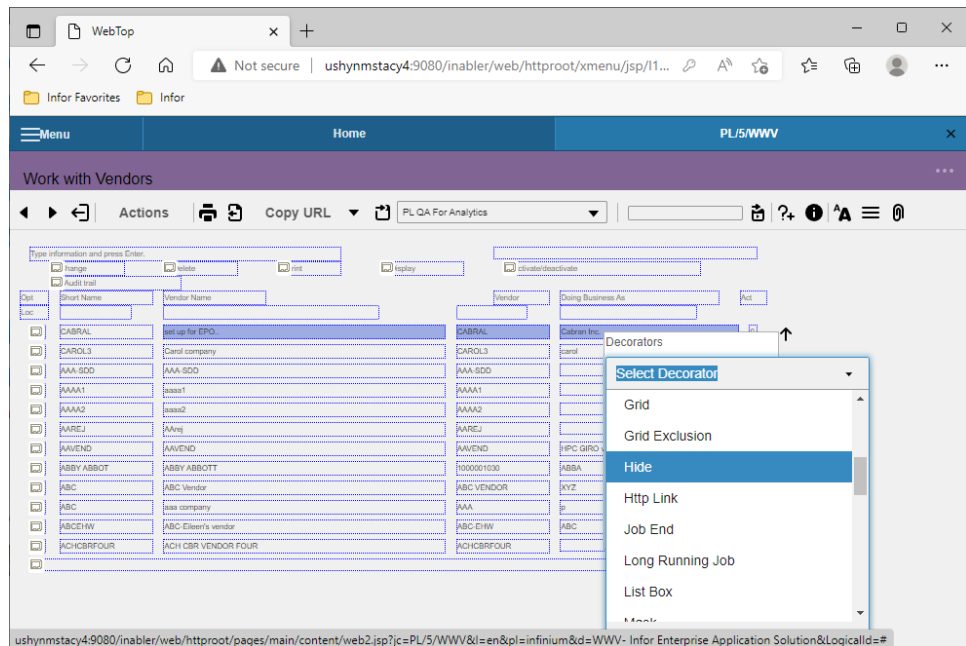


Figure 5-9: Select Decorator popup

You receive a confirmation message or messages of the decorators added or deleted.

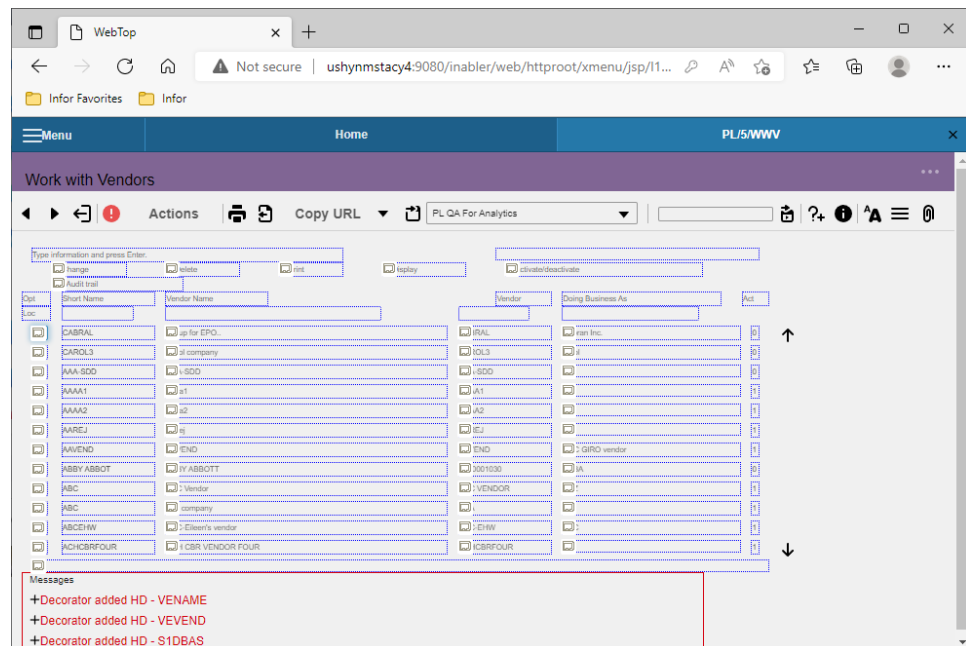



Figure 5-10: Confirmation messages

- 5 To deselect a field, left-mouse click the selected field and the highlight/select is removed.

Selecting a single field using the left-mouse click to select it and then using the right-mouse click on the field to display and select the desired decorator is the normal usage for adding or deleting a decorator.

- 6 When finished adding or deleting decorators, exit designer mode by clicking the designer icon .

## Adding an Autofill decorator

Use the Autofill decorator to add a default value to an input.

Complete the steps below to add an Autofill decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field to display a list of actions.
- 4 Select Autofill. The system displays a screen similar to the screen below.

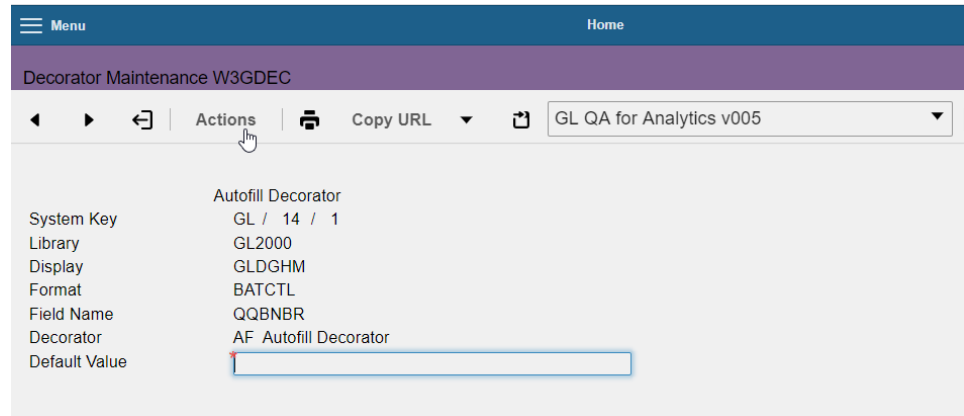


Figure 5-11: Autofill Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

*Default Value*

Type the value to be used as the default value for this input.

- 6 Press F14 to use a MSGID instead of a literal. The format of the MSGID is MSGID\_MSG0000\_MSGFILE\_nn. The use of MSGID allows for internationalization.
- MSGID – This is a literal entry that identifies the additional information as attributes for the MessageID.
  - MSG0000 – Replace with the Message ID, for example: CUX0123.
  - MSGFILE – Replace with the name of the MSGFILE to use. \*LIBL may be used to search the job library list for the message file, or a given library may be entered, for example: \*LIBL/CUMSGF or CUSTLIB/CUMSGF.
  - nn – This is the length to assign to this constant.
  - Example entry: MSGID\_CUX0123\_\*LIBL/CUMSGF\_25

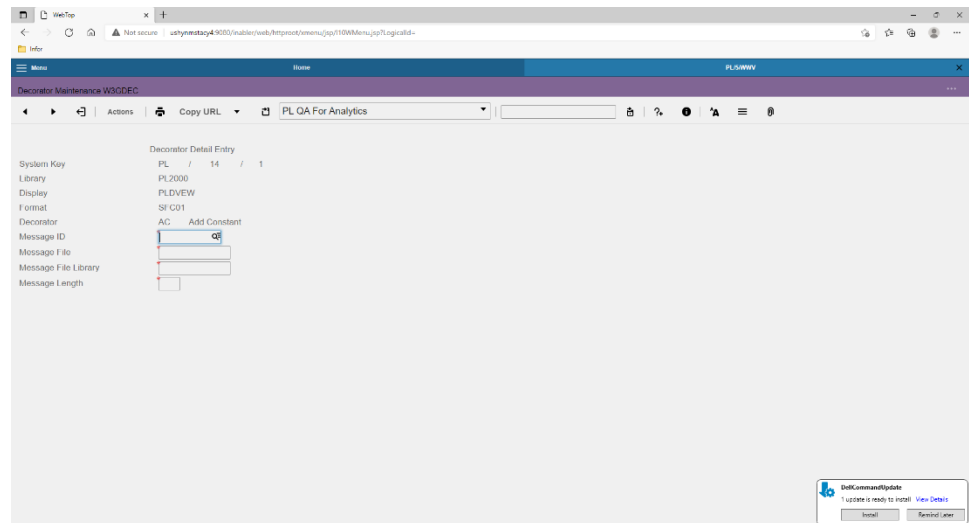


Figure 5-12: Decorator Detail Entry screen

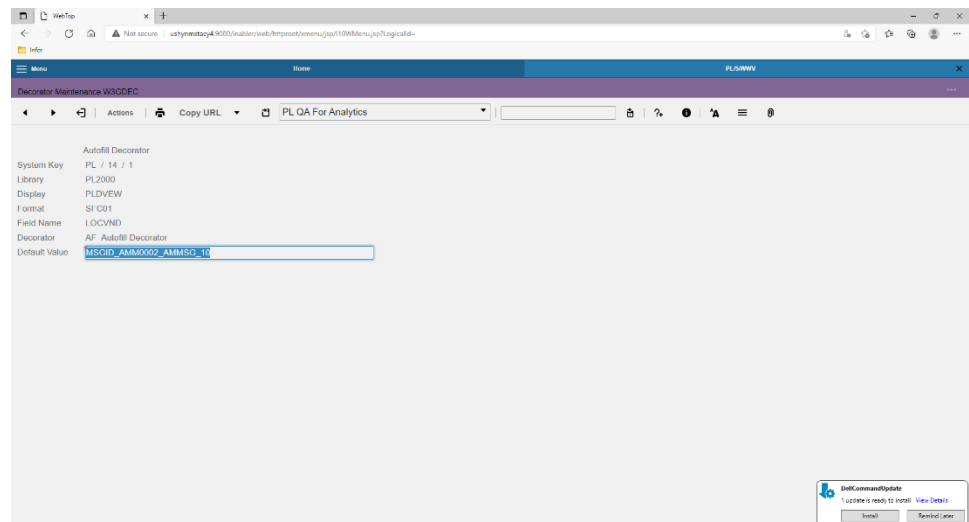


Figure 5-13: Autofill Decorator screen

- 7 Press Enter to save the Autofill decorator.
- 8 Click the Designer Mode icon to deactivate designer mode.

## Deleting an Autofill decorator

Complete the steps below to delete an Autofill decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.

- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Autofill. The system displays the Autofill decorator definition.
- 5 Select Actions and click F22=Delete or press F22 from the keyboard. You are returned to the application page
- 6 Click the Designer Mode icon to deactivate designer mode.

## Adding a constant

Use the Add Constant decorator to add a constant to a screen.

Complete the steps below to add a constant.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Add Constant. The system displays a screen similar to the screen below.

The screenshot shows a web browser window with the URL 'AR/101/DEUF'. The page title is 'Decorator Maintenance W3GDEC'. The browser address bar shows 'AR 14.0.0.1 V101'. The main content area is titled 'Decorator Detail Entry' and contains a table with the following data:

System Key	AR	14	1
Library	AR2000		
Display	ARDSUI		
Format	DSRP01		
Decorator	AC	Add Constant	
Row	5		
Column	12		
Constant	New Label		
Indicator			
Color			
Reverse Image			
Background Color			
HTML class			
Required			

Figure 5-14: Add Constant Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

### Row

Type the row on the screen in which to place the constant text.



### Column

Type the column on the screen in which to place the constant text.

### Constant

Type the constant text to appear on the screen.

- 6 Press F14 to use a MSGID instead of a literal. The format of the MSGID is MSGID\_MSG0000\_MSGFILE\_nn. The use of MSGID allows for internationalization.
  - MSGID – This is a literal entry that identifies the additional information as attributes for the MessageID.
  - MSG0000 – Replace with the Message ID, for example: CUX0123.
  - MSGFILE – Replace with the name of the MSGFILE to use. \*LIBL may be used to search the job library list for the message file, or a given library may be entered, for example: \*LIBL/CUMSGF or CUSTLIB/CUMSGF.
  - nn – This is the length to assign to this constant.
  - Example entry: MSGID\_CUX0123\_\*LIBL/CUMSGF\_25

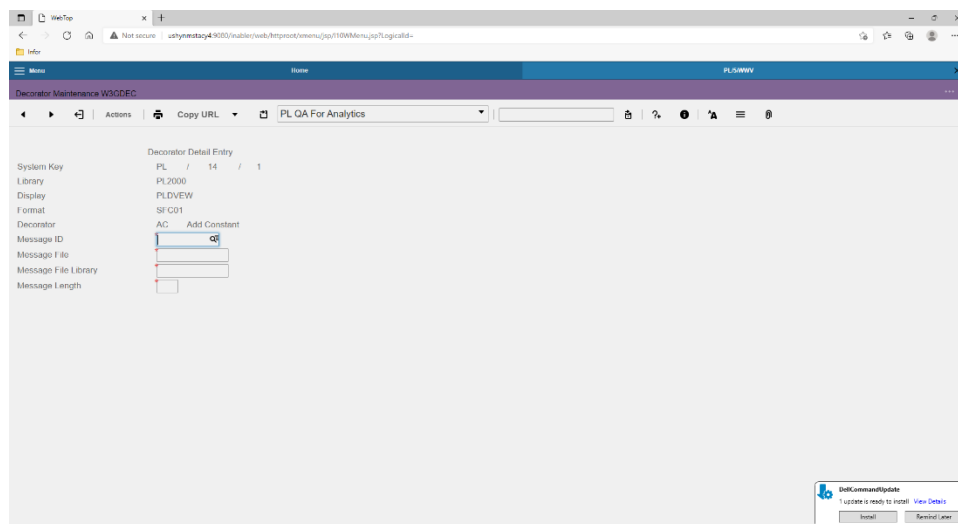


Figure 5-15: Decorator Detail Entry screen

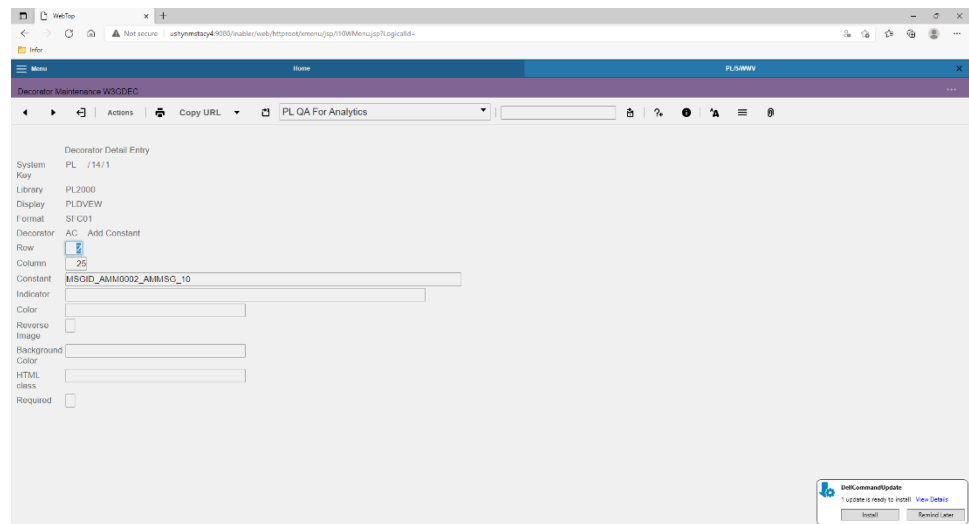


Figure 5-16: Decorator Detail Entry screen

### *Indicator*

Type a number from **1** to **99** that represents the indicator number within the program code for this display/format. For example, **72** could be a warning indicator that reverse images the constant text when an error is detected when processing the screen data.

Indicator combinations are supported:

- For AND conditions use ‘,’.
- For OR conditions use ‘O’.
- For NOT conditions use ‘N’.
- For example indicator 25 OR indicator 45 use 25O45.
- For indicator 25 AND NOT indicator 45 use 25,N45.
- For Indicator 25 AND 45 use 25,45.

### *Color*

Type a color for the field. You can type any HTML extended color name or its corresponding hexadecimal value.

### *Reverse Image*

Type **Y** to reverse the field image. Otherwise, specify **N** not to reverse the field image.

***Background Color***

Type a background color for this field. You can type any HTML extended color name or its corresponding hexadecimal value.

***HTML class***

Type an HTML class name that exists in the inablerStyleSheet.css file.

***Required***

Type **Y** if this is a required field. Otherwise, specify **N** to indicate that the field is not required.

- 7 Press Enter to save the constant.
- 8 Click the Designer Mode icon to deactivate designer mode.

## Adding a message ID

Use this action to add a message ID to display text in the language of the individual user's language settings. In addition, WebTop Server supports double-byte enabled languages.

Complete the steps below to add a message ID to a field.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the field to change.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select Add Message ID. The system displays a screen similar to the screen below.
-

Decorators Detail Entry / 14 / 1

System Key	AR	
Library	AR200	
Display	ARDSUI	
Format	DSP01	
Decorator	AM	Add Message ID
Row	5	
Column	12	
Message ID	AMM2412	
Message File	AMMSGF	
Message File Library	*LIBL	
Message Length	28	
Indicator		
Color		
Reverse Image		
Background Color		
HTML class		

Figure 5-17: Add Message ID Decorator Maintenance screen

**5** Use the information below to complete the fields on this screen.

**Row**

Type the row in which to place the message ID.

**Column**

Type the column in which to place the message ID.

**Message ID**

Type the ID for an existing message ID.

**Message File**

Type the file name for an existing message file.

**Message File Library**

Type the file library for an existing message file library.

**Message Length**

Type the maximum length for the message text.

**Indicator**

Type a number from **1** to **99** that represents the indicator number within the program code for this display/format. For example, **72** could be a warning indicator that reverse images the constant text when an error is detected when processing the screen data.

Indicator combinations are supported:

- For AND conditions use ‘,’.
- For OR conditions use ‘O’.
- For NOT conditions use ‘N’.
- For example indicator 25 OR indicator 45 use 25O45.
- For indicator 25 AND NOT indicator 45 use 25,N45.
- For Indicator 25 AND 45 use 25,45.

#### *Color*

Type a color for the field. You can type any HTML extended color name or its corresponding hexadecimal value.

#### *Reverse Image*

Type **Y** to reverse the field image. Otherwise, specify **N** not to reverse the field image.

#### *Background Color*

Type a background color for this field. You can type any HTML extended color name or its corresponding hexadecimal value.

#### *HTML class*

Type an HTML class name that exists in the inablerStyleSheet.css file.

- 6 Press Enter to save the message ID information.
- 7 Click the Designer Mode icon to deactivate designer mode.

## Adding an attachment

Use the attachment decorator to add an attachment rule to a screen.

Refer to chapter 3 of this document for creating Attachment Rules.

Complete the steps below to add an attachment rule to a field.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Attachment. The system displays a screen similar to the screen below.

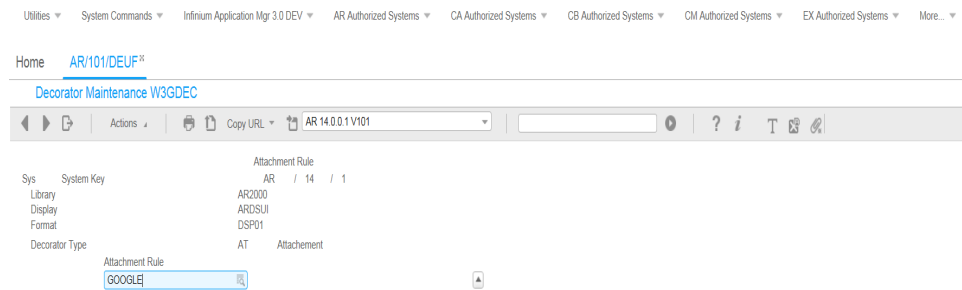


Figure 5-18: Attachment Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

### *Attachment Rule*

- 6 Type the name of the attachment rule or use the Attachment Rule prompt for a list of valid attachment rules.
- 7 Press Enter to save your entries.
- 8 Click the Designer Mode icon to deactivate designer mode.

## Deleting an attachment action

Complete the steps below to delete an attachment action.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Attachment. The system displays the Decorator Maintenance screen.
- 5 Select Delete from Actions.
- 6 Press Enter.
- 7 Click the Designer Mode icon to deactivate designer mode.

## Creating a button

Complete the steps below to specify that a field is a button.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Button Action. The system displays a screen similar to the screen below.

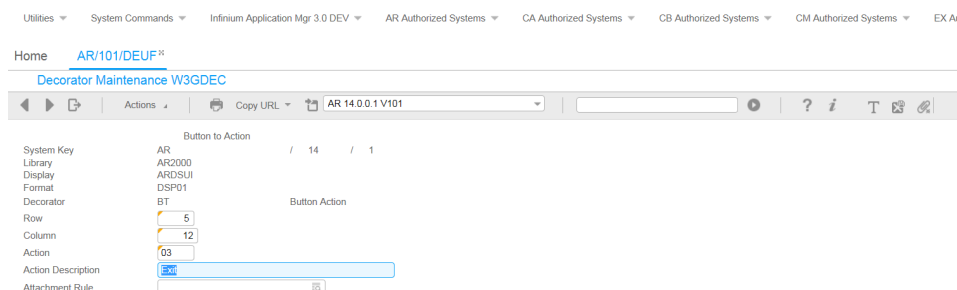


Figure 5-19: Button Action Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

#### *Row*

Type the row in which to place the button.

#### *Column*

Type the column in which to place the button.

#### *Action*

Type the function key action to send back to the application program. Valid values are **01** through **24** for function keys 1 through 24.

WebTop also supports the following entries for “action.”

<b>ENTER</b>	for Enter key
<b>ROLLNEXT</b>	for subfile roll next
<b>ROLLPREV</b>	for subfile roll previous

#### *Action Description*

Type a string value in the field to display text in the button.

- 6 Press F14 to use a MSGID instead of a literal. The format of the MSGID is MSGID\_MSG0000\_MSGFILE\_nn. The use of MSGID allows for internationalization.
- MSGID – This is a literal entry that identifies the additional information as attributes for the MessageID.
  - MSG0000 – Replace with the Message ID, for example: CUX0123.
  - MSGFILE – Replace with the name of the MSGFILE to use. \*LIBL may be used to search the job library list for the message file, or a given library may be entered, for example: \*LIBL/CUMSGF or CUSTLIB/CUMSGF.
  - nn – This is the length to assign to this constant.
  - Example entry: MSGID\_CUX0123\_\*LIBL/CUMSGF\_25

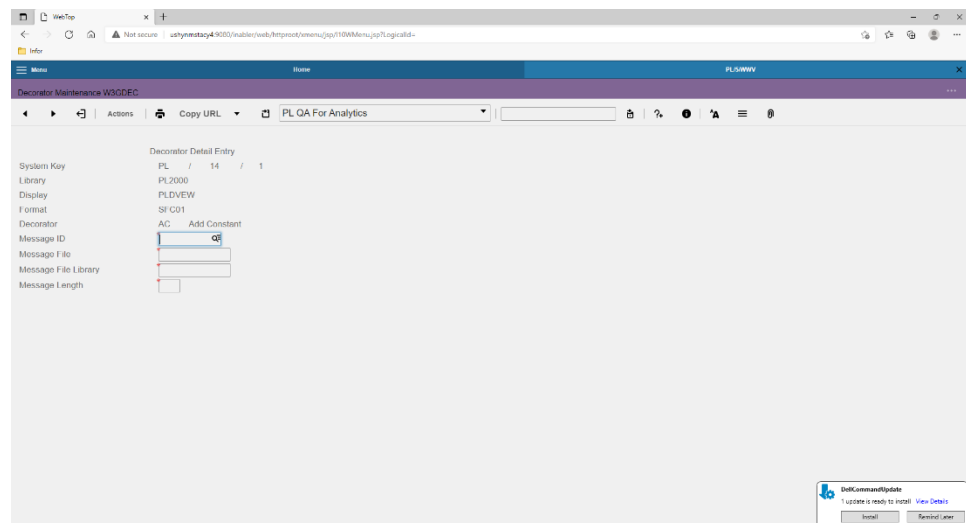


Figure 5-20: Decorator Detail Entry screen



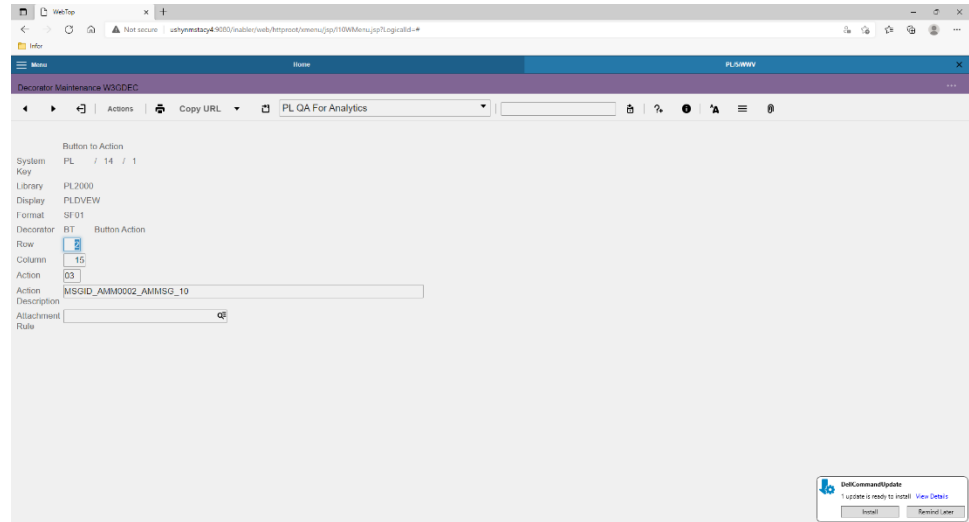


Figure 5-21: Button to Action screen

### *Attachment Rule*

Type the name of the attachment rule. The rule name is in uppercase and can contain spaces. The system displays the attachment when you select this button.

- 7 Press Enter to save your entries.
- 8 Click the Designer Mode icon to deactivate designer mode.

## Deleting a button action

Complete the steps below to delete a button action.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Button Action. The system displays the Decorator Maintenance screen.
- 5 Select Delete from Actions.
- 6 Press Enter.
- 7 Click the Designer Mode icon to deactivate designer mode.

## Creating a calendar next to a field

Complete the steps below to create a calendar next to a field.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Date. The system displays a screen similar to the screen below.

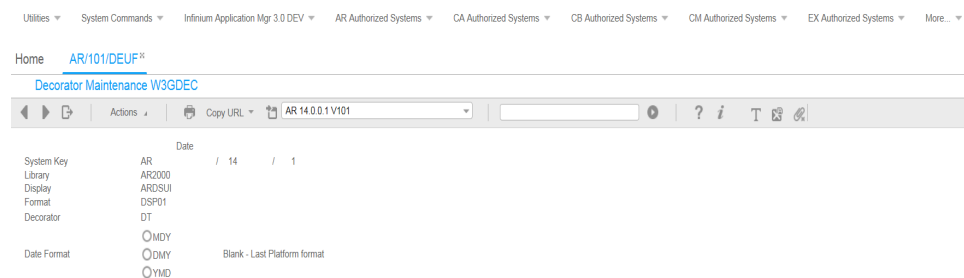


Figure 5-22: Date Decorator Maintenance screen

- 5 Specify a date format.

Valid values are:

- |            |                         |
|------------|-------------------------|
| <b>MDY</b> | Month, day, year format |
| <b>DMY</b> | Day, month, year format |
| <b>YMD</b> | Year, month, day format |

Do not select a format to use the last platform date format.

- 6 Press Enter to save your entries.
- 7 Click the Designer Mode icon to deactivate designer mode.

## Deleting a calendar from a field

Complete the steps below to delete a calendar.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.

- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Date. The system displays the Decorator Maintenance screen.
- 5 Select Delete from Actions.
- 6 Press Enter.
- 7 Click the Designer Mode icon to deactivate designer mode.

### Adding an e-mail link

Use this action to associate an e-mail link with a field. Click this link to launch the default browser's e-mail client where you can enter the address to which to send the e-mail.

Use the attachment decorator to add an e-mail link to a field.

Complete the steps below to modify an attachment to a field.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Email Decorator. The system displays an e-mail decorator at the end of the field shown below.
- 5 Click the Designer Mode icon to deactivate designer mode.



Figure 5-23: E-mail decorator

### Deleting an e-mail decorator

Complete the steps below to delete an e-mail decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.

- 3 Right-click the field. The system displays a list of actions.
- 4 Select Email Decorator. The system removes the e-mail decorator.
- 5 Click the Designer Mode icon to deactivate designer mode.

## GRID

**Note:** Attempts to create a GRID over a subfile with a definition too large for data base column DEXML results in the message **W3E3248, XML String length exceeds 2560**. If this limit is encountered, you must exclude some columns from the GRID definition by using the grid maintenance or the Grid exclusion decorator.

GRID settings are persisted to the IBM i IFS by user, library, panelkey, language.

When a user has a GRID displayed on the WebTop page, WebTop uses the user's Local Storage for GRID settings if Local Storage entries exist. If entries do not exist, they are created using the IFS if an entry exists. If the IFS entry does not exist, Local Storage entries are created with defaults based on GRID control defaults.

Be advised that when you access GRID Maintenance and use F6-Update, all Local Storage settings for GRID are reset with the settings that exist in IFS. By definition, Local Storage refers to the entries in a single browser.

If you use GRID Reset, both local storage and IFS settings are cleared.

A user's Local Storage is updated when the GRID is created or the user changes the GRID.

Local Storage entries are persisted to the IBM i IFS when the GRID is changed.

This includes:

- Columns included
  - Sort order
  - Filters
  - COLSPAN width
  - Row height
  - Page size
-

**Notes:**

- Changes to the *Records per page* during runtime of the GRID are not supported for pages that have data presented below the subfile/GRID.
- The browser language should match the database language when you use GRID. This is important for the formatting of numbers and dates: region specific formatting.
- After adding a GRID to a subfile, the user must return to the menu.
- For this implementation of GRID, The RANGE function of Filter Row is not supported.
- When a SORT exists for a column in the GRID, the GRID is always returned to page 1 after requesting more rows from the Server.

To remove SORT from GRID, select Reset Grid and then exit GRID. With the next access, the GRID will no longer have SORT applied.

Complete the steps below to apply a GRID control to a subfile.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select a field in the subfile.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Grid. The system displays a screen similar to the screen below.

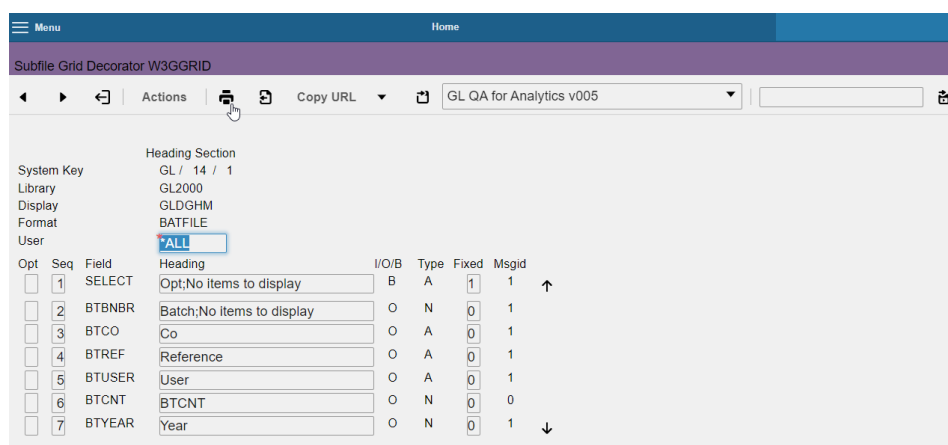


Figure 5-24: Grid Decorator Maintenance screen

Available subfile option codes for GRID Maintenance are:

- 4 Delete - removes a column from the Grid Definition.

- 9** Add MSGID - Allows a message ID to be keyed for the column heading.

- 5** Use the information below to complete the fields on this screen.

*Heading*

Type the value to be used as the column headings.

A message id can be used in the following format:

M\_AMM0298\_AMMSG

Where AMM0298 is the message id and AMMSG is the Message File Name.

A FIELD from the page may be used for column headings.

Format is ‘(‘ + format\_name + ‘\_’ + field\_name + ‘)’\*

\*(DSP01\_FLDA)\*

*Fixed*

Type **1** for the column to be in a fixed position.

Type **0** to enable the column to be edited (moved, hidden)

**Note:** If you choose to use fixed columns, define more than one column as fixed.

- 6** Press Enter to accept inputs.
- 7** Press F8 to access options. Grid Options provide the attribute definition for the Grid.

*Number of additional roll keys*

Type the number of ROLLNEXT actions to be applied to this subfile on load and on Each ROLLNEXT action.

Type **99** to load \*ALL subfile rows. Use caution with using 99=\*ALL rows. If you have a subfile that loads a high number of rows, the use of 99 could cause the function to be unusable.

**Note:** Use of additional roll keys for subfiles that have non-subfile data below the subfile may cause the data below the subfile not to be visible.

---

*Number of grid lines*

Type the number of lines/rows to be displayed in your GRID.

*Customized row height flag*

Type 1 to allow the Grid Row Height to be modified.

*Flag to support search*

Type 1 to allow the GRID to support Search functionality.

*Flag to support alternate row shading*

Type 1 to allow the GRID to support alternate row shading.

*Flag to support Export to Excel*

Type 1 to allow the GRID to support Export to Excel functionality.

*Flag to support multiple rows*

Type 1 to allow the GRID to support multiple row functionality.

*Flag to support column reordering*

Type 1 to enable the GRID to support the ability to reorder columns.

*Flag to support filtering*

Type 1 to enable the GRID to support column filtering.

*Flag to support sorting*

Type 1 to enable the GRID to support column sorting.

*Flag to determine whether or not to show the number of Rows*

Type 1 to show number of rows text.

8 Press Enter to accept inputs

9 Press F6 to Update Grid decorator.

**Note:** Creating or updating a GRID definition results in all GRID customizations for the given GRID to be reset.

Click the Designer Mode icon to deactivate designer mode.

You must Exit the page after creating a GRID.

## Deleting a Grid decorator

Complete the steps below to delete a Grid decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Grid. The system displays the Grid Decorator definition.
- 5 Select Actions and click F22=Delete or press F22 from the keyboard. You are returned to the application page
- 6 Click the Designer Mode icon to deactivate designer mode.
- 7 Click Exit from Actions to exit to the application screen.

## Reset Grid

Accessing the More option from the GRID enable you to select Reset Grid. Reset Grid removes the browser local storage entries for the GRID. You must then exit and re-enter the GRID for the local storage entries to be rebuilt with reset values.

## GRID Exclusion

Complete the steps below to apply a GRID Exclusion to a subfile.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field in the subfile to be excluded.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Grid Exclusion. The system creates a Grid Exclusion decorator for the field that was selected.

A message that the decorator has been added is displayed.

Grid Exclusion decorators are valid only for subfile formats.

If you create Grid Exclusion decorators before you create your GRID **GD** decorator, the columns in the Grid Exclusion decorators do not show in your

---



GRID maintenance and are not available for your GRID. They are excluded from your GRID maintenance.

If you create Grid Exclusion decorators after you create your GRID **GD** decorator, you must return to GRID maintenance where you will see that the Grid Exclusion decorator columns that you created after you initially created your GRID are no longer shown in GRID maintenance. You must use F6=Update to update your GRID definition. Your updated GRID will no longer have the columns defined in the Grid Exclusion decorators.

To remove Grid Exclusion decorators from a given GRID definition, you must use remove all Grid Exclusion decorators from the decorator popup. You then must use the GRID decorator, and once in GRID maintenance, use F9=Load Headers to add the columns back into the Grid definition. Then use F6=Update to generate the GRID definition.

Click the Designer Mode icon to deactivate designer mode.

You must exit the page after GRID maintenance.

## Deleting a Grid Exclusion decorator

If a Grid already exists, complete the instructions above for deleting a Grid decorator, which reverts to a subfile, because Grid Exclusion decorators can only be deleted as a subfile.

Complete the steps below to delete a Grid Exclusion decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field where the Grid Exclusion exists.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Grid Exclusion. The system removes the Grid Exclusion decorator.
- 5 Click the Designer Mode icon to deactivate designer mode.

## Hiding a field

Complete the steps below to hide a field.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field or fields to hide.

- 3 Right-click the field. The system displays a list of actions.
- 4 Select Hide. The system hides the field from view. The field is not visible to the user although it remains in the system.
- 5 Press Enter.
- 6 Click the Designer Mode icon to deactivate designer mode.

### Reversing the hiding of a field

Complete the steps below to reverse the hiding of a field.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select a field.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Undo Hide Decorators. The system displays the field.
- 5 Click the Designer Mode icon to deactivate designer mode.

### Adding Long Running Job

Complete the steps below to add a Long Running Job decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select any field.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select Long Running Job. The system displays the input page for Long Running Job.
  - 5 The only input is Value. Key in the value. The value in this case is the value of the selected field that when equal you would like the Long Running Job decorator to activate. You may also type \*ALL as the value.
  - 6 Press Enter. You are returned to the application page. You are still in designer mode.
  - 7 Click the Designer Mode icon to deactivate designer mode.
-

---

## Reversing the Long Running Job

Complete the steps below to reverse the Long Running Job decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select appropriate field.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Long Running Job. The system displays the Long Running Job decorator definition.
- 5 Select Actions and click F22=Delete or press F22 from the keyboard to delete. You are returned to the application page
- 6 Click the Designer Mode icon to deactivate designer mode.

## Adding Job End

Complete the steps below to add Job End decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the field to add the Job End decorator.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select Job End. The system displays the input page for Job End.
  - 5 You are presented with five input fields. In these five inputs you type the actions that you would like to have applied to the given page to properly exit the page. For example, in SAA, standard F12 returns to the previous page and F3 exits the process. WebTop by default attempts F12 and then F3 when a page is closed outside of normal navigation. In cases where the actions to exit a page do not follow F12/F3, you can key those actions in to the Job End decorator definition. Your page may use F1 to exit or F12 and then Enter. Valid entries here are ENTER and F1 through F24.
  - 6 Press Enter. You are returned to the application page. You are still in designer mode.
  - 7 Click the Designer Mode icon to deactivate designer mode.
-

## Reversing the Job End

Complete the steps below to reverse the Job End decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the appropriate field.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Job End. The system displays the Job End decorator definition.
- 5 Select Actions and click F22=Delete or press F22 from the keyboard to delete. You are returned to the application page.
- 6 Click the Designer Mode icon to deactivate designer mode.

## Adding an HTTP link to a field

Complete the steps below to add an HTTP link to a field.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Http link. The system displays an HTTP decorator at the end of the field shown below.
- 5 Click the Designer Mode icon to deactivate designer mode.



Figure 5-25: HTTP link decorator

## Deleting an HTTP link decorator

Complete the steps below to delete an HTTP link.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the field to change.
-

- 3 Right-click the field. The system displays a list of actions.
- 4 Select Http Link. The system removes the HTTP link decorator.
- 5 Click the Designer Mode icon to deactivate designer mode.

## Creating a radio button

Complete the steps below to specify that a field is a radio button.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Radio Button. The system displays a screen similar to the screen below.

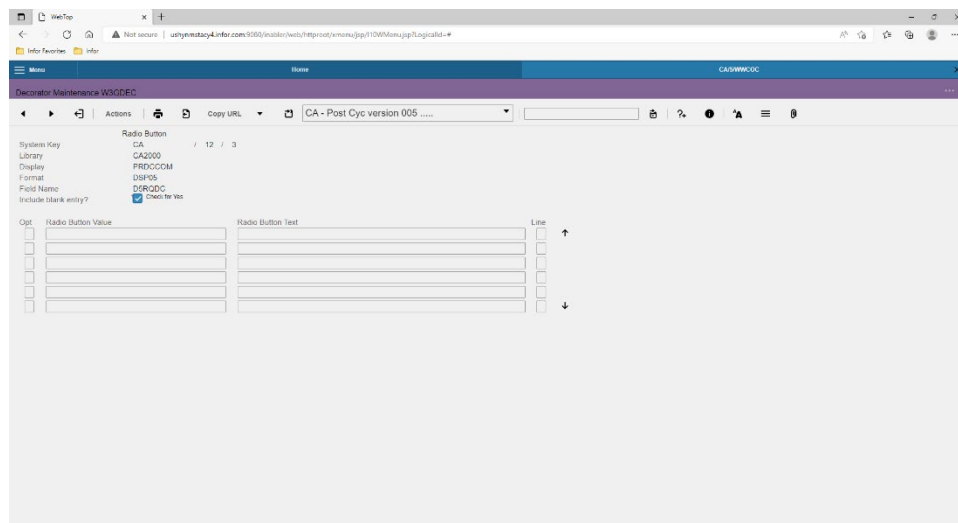


Figure 5-26: Radio Button Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

### *Include blank entry*

Check this box if you intend to include a blank radio button in your radio button group. This blank radio button has no text associated with it.

To have a blank radio button with text associated with it, leave Radio Button Value blank and place your text or MSGID in the Radio Button Text entry.

### *Radio Button Value*

Type a value, which is valid for this display file/format that the system returns to the field.

To have a blank radio button, you may leave this value blank and then type the text for your blank radio button in the Radio Button Text entry.

### *Radio Button Text*

Type the text associated with the option.

Press F14 to use a MSGID instead of a literal. The format of the MSGID is MSGID\_MSG0000\_MSGFILE\_nn. The use of MSGID allows for internationalization.

- MSGID – This is a literal entry that identifies the additional information as attributes for the MessageID.
- MSG0000 – Replace with the Message ID, for example: CUX0123.
- MSGFILE – Replace with the name of the MSGFILE to use. \*LIBL may be used to search the job library list for the message file, or a given library may be entered, for example: \*LIBL/CUMSGF or CUSTLIB/CUMSGF.
- nn – This is the length to assign to this constant.
- Example entry: MSGID\_CUX0123\_\*LIBL/CUMSGF\_25

### *Line*

Type the line number for the radio button.

- 6 Press Enter to save your entries. The screen displays the radio button next to the specified field.
- 7 Click the Designer Mode icon to deactivate designer mode.

## Deleting a radio button action

Complete the steps below to delete a radio button action.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the field to change.
  - 3 Right-click the field. The system displays a list of actions.
-

- 4 Select Radio Button. The system displays the Decorator Maintenance screen.
- 5 Select Delete from Actions.
- 6 Press Enter.
- 7 Click the Designer Mode icon to deactivate designer mode.

## Creating a list box

Complete the steps below to specify that a field is a list box.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select List Box. The system displays a screen similar to the screen below.

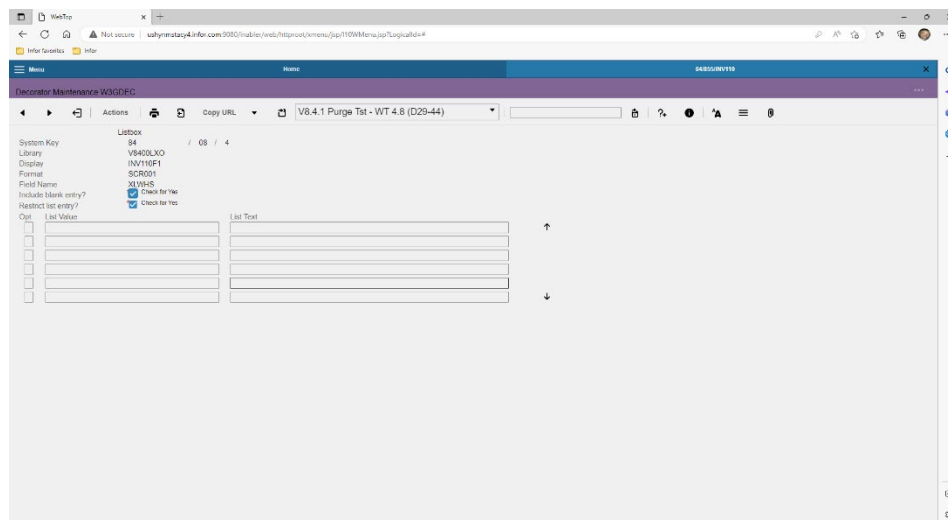


Figure 5-27: List Box Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

### *Include blank entry?*

Select the check box to include a blank entry as a valid selection.

Clear the check box to disable a blank entry as a valid selection.

*Restrict list entry?*

Select the check box to restrict the selection to a list item in the available list.

Clear the check box to allow a value to be selected that is not present in the available list.

*List Value*

Type a value, which is valid for this display file/format that the system returns to the field.

*List Text*

Type the text associated with the option.

Press F14 to use a MSGID instead of a literal. The format of the MSGID is MSGID\_MSG0000\_MSGFILE\_nn. The use of MSGID allows for internationalization.

- MSGID – This is a literal entry that identifies the additional information as attributes for the MessageID.
- MSG0000 – Replace with the Message ID, for example: CUX0123.
- MSGFILE – Replace with the name of the MSGFILE to use. \*LIBL may be used to search the job library list for the message file, or a given library may be entered, for example: \*LIBL/CUMSGF or CUSTLIB/CUMSGF.
- nn – This is the length to assign to this constant.
- Example entry: MSGID\_CUX0123\_\*LIBL/CUMSGF\_25

6 Press Enter to save your entries.

7 Click the Designer Mode icon to deactivate designer mode.

## Deleting a list box action

Complete the steps below to delete a list box action.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the field to change.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select List Box. The system displays the Decorator Maintenance screen.
-



- 5 Select Delete from Actions.
- 6 Press Enter.
- 7 Click the Designer Mode icon to deactivate designer mode.

## Adding a Mask decorator

Use the Mask decorator to provide a visual mask to a numeric field.

Complete the steps below to add a Mask decorator.

When using numeric mask attributes that are language dependent, such as a thousands separator and currency symbol, the browser locale must match the IBM i language of the application data.

Both the Mask Pattern and Mask options is available for OUTPUT-only fields. For INPUT and BOTH fields the Mask Pattern is not available.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Mask. The system displays a screen similar to the screen below.

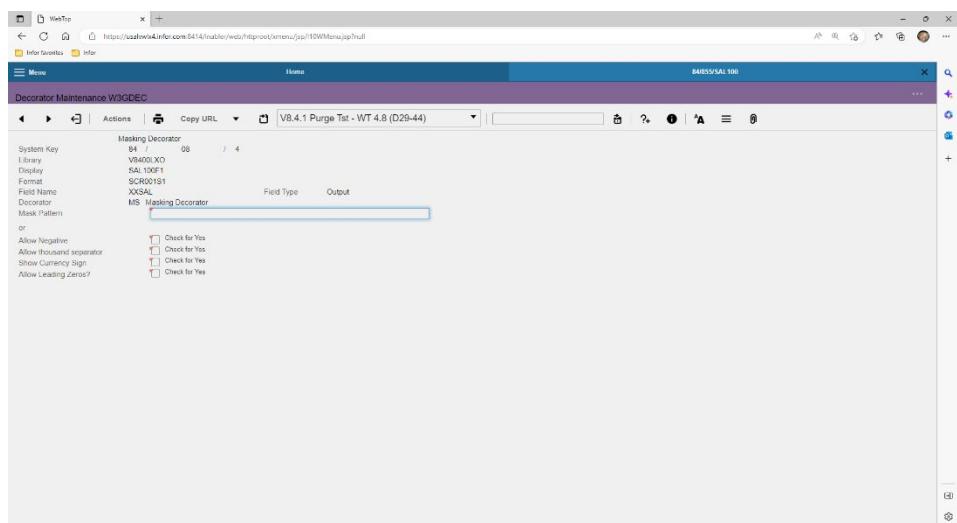


Figure 5-28: Mask Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

### *Mask Pattern*

Mask Pattern is not allowed for input capable fields. Only output fields may have a Mask Pattern applied.

Type the value to use as the default value for this input.

Example: Telephone Number

Mask Pattern - (###) ###-####

- Example SSN
  - Mask Pattern – \*\*\*-\*\*-8621

Using '-' at the beginning or end of the mask sets Allow Negative.

Using '.' in the mask sets Allow Decimal.

Use '.' Character for Decimal instead of the locale decimal character. The locale of the decimal is handled at runtime.

Using ',' in the mask sets Allow Thousands.

Use ',' Character for Thousands instead of the locale Thousands character. The locale of the Thousands is handled at runtime.

The following entries are available if the Mask Pattern is not used. The Mask is an either/or. You may either define a Mask Pattern or use the check boxes.

The check boxes may be used for both input and output numeric fields.

### *Allow Decimal*

Select this check box to enable or disable Allow Decimal.

This determines whether the input displays decimal precision. The field must be defined in DDS with decimal precision to allow this entry.

### *Allow Negative*

Select this check box to enable or disable Allow Negative. This determines whether the input displays a negative (-) sign.

Select this check box to enable or disable Allow Thousand Separator. This determines whether the input displays a Thousand Separator. The Thousand Separator is determined based on the PC locale at runtime.

---

### *Show Currency Sign*

Select this check box to enable or disable Allow Currency Symbol. This determines whether the input displays a Currency Symbol. The Currency Symbol is determined based on the PC locale at runtime.

- 6 Press Enter to save the Mask decorator.
- 7 Click the Designer Mode icon to deactivate designer mode.

### Deleting a Mask decorator

Complete the steps below to delete a Mask decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Mask. The system displays the Mask decorator definition.
- 5 Select Actions and click F22=Delete or press F22 from the keyboard. You are returned to the application page.
- 6 Click the Designer Mode icon to deactivate designer mode.

### Creating a required decorator

Complete the steps below to specify that a field is marked as required.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Required Field. The system creates a Required decorator for the field. A red asterisk is shown in the upper-left portion of the field to denote that the field is marked as required.
- 5 Click the Designer Mode icon to deactivate designer mode.

## Deleting a required decorator

Complete the steps below to delete a required decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Required Field. The system removes the required decorator from the field.
- 5 Click the Designer Mode icon to deactivate designer mode.

## Creating Roll Key

Complete the steps below to generate Roll widgets.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Roll Key. The system displays a screen similar to the screen below.

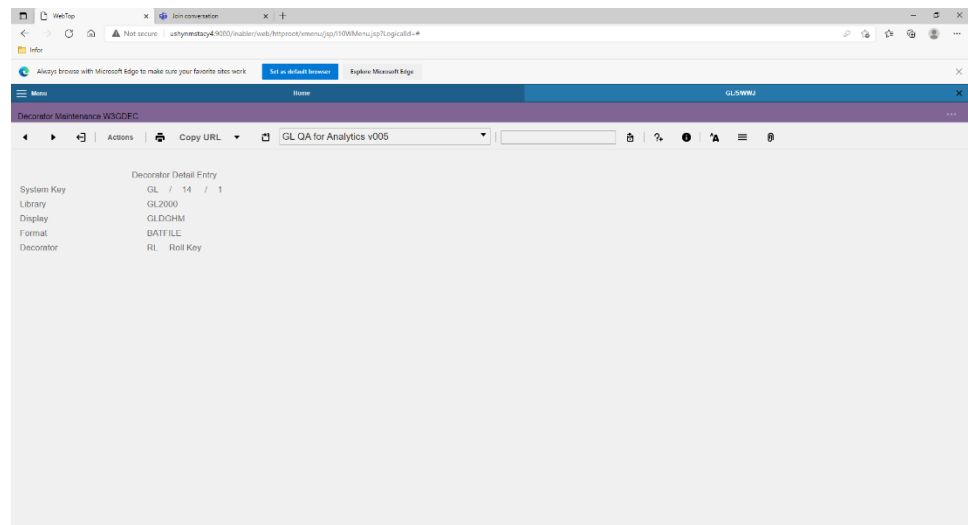


Figure 5-29: Roll Key Decorator Maintenance screen

- 5 Press Enter to create the decorator.
- 6 Click the Designer Mode icon to deactivate designer mode.

### Deleting a Roll Key decorator

Complete the steps below to delete a Roll Key decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Roll Key. The system displays the Roll Key decorator definition.
- 5 Select Actions and click F22=Delete or press F22 from the keyboard. You are returned to the application page.
- 6 Click the Designer Mode icon to deactivate designer mode.

### Creating Required Script

Complete the steps below to specify that a field has a Required Script.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the field to change.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select Required Script. The system displays a screen similar to the screen below.
-

Field	Value
System Key	GL / 14 / 1
Library	GL2000
Display	GLDGXM
Format	SF01
Field Name	SFSEL
Decorator	RS Required Script
Value	<input type="text"/>
or	
Message ID	<input type="text"/>
Message File	<input type="text"/>
Message File Library	<input type="text"/>
Action to process	<input type="text"/>
	<input type="text"/>
	<input type="text"/>
	<input type="text"/>
	<input type="text"/>

Figure 5-30: Required Script Decorator Maintenance screen

- Use the information below to complete the fields on this screen. Type a value that is valid for this display file/format that the system returns to the field.

#### *Value*

This is text to be used when the Required Script condition is tested. Leaving this entry blank will check the input field for blank. If blank, the text is displayed and the progress of the page is halted until the condition is resolved.

**or**

#### *Message ID*

This is the name of the message ID to be used at runtime.

#### *Message File*

This is the name of the message file that includes the message ID to be used at runtime.

#### *Message File Library*

This is the name of the library in which the message file object resides.

#### *Action to process*

This option may be left blank. By default, the ENTER action is used. You may however want to perform this check on other actions such as F3 or F6. A list of actions may be entered.

- 6 Press Enter to save your entries.
- 7 Click the Designer Mode icon to deactivate designer mode.

### Deleting a Required Script decorator

Complete the steps below to delete a Required Script decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Required Script. The system displays the Required Script decorator definition.
- 5 Select Actions and click F22=Delete or press F22 from the keyboard. You are returned to the application page.
- 6 Click the Designer Mode icon to deactivate designer mode.

### Creating a Script decorator

Complete the steps below to Script decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select a field. Any field will suffice as the Script decorator is for the entire page.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select Script decorator. The system displays a screen similar to the screen below.
-

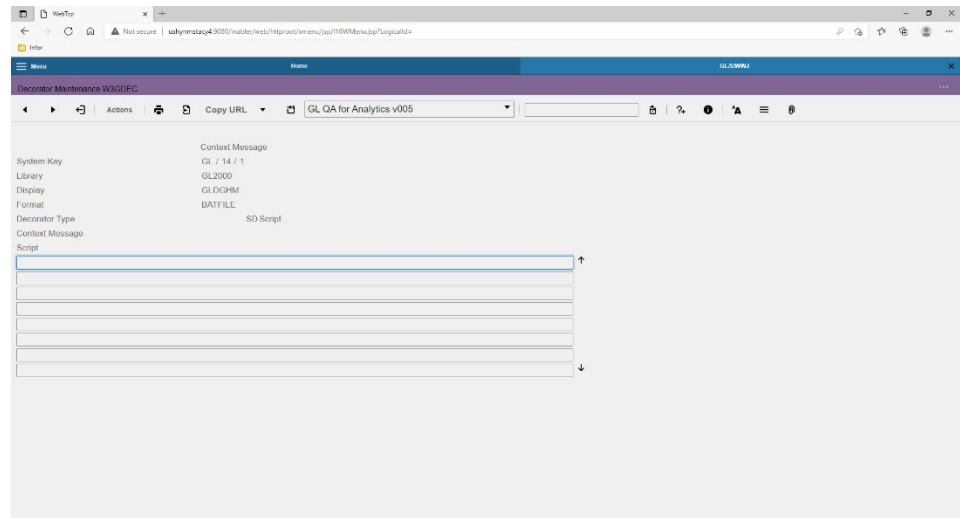


Figure 5-31: Script Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

*Script*

Type valid JavaScript. This script is loaded when the page loads. Your JavaScript skills determine what you can accomplish using the Script decorator.

For example:

```
if
(document.getElementById("DSP03_D3AICD").value=="Y"){document.ge
tElementById("06").style.color = "red";}if
(document.getElementById("DSP03_D3STRQ").value=="Y"){document.g
etElementById("07").style.color = "red";}
```

- 6 Click the Designer Mode icon to deactivate designer mode.

Deleting a Script decorator

Complete the steps below to delete a Script decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select a field. Any field will suffice as the Script decorator is for the entire page.
- 3 Right-click the field. The system displays a list of actions.



- 4 Select Script Decorator. The system displays the Script Decorator definition.
- 5 Select Actions and click F22=Delete or press F22 from the keyboard. You are returned to the application page.
- 6 Click the Designer Mode icon to deactivate designer mode.

## Creating Subfile Roll

Complete the steps below to specify that a Subfile has a Subfile Roll decorator.

### Notes:

- After adding a Subfile Roll to a subfile, you must return to the menu and access the page to which the Subfile Roll was added.
  - A Subfile Roll is not supported for subfiles coded as “page at a time,” that is, where the subfile size equals subfile page. Attempting to add a Subfile Roll decorator to a page at a time subfile presents you with an error message and prevents adding the decorator.
- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the field to change. It must be a field from Subfile.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select Subfile Roll. The system displays a screen similar to the screen below.

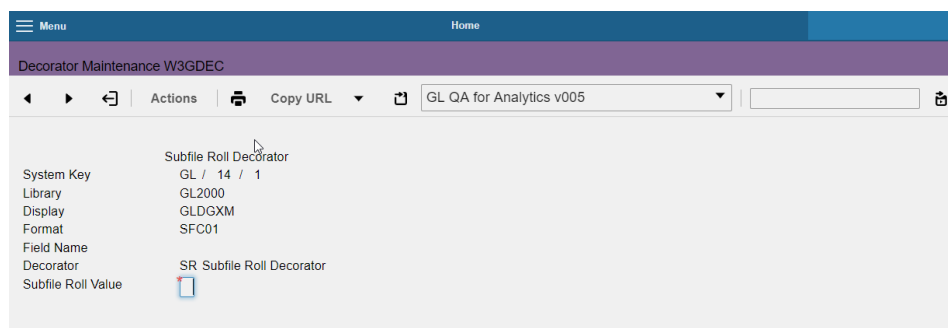


Figure 5-32: Subfile Roll Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen. Type a value that is valid for this display file/format that the system returns to the field.

### *Subfile Roll Value*

Type the number of ROLLNEXT actions you would like applied to this Subfile on load and on Each ROLLNEXT action.

**Note:** The Subfile Roll 'SR' decorator is intended to provide the ability to generate more rows on the display without having to code changes to SFLSIZ/SFLPAG. The use case for the 'SR' decorator is to prompt displays that show only a small number of rows on the Subfile Page.

Overuse of the 'SR' decorator can cause response lag as the process rolls through and processes rows.

A limit of 5 Rolls is enforced when you create a Subfile Roll 'SR' decorator.

- 6 Press Enter to save your entries.
- 7 Click the Designer Mode icon to deactivate designer mode.

### Deleting a Subfile Roll decorator

Complete the steps below to delete a Subfile Roll decorator.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change. This must be a field from Subfile.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Subfile Roll. The system displays the Subfile Roll decorator definition.
- 5 Select Actions and click F22=Delete or press F22 from the. You are returned to the application page
- 6 Click the Designer Mode icon to deactivate designer mode.

### Creating a text box

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
  - 2 Select the field to change.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select Text Box.
-

- 5 Press Enter to save your entries.
- 6 Click the Designer Mode icon to deactivate designer mode.

## Deleting the text box

Complete the steps below to delete a text box.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the title to remove.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Text Box.
- 5 Press Enter. The system removes the text box.
- 6 Click the Designer Mode icon to deactivate designer mode.

## Creating a yes/no check box

- 1 On an application screen, click the Designer Mode icon on the application toolbar.
- 2 Select the field to change.
- 3 Right-click the field. The system displays a list of actions.
- 4 Select Yes/No checkbox. The system displays a screen similar to the screen below.

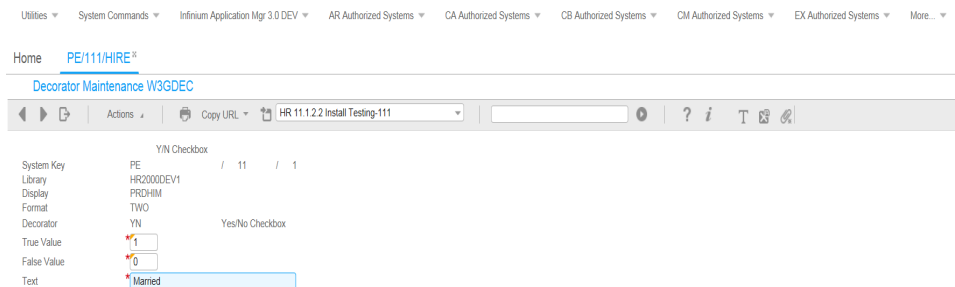


Figure 5-33: Yes/No Checkbox Decorator Maintenance screen

- 5 Use the information below to complete the fields on this screen.

*True Value*

Type the value, which is valid for this display file/format, to return to the field when the user checks the check box.

*False Value*

Type the value, which is valid for this display file/format, to return to the field when the user does not check the check box.

*Text*

Type the text to place after the check box. If the field is blank, the system displays **Check for Yes** next to the check box.

If you do not want any text to show for the check box, type \*NONE in the Text entry.

- 6 Press F14 to use a MSGID instead of a literal. The format of the MSGID is MSGID\_MSG0000\_MSGFILE\_nn. The use of MSGID allows for internationalization.
    - MSGID – This is a literal entry that identifies the additional information as attributes for the MessageID.
    - MSG0000 – Replace with the Message ID, for example: CUX0123.
    - MSGFILE – Replace with the name of the MSGFILE to use. \*LIBL may be used to search the job library list for the message file, or a given library may be entered, for example: \*LIBL/CUMSGF or CUSTLIB/CUMSGF.
    - nn – This is the length to assign to this constant.
    - Example entry: MSGID\_CUX0123\_\*LIBL/CUMSGF\_25
-

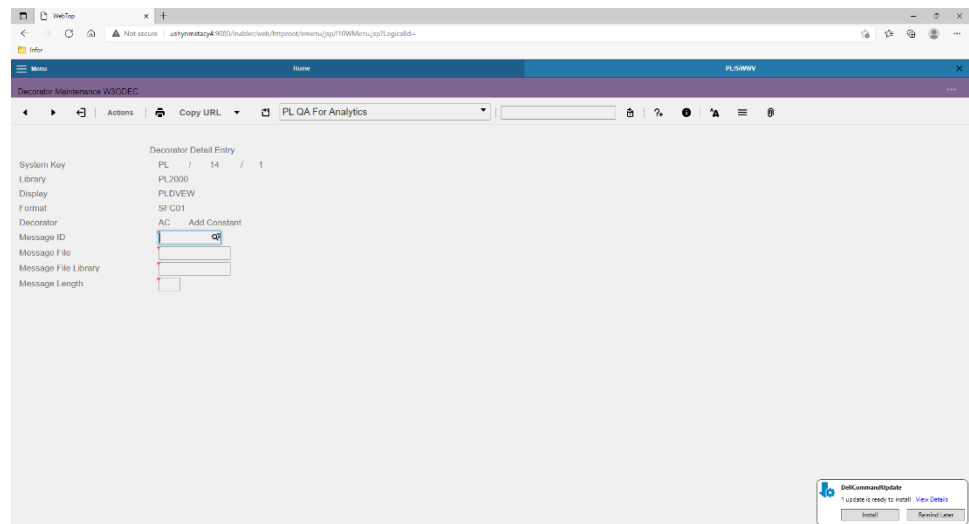


Figure 5-34: Decorator Detail Entry screen

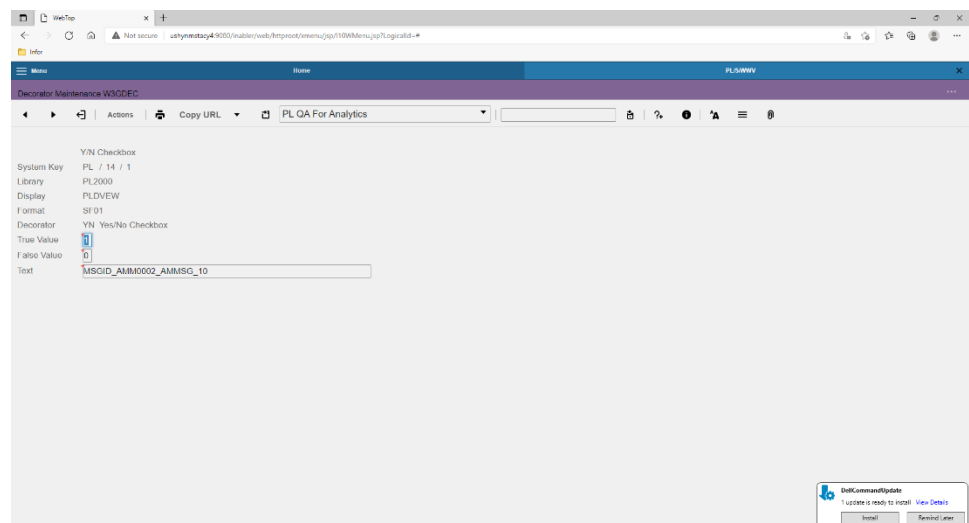


Figure 5-35: Y/N Checkbox screen

- 7 Press Enter to save your entries.
- 8 Click the Designer Mode icon to deactivate designer mode.

## Deleting a yes/no check box action

Complete the steps below to remove a yes/no check box.

- 1 On an application screen, click the Designer Mode icon on the application toolbar.

- 2 Select the field to change.
  - 3 Right-click the field. The system displays a list of actions.
  - 4 Select Yes/No Checkbox. The system displays the Decorator Maintenance screen.
  - 5 Select Delete from Actions.
  - 6 Press Enter.
  - 7 Click the Designer Mode icon to deactivate designer mode.
-

## Defining attachment rules

Use attachment rules to maintain rules for images and HTTP anchor tags that you can attach to the help attachment frame.

The attachment rule program supports attachment rules for the following URL types:

- Absolute URL

For example, `http://`

- Relative URL

For example, entering 'pictures' for the PREFIX uses the running path and appends '/' + 'pictures' to the running path as follows:

running path =

`'http://mymachine:8010/inabler/web/httproot/pages/main/content' + '/' + 'pictures'`

- Application context root

Using a supported/installed context root directs the request to the installed context root. For example, using `/INFINIUM/web/httproot/pictures` uses the following URL:

`'http://machine:8010' + '/INFINIUM/web/' + 'pictures'`

## Modifying an attachment rule

Complete the steps below to modify an attachment rule.

- 1 On an application screen, click the Attachment Rule icon on the application toolbar. The system displays the WebTop File Maintenance menu. Select Attachment Rule Maintenance from the menu. A screen that lists existing attachment rules is displayed.
-

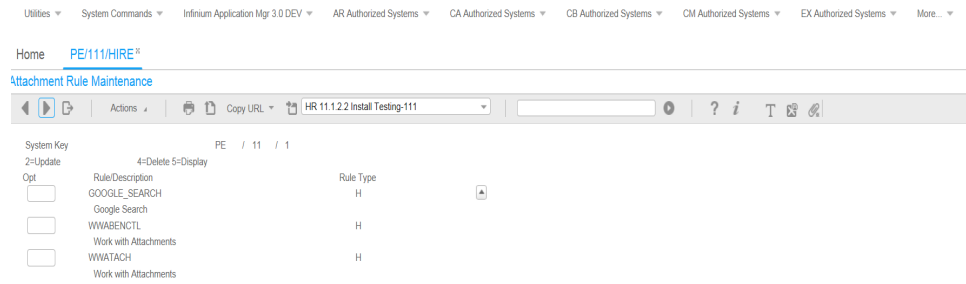


Figure 5-36: Attachment Rule Maintenance selection screen

On this screen you can perform the following actions:

- Change an attachment record by selecting the record to change and then selecting Change from Actions
- Delete an attachment record by selecting the record and then selecting Delete from Actions

2 Select Change from Actions to create a new attachment rule. The system displays a screen similar to the screen below.

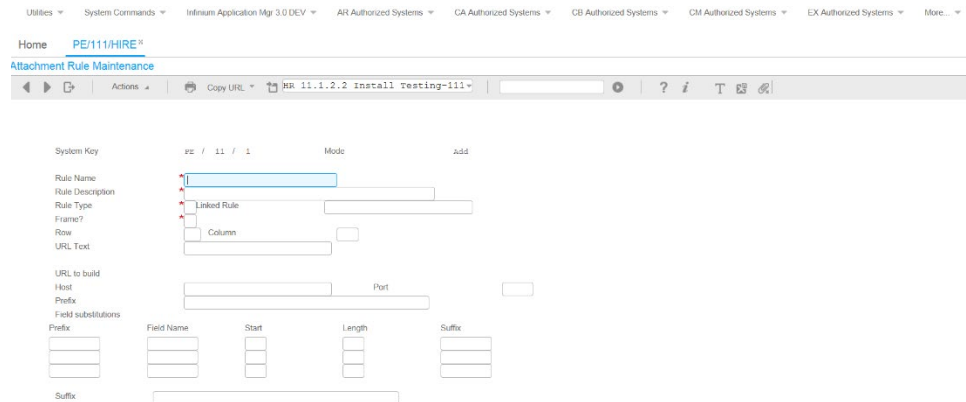


Figure 5-37: Attachment Rule Maintenance screen

3 Use the information below to complete the fields on this screen and create up to three fields for the URL.

### System Key

This is the system and the release for the product for which you are creating a URL.



### *Mode*

This is the modification level for the product for which you are creating a URL.

### *Rule Name*

Type the name of this rule. We recommend that you use meaningful text such as the display file and record format associated with the URL. For example, for an image rule for the PRDCCOM display file and the DSP01 record format, the name of the rule could be PRDCCOM.DSP01.image. The generic rule for the Google attachment rule could be **GOOGLE**.

### *Rule Description*

Type a brief description for this rule.

### *Rule Type*

Type a value to indicate whether this attachment rule is an image or an HTTP anchor tag. Valid values are:

- |          |                 |
|----------|-----------------|
| <b>I</b> | Image           |
| <b>H</b> | HTTP anchor tag |

### *Linked Rule*

Type the name of an existing attachment rule to launch when you click the image.

### *Frame?*

Type **1** to show the image in the help frame. If you type **0**, you must specify row and column values in the *Row* and *Column* fields.

### *Row*

Type the number that represents the row position for this attachment.

### *Column*

Type the number that represents the column position for this attachment.

### *URL Text*

Type the text to display on the screen for the URL.

For an image, **I**, this is alternate text. For an HTTP anchor tag, **H**, the text you type here is the text that displays on the screen.

---

### *URL to build*

Specify data in the *Host*, *Port*, and *Prefix* fields to build the URL string.

### *Host*

To override the existing host value, type a value for the new host.

### *Port*

To override the existing port value, type a value for the new port.

### *Prefix*

Type the beginning of the URL, for example, **http://**.

### *Field substitutions*

Specify data in the *Prefix*, *Field Name*, *Start*, *Length*, and *Suffix* fields to indicate field substitutions.

### *Prefix*

Type the prefix for the specific field.

### *Field Name*

Type the name of the field to substitute into the URL. In addition to any field name on the display, you can use the following system values, which are substituted at run-time:

- **\_sys\_**
- **\_rls\_**
- **\_mod\_**
- **\_lib\_**
- **\_plat\_**
- **\_jobn\_**
- **\_ver\_**
- **\_display\_**
- **\_format\_**

### *Start*

If you are substituting a value for the field and it is a partial field substitution, type the position within the field where the substitution starts.

---

### Length

Type the length of the field from the starting position.

### Suffix

Type the ending value of the field, for example **.gif** or **.pdf** for a field substitution or **/** if this is a directory.

- 4 Press Enter to save the attachment rule, or if the three template fields do not meet your needs, press F5 to display the complete URL string. You can override the URL with text that meets your requirements. When you press F5, the system displays a screen similar to the screen below.

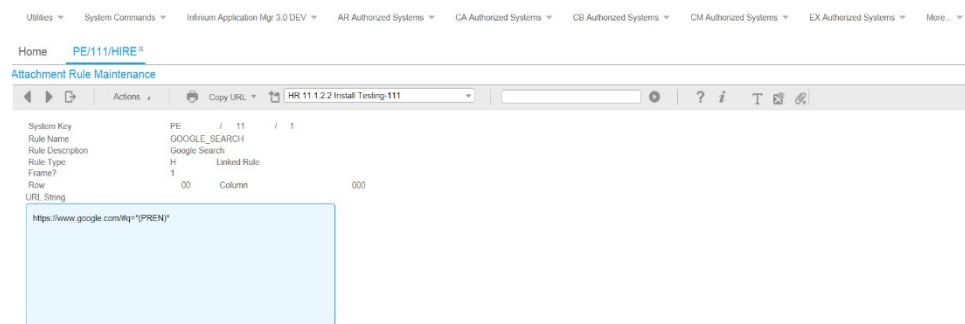


Figure 5-38: Attachment Rule Maintenance override screen

- 5 Modify the URL string field.

**Note:** After you manually modify the URL string field, you cannot change the first three template fields. You must make additional modifications on the override screen.

- 6 Press Enter to save the attachment rule.

## Attachment rule examples

Below are three examples of attachment rules.

Example of an attachment rule for an absolute URL

In this example, the rule name is **GOOGLE**. The description is **Google Link**. The type is **H**, HTTP anchor tag. The URL text on the help frame web page is **Google Link**. The URL that launches the attachment is **http://www.google.com/**. When you click the URL, the system launches the home page for the Google Search Engine.

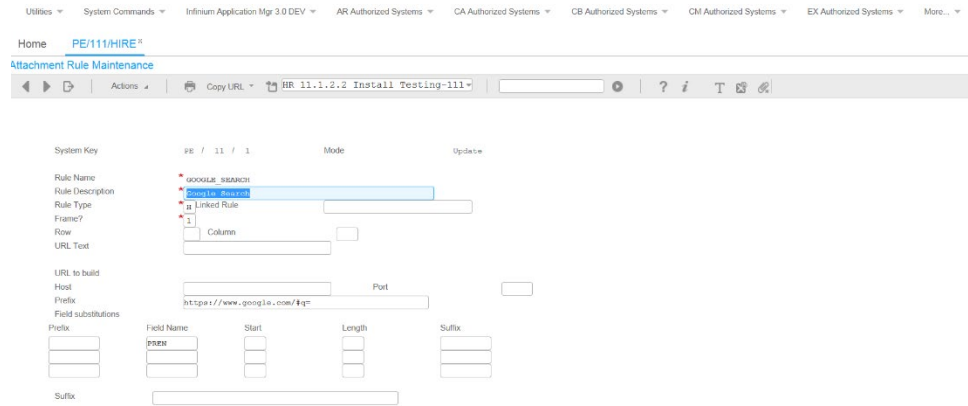


Figure 5-39: Attachment Rule Maintenance screen for an absolute URL

Example of a relative link attachment rule

In this example, the rule is **INV100F2.SCR001.PRODUCTPLIST**. The description is **Product Parts List**. The type is **H**, HTTP anchor tag, is in the help frame. The URL text on the help frame web page is **Parts List**.

A dynamic link uses the field value at run-time and substitutes it into the URL. This allows the content of the URL to change as data changes. In this example, the system appends the .pdf file extension to the value you enter in the *Field Name* field, in this case, **WK0039** and then appends the **WK0039.pdf** file to the *partlist/* value in the *Field Prefix* field shown below.

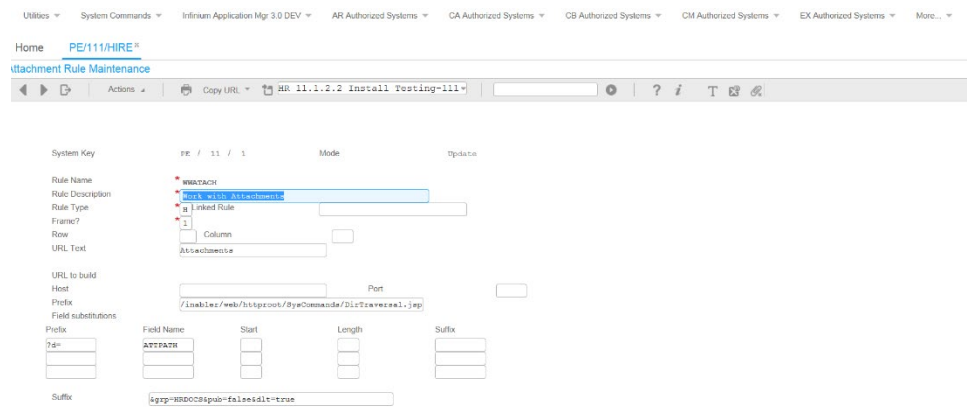


Figure 5-40: Attachment Rule Maintenance screen for a relative link

# Copying and Pasting

WebTop provides the ability to copy and paste data from a WebTop page to a WebTop page, from an external source (Word, Excel, Notepad) to WebTop, and from WebTop to an external source (Word, Excel, Notepad).

Pasting a numeric that does not match the input definition is formatted to the target input format. For example, pasting 142.1234 to a 5.2 defined input results in a pasted value of 142.12.

## From WebTop page to WebTop page

In this example, you copy lines from one Infor LX page and then paste those lines back into another Infor LX page. For this example, salesperson detail data in SAL100 is used, and address information is copied from one record to another.

- 1 Locate the record to copy. Draw a box around the data to copy by placing your cursor to the left of the first address input “100 Independence Drive” and while holding your left mouse key down, drag your cursor over the inputs to copy. When you release your left mouse key, the inputs to be copied have a blue background.
- 2 Press Ctrl+C to copy the data to your clipboard.

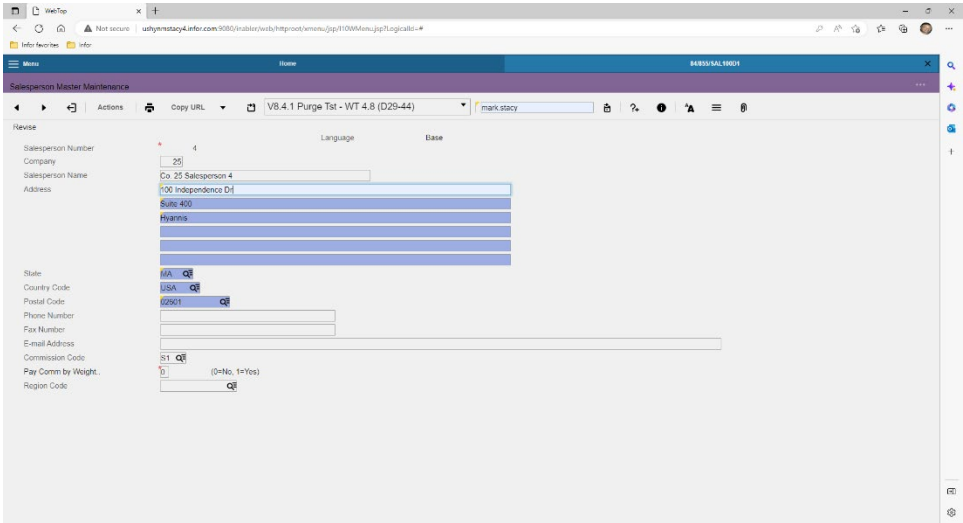


Figure 5-41: Copied input

- Exit the salesperson row, return to the subfile, and select a different salesperson. The address information for this salesperson is blank. Draw a box around the same inputs that you copied data from and to which to paste data.

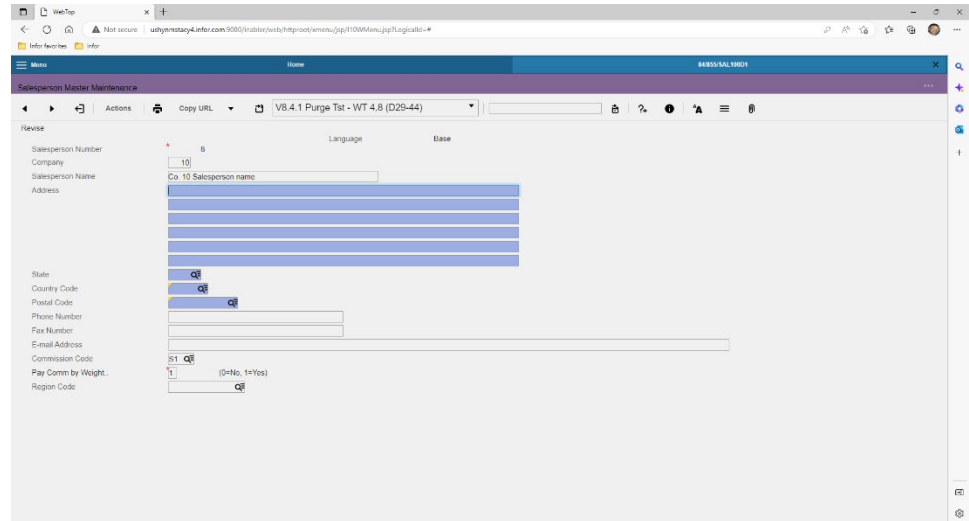


Figure 5-42: Location for input to be pasted

- Press **Ctrl+V** to paste the data from your clipboard to the selected inputs on the WebTop page.

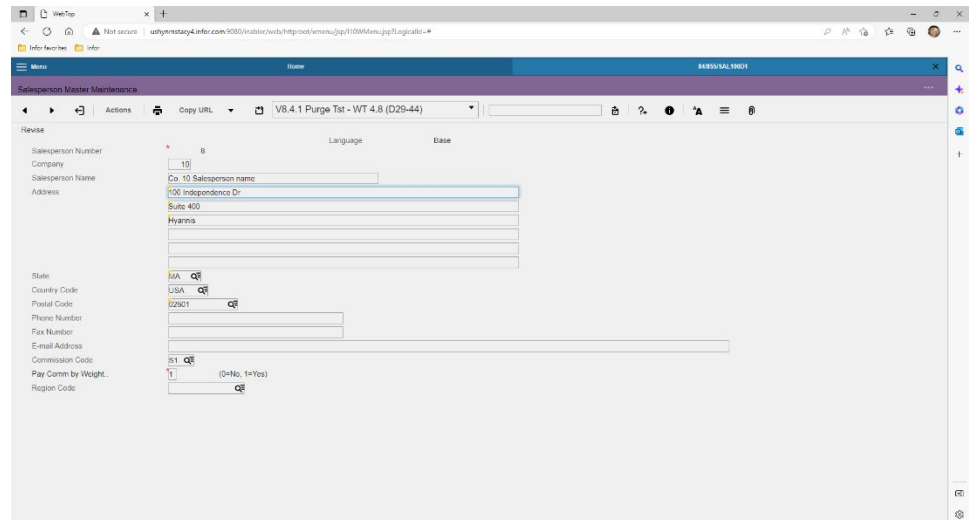


Figure 5-43: Pasted input

# From an external source (Word, Excel, Notepad) to WebTop

In these examples, you copy lines from an external source (Word or Excel documents, or Notepad) and paste them into an Infor LX page.

**Note:** When you create a row of values to be copied and pasted, you use the pipe “|” character as a separator character. The pipe character is used by WebTop to split the values into a list that is used when pasting.

For these examples, the salesperson page is used. Information is entered so that when you copy it, you can paste it into the Salesperson Webtop page and get the same result as in the previous WebTop pasted to WebTop example.

## Word to WebTop

- 1 Copy the information from Word to your clipboard:

For example, 100 Independence Dr|Suite 400|Hyannis| || |MA|USA|02601

- 2 On the WebTop page, draw a box around the inputs into which to paste the copied data.

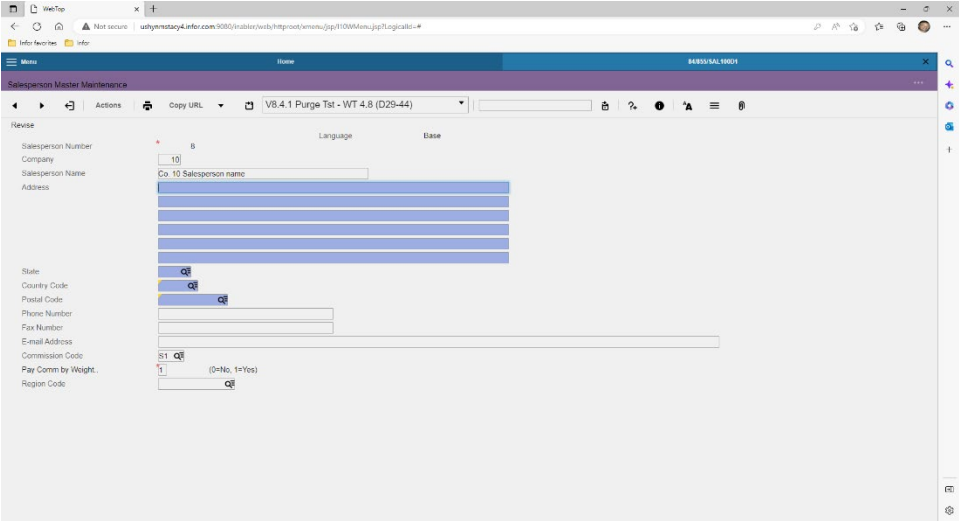


Figure 5-44: Location for input to be pasted

- 3 Press Ctl+V to paste the data from your clipboard to WebTop.

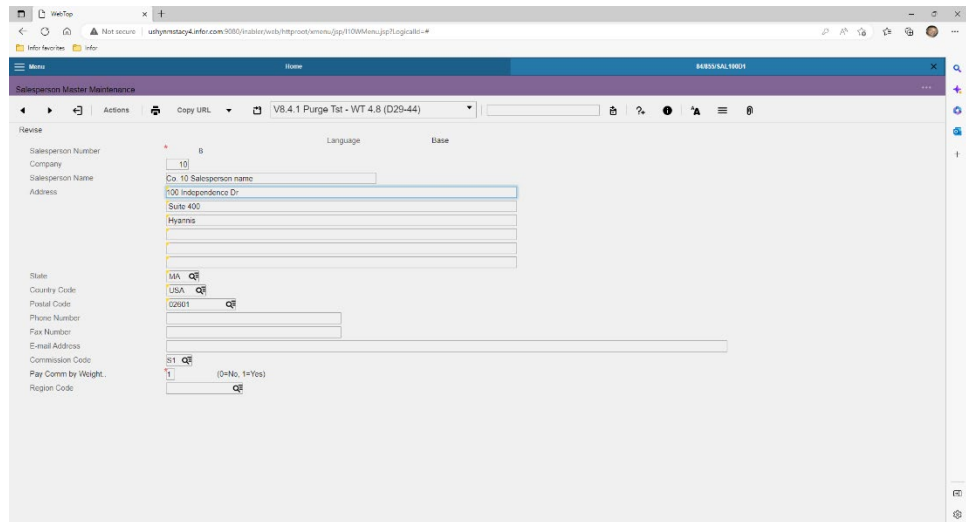


Figure 5-45: Pasted input

## Excel to WebTop

- Using the following source Excel document, copy the row data to your clipboard.

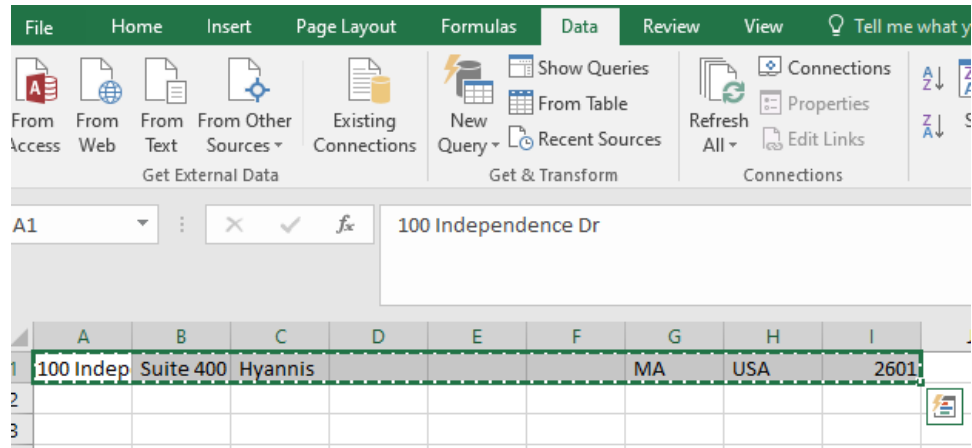


Figure 5-46: Row data to be copied

- In WebTop, using the SAL100, Salesman record in revise mode, draw a box around the inputs into which to paste the data from the clipboard.



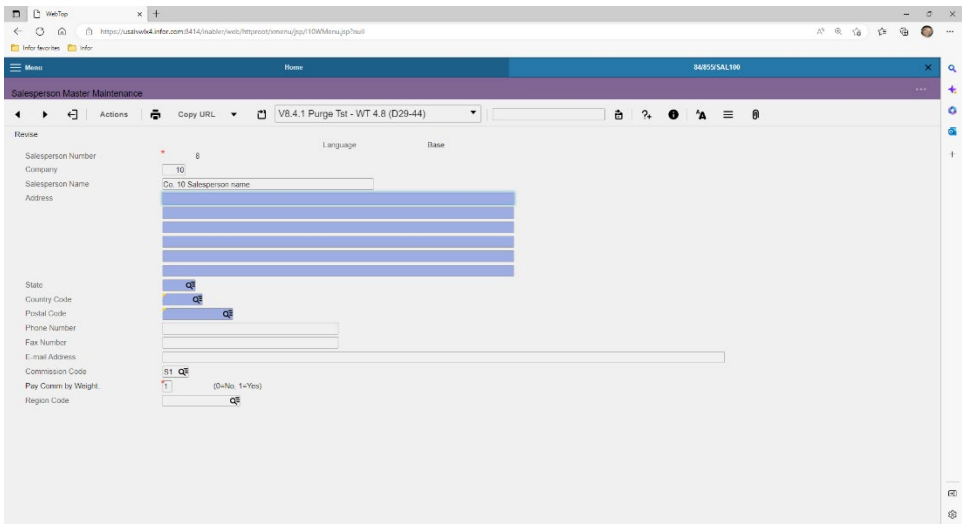


Figure 5-47: Location for input to be pasted

3 Press **Ctrl+V** to paste the data from the clipboard to the inputs on the WebTop page.

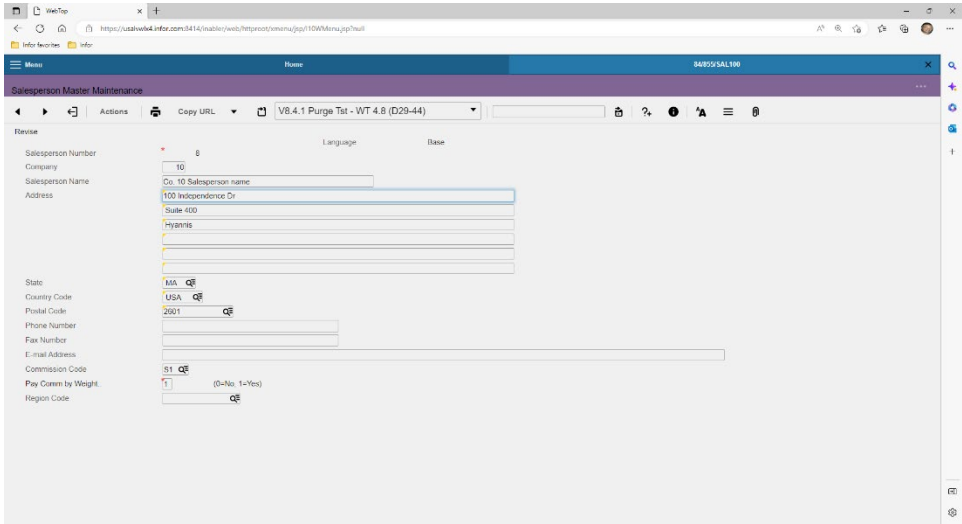


Figure 5-48: Pasted input

### Notepad to WebTop

1 Highlight and copy the data in Notepad to place the data in your clipboard.

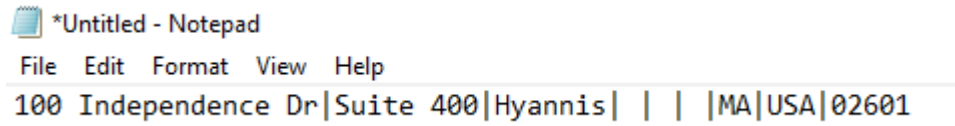


Figure 5-49: Data to be copied from Notepad

Notice that the pipe character is used as the delimiter.

- 2 In WebTop, using the SAL100, Salesman record in revise mode, draw a box around the inputs into which to paste the data from the clipboard.

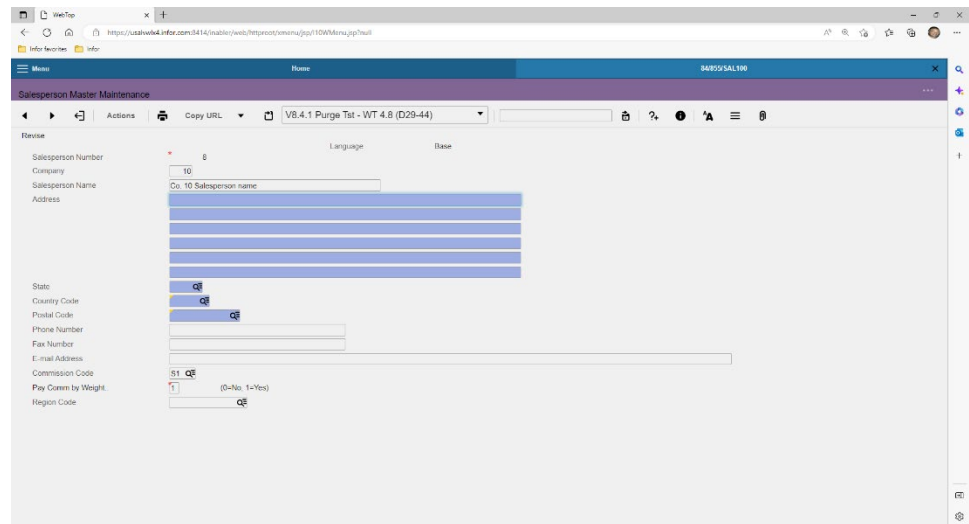


Figure 5-50: Location of the input to be pasted

- 3 Press Ctl+V to paste the data from the clipboard to the inputs on the WebTop page.

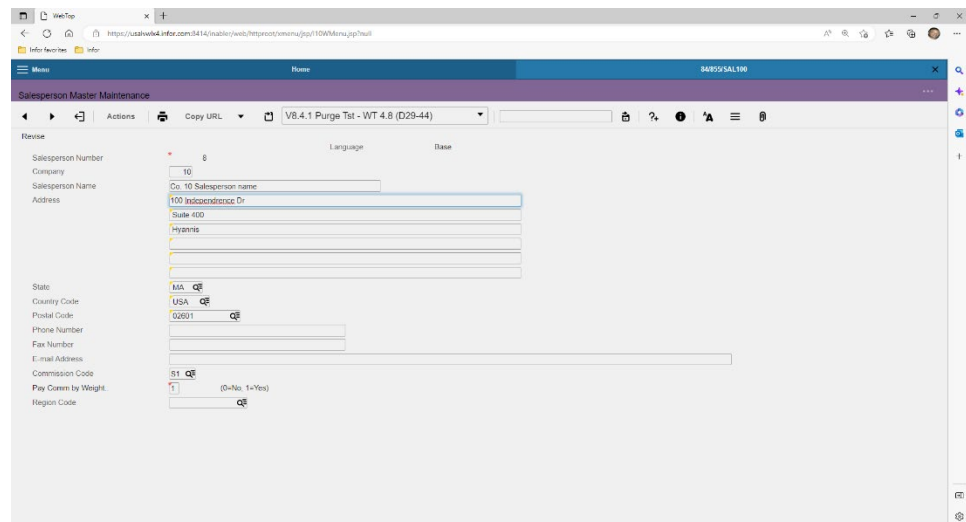


Figure 5-51: Pasted input

## From WebTop to an external source (Word, Excel, Notepad)

In these examples, you copy lines from a WebTop page to an external source (Word, Excel, or Notepad).

For these examples, the salesperson page is used. From WebTop, locate the salesperson record from which to copy input data and paste that data into Word, Excel, or Notepad.

### WebTop to Word

- 1 From the WebTop salesperson record, draw a box around the inputs to copy and press **Ctrl+C** to copy the data to your clipboard.

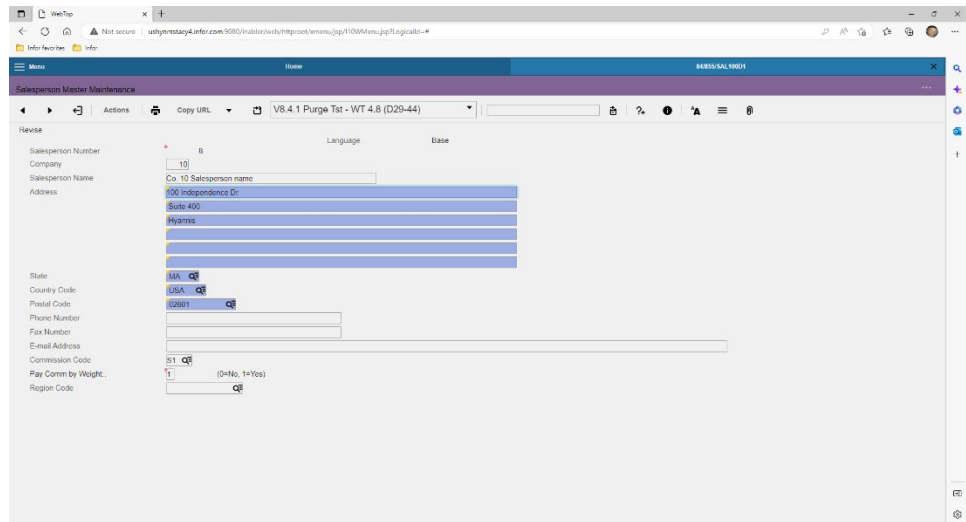


Figure 5-52: Input to be copied

- 2 Open a blank Word document and press **Ctrl+V** to paste the data from your clipboard into the Word document.

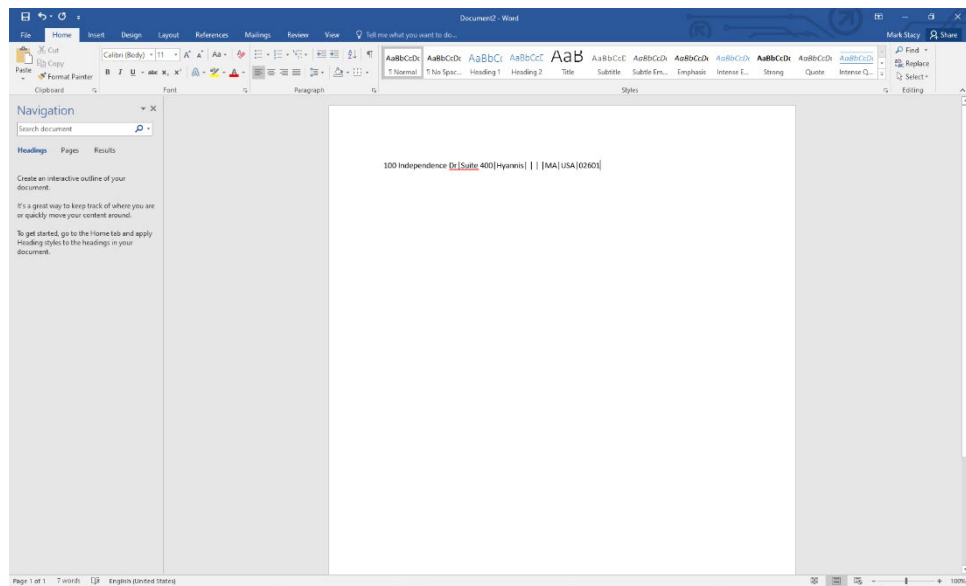


Figure 5-53: Word file where copied input is pasted

## WebTop to Excel

- 1 From the WebTop salesperson record, draw a box around the inputs to copy and press **Ctrl+C** to copy the data to your clipboard.

- 2 Open a blank Excel worksheet and press Ctrl+V to paste the data from your clipboard into the worksheet. The data are entered into the first column cell.

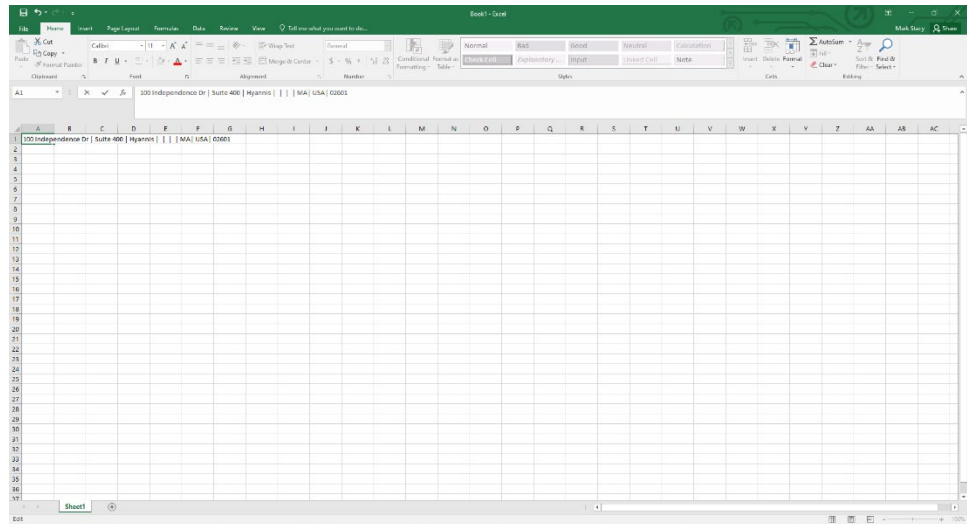


Figure 5-54: Data to be copied from Excel

- 3 Within Excel, select the Data tab and click Text to Columns.
- 4 Click the Delimited option and click Next.

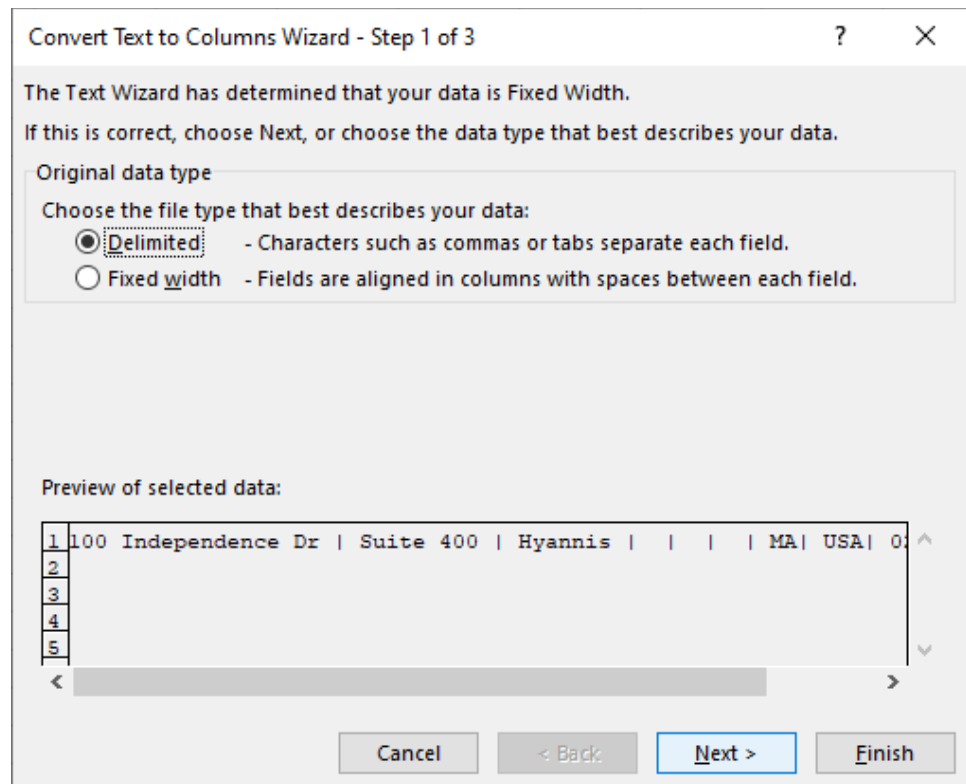


Figure 5-55: Delimited option in Excel

- 5 Click the Other check box and enter the pipe character “|” in the input.
- 6 Click Next.

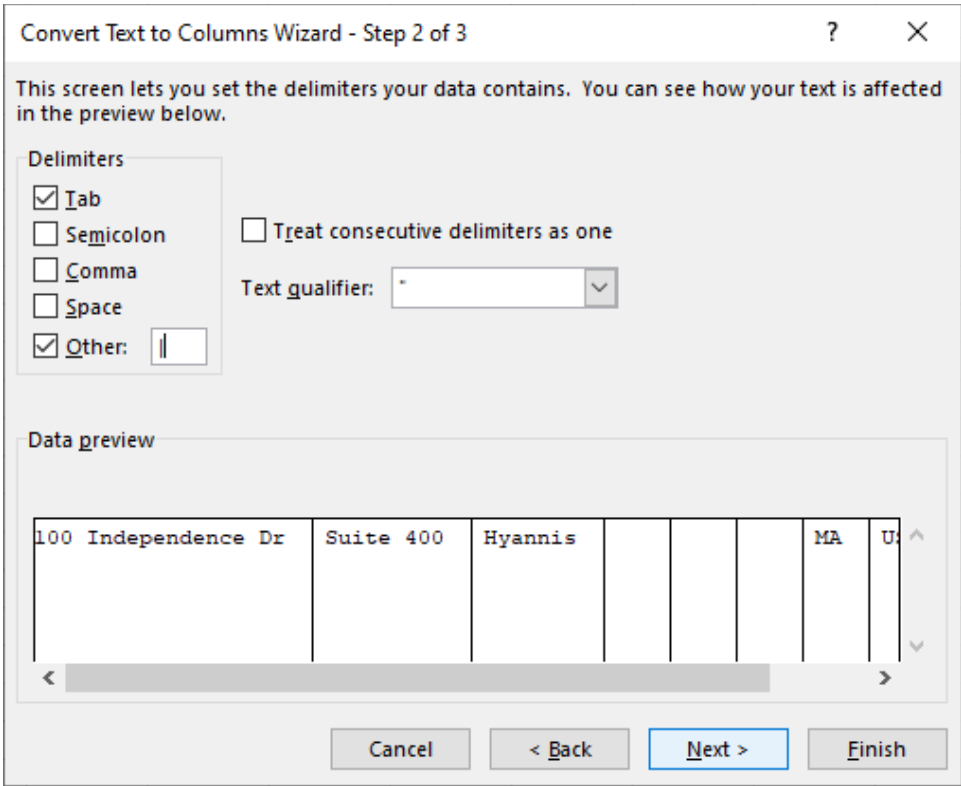


Figure 5-56: Set delimiters screen

7 Click Finish.

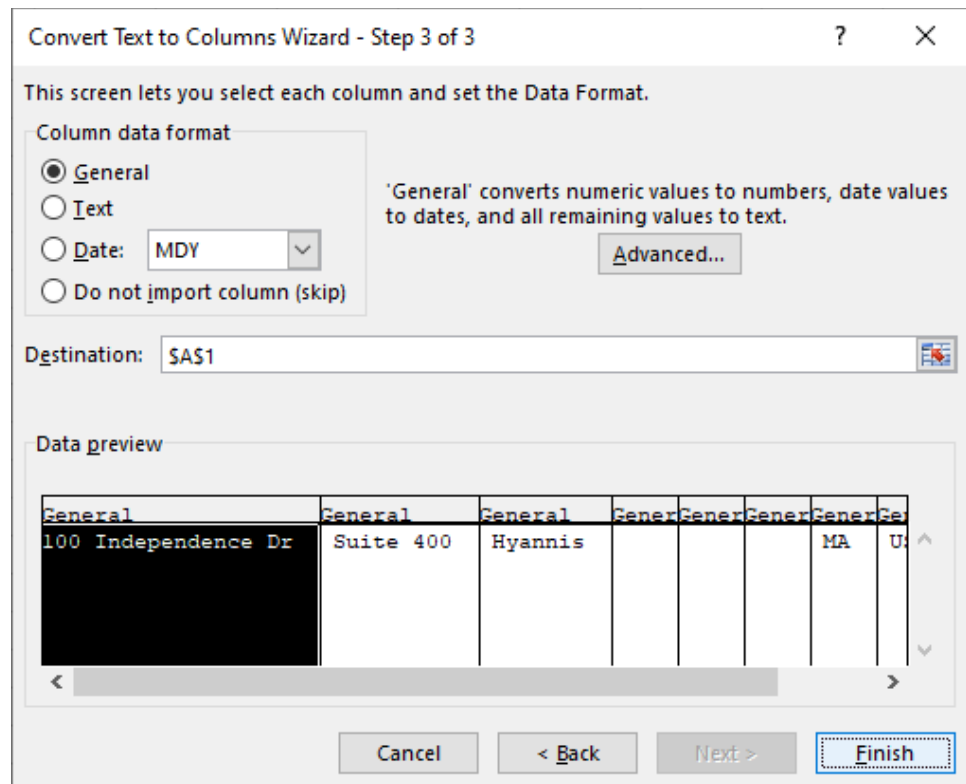


Figure 5-57: Data Format screen

Your data is now formatted.

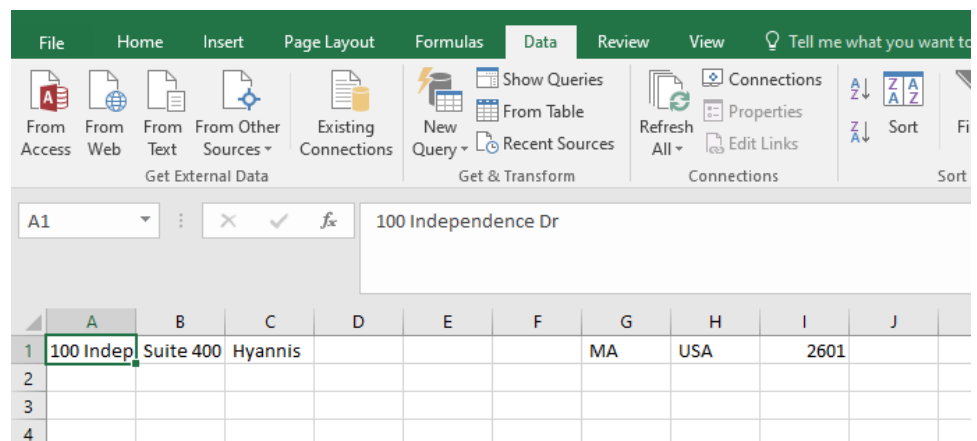


Figure 5-58: Data formatted in Excel

## WebTop to Notepad

- 1 From the WebTop salesperson record, draw a box around the inputs to copy and press Ctrl+C to copy the data to your clipboard.



- 2 Open a blank Notepad document and press Ctrl+V to paste the data from your clipboard.

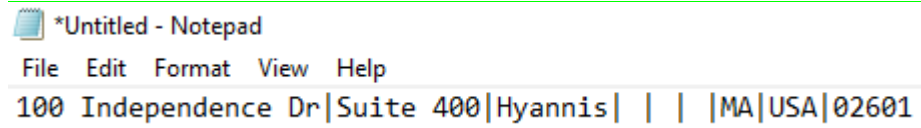


Figure 5-59: Data posted in Notepad

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## Notes