



# Infor Enterprise Server Web UI Difference Study

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# About this Guide

## Document summary

This document provides an overview of the differences between various Web UI versions.

To use this document, no detailed knowledge is required. Understanding the contents is easier if you are familiar with the overall Web UI functionality.

Each chapter describes the deployment changes and the usability improvements in a new Web UI version.

For more information about the deployment changes, see the *Infor Enterprise Server Web UI - Installation and Configuration Guide (U8715)* and the Web UI Administration Console online help.

For more information about the usability improvements, see the *Infor Ming.le-LN Plug-in - User Guide (U9647)* or the classic Web UI online help.

## Related documents

- *Infor Enterprise Server Web UI - Installation and Configuration Guide for Infor Web Help (U8934)*
- *Infor Enterprise Server - Release Notes*
- *Infor Enterprise Server - Technical Notes*
- *Infor Enterprise Server Installation Guide (U9484)*

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This chapter describes the differences between Web UI 10.14 and Web UI 10.13, and the new functionality in Web UI 10.14.

## Deployment changes

### **Discontinued support of Java 6 on client computers**

Web UI requires a Java 7 or Java 8 browser plug-in on client computers. Web UI cannot be started using the Java 6 browser plugin.

### **Discontinued support of Java 6 on UI servers**

The Web UI server requires the Java 7 runtime. The Web UI server cannot be started using the Java 6 runtime.



This chapter describes the differences between Web UI 10.13 and Web UI 10.12, and the new functionality in Web UI 10.13.

## Deployment changes

### Discontinued support of Java 6 from Web UI 10.14



**Caution:** With the release of Web UI 10.14, scheduled January 2015, Web UI's support of Java 6 Runtime Environments on client computers and the UI server will end. To continue using Web UI, you must upgrade client computers and the UI server to Java 7 or Java 8.

## Usability improvements

The **Options** menu is extended with the **Open Sessions in New Window** option. If this option is selected, sessions started from the Recently Closed panel or from the navigation menu are opened in a new window.



This chapter describes the differences between Web UI 10.12 and Web UI 10.11, and the new functionality in Web UI 10.12.

## Deployment changes

### **Support of client Java 7 and 8**

Web UI supports the latest updates of Oracle Java SE 7 (update 60) and 8 (update 5) on Windows client computers.

### **Support of Vietnamese language**

Web UI supports the Vietnamese language.

## Usability improvements

This release does not contain usability improvements.



This chapter describes the differences between Web UI 10.11 and Web UI 10.10, and the new functionality in Web UI 10.11.

## Deployment changes

### Support of client Java 7 update 51

Web UI supports Oracle Java SE 7u51 on Windows client computers.

## Usability improvements

### Show Mouse Over in Grid

The **Options** menu contains a new option: **Show Mouse Over in Grid**. Through this option users can enable or disable the background color change that occurs when they hover the mouse pointer over grid rows. To avoid the performance impact, that may occur as a result of rendering the hover effect, users can set this option to disabled.





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## Web UI 10.10

5

This release does not contain any deployment changes or usability improvements.



This chapter describes the differences between Web UI 10.9 and Web UI 10.8, and the new functionality in Web UI 10.9.

## Deployment changes

### **Windows 8 support**

Web UI is supported on the Windows 8 operating system, but only when the browser is running in Desktop mode.



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## Web UI 10.8

7

This release does not contain any deployment changes or usability improvements.



This chapter describes the differences between Web UI 10.7 and Web UI 10.6, and the new functionality in Web UI 10.7.

## Deployment changes

### Suppress user profile warning

In previous versions of Web UI, if a user tries to open the same user profile multiple times, this warning is displayed:

```
User profile is already being edited in another browser.  
Do you want to close the LN connection it holds?  
Pressing No will mean you will get read-only access to the user profile.
```

You can now suppress this warning through a setting in the Web UI Administration Console.

To suppress the warning, in the User Profiles administration page, under **Global Options**, select the **Suppress Warning for Multiple Login** check box. The setting is applied to all users of this Web UI instance.

If the warning is suppressed, the user profile opens with read-only access if the user opens it for the second time, third time, etc.

### Synchronizer

The Calendar and Contact Synchronizer now supports Exchange Server 2010.

## Usability improvements

### **Start Screen Employee**

In previous versions of Web UI, when running Web UI in Infor Ming.le™, the **Start Screen Employee** action in the Employees (tgbrg8135m000) session was not properly supported. The Employees (tgbrg8135m000) session is used in Organization Modeling in DEM.

The **Start Screen Employee** action now opens a start page of an employee, so you can check if that page matches the employee's designated role(s).



This chapter describes the differences between Web UI 10.6 and Web UI 10.5, and the new functionality in Web UI 10.6.

## Deployment changes

### Support single sign-on for multiple domains

You can configure Web UI to support single sign-on from multiple domains. When enabled, Web UI sends the User Principal Name instead of the SAM account name (also known as pre-Windows 2000 user logon name) as Infor SSO username to the Enterprise Server.

To configure support for multiple domains, use the Login Configuration page in the Web UI Administration Console.

### Support of Tomcat 7

Web UI may be deployed on version 7 of the Apache Tomcat web container.

**Note:** Tomcat 7 changes the default value of the **useHttpOnly** Context attribute from **false** to **true**. To run Web UI the value of this attribute must be **false**. If you upgrade from a previous version of Tomcat, we recommend that you check the `[CATALINA_HOME]/conf/Catalina/localhost/webui.xml` file and ensure that the Context element for Web UI has this attribute setting: `useHttpOnly="false"`

See this example:

```
<Context path="/webui" docBase="c:\webui\webapp" debug="0"
useHttpOnly="false" >
</Context>
```

### Automatic refresh of logging configuration

This enhancement is relevant to clustered environments only.

When you use the Logging page in the Web UI Administration Console to change the logging configuration, the new values are automatically propagated to other Web UI server cluster members that share the same logging configuration file.

### **Discontinued OS X support**

Support of Web UI on OS X clients is discontinued because of serious functional issues caused by bugs in the Java implementation. In addition, Apple actively discourages users to run Java applet-based programs, such as Web UI, in the browser: the latest version of the Java 6 runtime uninstalls the Apple-provided Java applet plug-in from all web browsers.

## Usability improvements

### **Personalization of grid column labels**

In Web UI you can personalize the column labels of overview sessions.

This enhancement requires an Enterprise Server update. See *InforXtreme 1181614*.

### **Visual style changes**

Web UI has a changed visual style following the recently introduced Infor brand.

The changed style is only visible if Web UI runs as a plug-in of Infor Ming.le 10.3 or higher.

This chapter describes the differences between Web UI 10.5 and Web UI 10.4, and the new functionality in Web UI 10.5.

## Deployment changes

### Support of JBoss AS 6.1.0

Web UI may be deployed on the JBoss Application Server 6, version 6.1.0.

### Support of Java 7

Java SE 7 is supported for the Web UI server and Windows client computers. Oracle has announced that Java 6 SE public updates will end in November 2012. For continued access to security fixes, end users are recommended to update their Windows computers on which Web UI is run, to Oracle Java SE 7.

### Simplified Configuration of Integrated Windows Authentication

If the Web UI server runs on a Windows operating system, Single Sign-On using Integrated Windows Authentication relies on Active Directory's Service Principal Name (SPN). The SPN has this format: 'HOST/[FQDN Machine Name]'. This SPN maps to the built-in computer account that is automatically registered by Windows.

It is not necessary to create a specific SPN in the 'HTTP/[FQDN Machine Name]' format. Therefore, if Integrated Windows Authentication is selected, the Login configuration page in the Web UI Administration Console does not require additional information, such as a pre-authentication account.

**Note:**

This applies only if the Web UI server runs on a Windows operating system and if Web UI is configured for Integrated Windows Authentication for the first time. For details, see chapter 5 in the *Infor Enterprise Server Single Sign On User Guide (U9559)*, edition D or higher.

## Usability improvements

### Session running in floating window

This enhancement applies to the Infor Ming.le-LN Plug-in.

In previous Web UI versions, these methods are available to start a session in a separate, floating, window:

- Press the Ctrl key while selecting a session from the navigation menu.
- Press the Ctrl key while clicking a thumbnail of a recently closed session in the application area.

Now you can use these additional methods to start a session in a floating window:

- Select the **Open in new Window** check box in the Run Program dialog box. You can start this dialog box from the **Options** menu.
- Select the **Open in new Window** check box in the **Options** tab in the LN Navigator context application.
- Right-click a session in the **LN** tab in the LN Navigator context application, and select **Open in new Window**.
- Press the Ctrl key while selecting a session in the **LN** tab in the LN Navigator context application.

### Modal sessions from workbench session

Workbench sessions can now implement a feature to start a session in a modal way. As long as this modal session is running, the workbench session is blocked. When the modal session ends, the workbench can receive information returned by the ended session.

This chapter describes the differences between Web UI 10.4 and Web UI 10.3, and the new functionality in Web UI 10.4.

## Deployment changes

### MAC/OS X support

Web UI is supported on OS X clients for Safari and Firefox browsers.

For details about restrictions, see the "System requirements for the desktop" section in Appendix A, "System Requirements", in the *Infor Enterprise Server Web UI - Installation and Configuration Guide (U8715)*.

### IPv6 support

Web UI supports Internet Protocol version 6 (IPv6).

## Usability improvements

This section describes the usability improvements in Web UI 10.4 and the prerequisites for the LN server.

### Prerequisites for the LN server

For these improvements, Infor Enterprise Server 10.2 must be installed on the LN server:

- Excel import
- Split standard toolbar
- Quick flow / suppress messages and questions
- ION Workflow support
- Printing improvements

## Excel import

In the Infor Ming.le-LN Plug-in, you can import data from MS Excel workbooks into LN sessions.

## Split standard toolbar

In various sessions, records are displayed per group. In those sessions, the buttons to navigate between groups are displayed at the top of the session. The buttons to navigate between records in the same group are displayed directly above the grid.

This change applies to the Infor Ming.le-LN Plug-in.

## Quick flow / suppress messages and questions

To streamline processes that use print or option dialogs, you can store preset values and suppress process steps. In this way, you can reduce the number of mouse-clicks required to run a particular action.

For example, to optimize print processes or process actions in a session's menu or toolbar, you can suppress these components:

- Device selection dialogs for reports
- Option dialogs for menu actions
- Question dialogs
- Message dialogs

This change applies to the Infor Ming.le-LN Plug-in.

## ION Workflow support

Some sessions are enabled for ION Workflow. You can use these sessions to make changes to a Business Object.

In these sessions, these commands are available:

- Revert to Approved
- Recall
- Save
- Submit

This change applies to the Infor Ming.le-LN Plug-in.

## Personalize menus

In the Infor Ming.le-LN Plug-in, you can personalize the menus in a session. You can hide/unhide commands and, for example, set one of the actions in the Print menu as default action.

## Printing improvements

In the Infor Ming.le-LN Plug-in, these improvements are available:

- The printer selection is included inside the print session as the first tab or group. You can save a default print device in the print session. A preview button is included to preview results on the screen. From the preview, you can print Adobe PDF documents or send the documents through e-mail.
- The print session's printer selection tab/group shows the local printers installed on the Web UI client.
- The Print icon has a default print action and a menu to select all available print actions. To execute the default action, click the print button. In the print icon's menu, the default action is indicated by a green dot. To change the default action, you must personalize the print menu.

## Search - exact match

The Search dialog box in LN sessions contains an **Exact Match** check box. Use this check box to indicate whether the search results must exactly match the specified search string.

## LN Navigator

The Infor Ming.le-LN Plug-in contains the LN Navigator context application.

This context application contains the standard controls to navigate to LN applications and a search feature to find applications on code or description.

Dependent on the user profile, the **LN Navigator** can contain these tabs:

- **Processes**

This tab contains the DEM Process Browser. Users can navigate to LN applications based on predefined DEM process flows.

- **LN**

This tab contains a folder tree to navigate through the LN menu structure, and start sessions.

- **Options**

Use this tab to start sessions by code, and to switch to another LN company number.

For details about the installation of the LN Navigator context application, see *Infor LN Role Based Home Pages Administration Guide (U9738)*

## Export shortcuts to Infor Ming.le

In classic Web UI, you can export shortcuts in a format that can be imported into Infor Ming.le.

To perform such an export, right-click a shortcut group and select **Export Shortcut(s)**. Then select **Export for Infor Workspace**.



This chapter describes the differences between Web UI 10.3 and Web UI 10.2, and the new functionality in Web UI 10.3.

## Deployment changes

### Improved support of Integrated Windows Authentication SSO

The Integrated Windows Authentication Configuration dialog box in the Web UI Administration Console contains these new features:

- **Active Directory Hostname (KDC)** text field  
You can specify multiple KDC entries in this field.
- **KDC Lookup** button  
Shows a list of all KDCs in Active Directory. You can select one or more KDCs. These KDCs are propagated to the **Active Directory Hostname (KDC)** field.
- **Test** button  
Runs a diagnostic test to validate the IWA configuration settings.

### Display certificate expiry dates

In the Web UI Administration Console, the validity of certificates is displayed in these dialog boxes:

- **Federation Services Configuration**  
To open this dialog box, select **Infor Web UI Administration > Login Configuration** . Then select **Federation Services** and click **Configure SSO**.  
The 'Valid Until' date of the AD FS token-signing certificate is displayed.
- **Tomcat HTTPS Configuration**

To open this dialog box, select **Infor Web UI Administration > Login Configuration** and click **Configure HTTPS**.

The 'Valid From' and 'Valid Until' date of the HTTPS certificate in the Tomcat keystore are displayed.

- **Diagnostics**

To open this dialog box, select **Infor LN > Diagnostics** .

For Infor LN or Baan environments that use the BaanLogin SSL protocol, the 'Valid From' and 'Valid Until' dates of the BaanLogin SSL certificate in the Web UI and Infor LN keystores are displayed.

## Usability improvements

### Navigation menu

To open a sub-menu in the navigation menu in Infor Ming.le, you must now select the sub-menu through a mouse click.

In the previous Web UI version, you only had to move the mouse pointer over the sub-menu.

### Row navigation, scrolling, and selection

These changes apply to Infor Ming.le and classic Web UI:

- If you press Tab or Shift+Tab to navigate a session's editable grid fields, the row header is skipped.
- If you press Ctrl+Spacebar, the current record in the grid is selected.
- If you press Tab in the last editable field of the last visible row, the next row is displayed.

### Bar charts

In Infor Ming.le and classic Web UI, bar charts are now displayed in 2D style instead of 3D style.

This chapter describes the differences between Web UI 10.2 and Web UI 10.1, and the new functionality in Web UI 10.2.

## Deployment changes

### Client Java Configuration

The **Java Heap Size** page in the Web UI Administration Console is replaced by the **Client Java Configuration** page.

In addition to the heap size, the Web UI administrator can specify the URL to download the client JRE. See the online help of the **Client Java Configuration** page.

### Java Web Start

Java Web Start is not supported anymore. Web UI always runs in a browser window, for example if you start Web UI through a desktop shortcut or through the Open Profile functionality.

The rationale is as follows: running Web UI as a Java Web Start application has a negative impact on future supportability of Web UI.

More specifically and in technical terms, the reason is as follows: if Web UI runs as a Java Web Start application, rendering of reports in the Display Browser device or rendering of admin pages requires the JDIC third party component. This component is not properly supported in Windows 7. As more and more customers will migrate to Windows 7, continued support of Java Web Start for Web UI poses a growing risk for all Web UI users.

## Usability improvements

### Tooltip with complete text

If the text in a display field is cut off, a tooltip shows the entire text.

The latest Infor Enterprise Server version must be installed on the LN server.

### Switch between sessions or tabs

You can use these keyboard shortcuts to switch between running sessions, session tabs, and DEM processes:

- Ctrl+Tab
- Ctrl+Shift+Tab

### Export to Excel

The **File location** field in the export sessions shows the Web UI client's actual temporary directory instead of the fixed `C:\TEMP` directory.

The latest Infor Enterprise Server version must be installed on the LN server.

### Keyboard shortcuts for Infor Ming.le-LN Plug-in

You can use various new keyboard shortcuts in the Infor Ming.le-LN Plug-in.

### About dialog box

The Bshell environment commands of the selected user profile are displayed in the About dialog box.

### Grid columns

You can double-click the column separator in a grid header to change the column width to automatically fit the contents.

## Show display-only fields

You can right-click on any location in a session to locate empty display-only fields. A dashed box is displayed around each display-only field.



This chapter describes the differences between Web UI 10.1 and Web UI 8.7.2, and the new functionality in Web UI 10.1.

## Deployment changes

### Integrated Windows Authentication

Web UI now supports connections based on Integrated Windows Authentication.

For details on how to configure connections based on Integrated Windows Authentication, see the *Infor Enterprise Server Single Sign On User Guide (U9559)*.

See also the online help of these Web UI Administration Console pages/dialog boxes:

- Login Configuration
- Infor LN Environments
- Generate/Update Keystores

### Basic Authenticator page

The Basic Authenticator page is removed from the Web UI Administration Console.

### Logging page

The Logging page in the Web UI Administration Console now contains a **Refresh** button. Click **Refresh** to apply the changed logging settings, which are shared from a different Web UI server. This avoids that you have to restart the Web UI servers that are dependent on the shared Logging configuration.

## Usability improvements

### **Infor Ming.le-LN Plug-in**

The color scheme and buttons in the Infor Ming.le-LN Plug-in are changed.



This chapter describes the differences between Web UI 8.7.2 and Web UI 8.7, and the new functionality in Web UI 8.7.2.

## Introduction

This chapter describes the enhancements in the Web UI 8.7.2 release.

**Important:** This chapter contains references to Enterprise Server 8.7.1 and Enterprise Server 8.7.2:

- Enterprise Server 8.7.1 is Enterprise Server 8.7 with the weekly tools solution of week 21 (solution 1022032) installed.
- Enterprise Server 8.7.2 is Enterprise Server 8.7 with the weekly tools solution of week 27 (solution 1039334) installed.

## Deployment changes

### Print to display

This change applies to servers with Enterprise Server 8.7.2 or higher.

When you print a report to your display, for example through device D, the output is displayed in HTML or PDF format.

The LN administrator can use the WebUI Display Device Type (ttaad3108m000) session to set the default output type, PDF or HTML, for devices of type Display. This default applies to the entire LN environment.

## Usability improvements

### Personalize grid

This change applies to servers with Enterprise Server 8.7.1 or higher.

The Personalize Grid (ttadv9210m100) session that is used to personalize sessions is improved. Among other things, the session now contains separate panes for:

- 1 Form tabs
- 2 Visible fields
- 3 Form tab or field properties
- 4 Hidden fields

### Export and Import Personalizations

This change applies to servers with Enterprise Server 8.7.1 or higher.

You can export your personalizations to an XML file on your computer. You can import this file into another LN environment. In this way you can copy your personalizations from one environment to another.

### Toolbar personalization in Infor Ming.le-LN Plug-in

This change applies to servers with Enterprise Server 8.7.1 or higher.

You can personalize the toolbar in sessions that run in the Infor Ming.le-LN Plug-in.

### List of recently used sessions

The "Recently used" sessions list in the Infor Ming.le-LN Plug-in is renamed to "Recently closed".

### Hide fields on the fly

This change applies to servers with Enterprise Server 8.7.1 or higher.

In details sessions, you can hide fields on the fly. You can restore all hidden fields.

## Move grid columns on the fly

To change the sequence of the columns in a grid, you can drag columns to another location in the grid.

## Draggable splitter bar

Various sessions, such as the Sales Order - Lines session, contain a draggable splitter bar that separates different areas in the session window.

You can drag the splitter bar to resize the areas in the session window to your needs.

## Export to Excel

This change applies to servers with Enterprise Server 8.7.2 or higher.

In various LN sessions, you can export data to MS Excel.

In each session where you can export data to Excel, this functionality is available:

- 1 An Export button in the session's toolbar
- 2 A menu with these commands:
  - **Quick Export:** Directly exports the selected data using default settings.
  - **Advanced Export:** Starts a session where you can specify settings for the export.
  - **Fields to Export:** Starts a session where you can select the fields to be exported.
  - **Settings:** Starts a session where you can specify general export settings for all sessions.

### Note:

To export data to Excel, Java 6 (JRE 1.6) must be installed on the LN server.

## Print to display

This change applies to servers with Enterprise Server 8.7.2 or higher.

When you print a report to your display, for example through device D, the output is displayed in HTML or PDF format.

The LN administrator can set the default output type, PDF or HTML, for devices of type Display. This default applies to the entire LN environment.

## Browse button to select pictures

When you hover the mouse pointer over a picture, a browse button is displayed.

## Floating window

This change applies to the Infor Ming.le-LN Plug-in.

You can press Ctrl while selecting a session on the menu, or in the Recently Closed sessions list. The session starts in a separate window that can be moved and resized.

## Paperclip icon

If a record has an attachment, such as a text, a paperclip icon is displayed before the corresponding row in the grid.

This feature was already available in Web UI, but is now also implemented in the Infor Ming.le-LN Plug-in.

## Move shortcut groups

In Web UI, you can now move shortcut groups within the **Shortcuts** panel.

This chapter describes the differences between Web UI 8.7 and Web UI 8.6, and the new functionality in Web UI 8.7.

## Deployment changes

### **Federation services configuration page**

The Web UI Administration Console contains a page to set configuration parameters in the Web UI, which is related to the ADFS server.

### **Synchronizer control page**

The Web UI Administration Console contains a page to start and stop the Exchange Synchronizer. The Exchange Synchronizer synchronizes contacts and calendar events between Microsoft Exchange and LN CRM.

### **Easy filtering**

You can specify if, and for which fields, easy filtering will be available.

### **Decimal sign and thousand sign**

You can specify which decimal sign and thousand sign will be used in amounts in LN sessions in Web UI:

- 1 The decimal sign and thousand sign as defined in the Windows settings on your client PC

- 2 The decimal sign and thousand sign as defined in LN

## Displaying icons in enumerated fields

To display icons in enumerated fields in overview sessions, you can specify configuration settings.

## Dropping pictures

You can authorize users to drop pictures in sessions that have a picture box. A user can drop a picture only if the session supports this action.

## Smart links

For LN back-ends with Enterprise Server 8.5 and later, you can no longer configure smart links in the Web UI Administration Console.

From Enterprise Server 8.7, smart links are enabled by default. You can disable smart links in the Maintain Parameters (ttaad0100m000) session on the LN server.

## Workflow

Web UI now supports Fujitsu Workflow 11. Therefore, the Update Workflow Integration Component page is removed from the Web UI Administration Console. The Workflow Configuration page is updated and you must now specify the Infor Workflow version. Depending on the Infor Workflow version, you must copy the iFlow.jar file and restart the Web server.

## Online help for console pages

Online help is available for each page of the Web UI Administration Console.

# Usability improvements

## Infor Ming.le

You can start Web UI from Infor Ming.le.

## Automatic scroll in Graphical Browser Framework

The Graphical Browser Framework (GBF) is improved. You can now drag to an item below the lower border of the GBF window. The window scrolls automatically. In previous versions, you had to scroll down manually in the GBF window.

## Personalizing sessions

For LN servers with Enterprise Server, you can personalize the fields in overview sessions in the new Personalize Grid (ttadv9210m100) session.

## Displaying icons in enumerated fields

Depending on configuration settings, icons can be displayed in enumerated fields in overview sessions. The icons are linked to enumerated constants and are displayed instead of the corresponding enumerated descriptions, which saves space in the grid.

## Dropping pictures

Depending on authorization settings, users can drop pictures in sessions that have a picture box. A user can drop a picture only if the session supports this action.

## Moving grid fields to other tabs

In overview sessions with multiple tabs, users can move grid fields to other tabs.

This functionality is supported for LN servers with Enterprise Server or later.

## Federation Services login

Users can log in through a Federation Services login URL. By logging in once, users gain access to multiple applications. Depending on ADFS configuration settings, users can be logged in automatically based on their Windows credentials.