

# **BANNER WEB TAILOR RELEASE GUIDE**

Release 8.4  
December 2010

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# Introduction

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This *Release Guide* documents the Web Tailor 8.4 release of the Banner Web Tailor System. Release 8.4 includes RPEs and problem resolutions.

## Cumulative documentation and patches

This document provides detailed information about the Web Tailor 8.4 release only. Web Tailor 8.4 is a cumulative release that includes:

- RPEs and problem resolutions delivered in the Web Tailor 8.3.1 release.  
For complete documentation about this interim release, please refer to the interim release guide identified in the table that follows.
- Patches delivered after Web Tailor 8.3 that were not rolled into the Web Tailor 8.3.1 release.
- Patches delivered after Web Tailor 8.3.1 that are rolled into the Web Tailor 8.4 release.

For more information about the patches, please refer to Customer Support Center.

Release/Patch Number	Contents	Release Date
b_0110_twb8030001	Defect posting	February 2010
b_0110_twb8030002	Defect posting	March 2010
b_0410_twb80300	Defect posting	April 2010
b_0610_twb8030004	Defect posting	July 2010
Release 8.3.1	RPEs and Problem Resolutions	August 2010
p1-dc06g9_twb8030101	Defect posting	October 2010
p1-eubz6f_twb8030102	Defect posting	November 2010

## System Requirements

You must install the following minimum releases to upgrade to Banner Web Tailor 8.4.

- Banner General 8.4
- Banner Web Tailor 8.3

## Oracle dependencies

The following table indicates the minimum version of Oracle components that you must install before installing Banner Web Tailor.

Oracle Solution	Banner Web Tailor 8.4
Oracle Application Server (OAS)	10.1.3.x (for Web Applications) 10.1.2 or 10.1.3 for SSB Components

## Java dependencies

The following table indicates the minimum version of Java components that you must install before installing Banner Web Tailor.

Java Solution	Banner Web Tailor 8.4
Java JDK	1.5.0_08 (for pieces deployed to an OAS 10.1.3.x server)

### Note

The Oracle Application Server must utilize this level of JDK or higher before beginning the deployment process. ■

# Miscellaneous Enhancements

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This section discusses the miscellaneous enhancements for the Web Tailor 8.4 release.

## International Support for Cascade

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Cascade now supports multiple DAD with multiple languages.

Cascade handles the international changes by getting the NLS settings from DAD configuration in pl/sql and handling the services and UI to render the values appropriately.

There should be multiple DADs created each serving a language for Cascade to work with multiple languages.

Data sources need to be set up with the same name as that of the DAD name which serves the respective DAD.

The NLS settings are picked up from DAD settings and set to the jdbc connections dynamically.

Thus ensuring the dynamic data fetched from DB using jdbc connection(s) is in the same language as those fetched from pl/sql directly.

Refer to *Banner General Middle Tier Guide* for information on creating DADs and data sources.

The translated static text (for example, Sign Out / Help text on top right buttons) is picked up from the `common-platform.xml` file stored in the folder with the respective language name. This folder should be named like `fr_CA`, `en_US` etc, as per the nls settings. (Prior to this fix these folders are named like `en`, `fr` etc). However, if there is no folder by name `en_US` for eg, then the fallback mechanism comes into force, i.e, the translated text from the `en` folder will be picked up.

# Cascade Performance Improvement

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The main objective of this performance is to:

- compare the response time between Web Tailor 8.3 and Web Tailor 8.3.0.4
- compare the response time difference between non-Cascade and the Cascade versions.
- figure out the bottlenecks with respect to performance
- tune Cascade for better performance

As part of this process, the following scenarios were identified:

- Student Registration
- Faculty Grade
- Cascade - Search
- Cascade - Landing Pages

The tuning tasks included the following:

- Minimizing Java scripts to achieve fast rendering at the client side.
- Avoiding unnecessary calls to the Rest web services(udcxml).
- Providing cache at all the levels (Aurora-ws and Banner-ssb-ws).
- Provided indexes in the database.

# Cascade Installation Improvement

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Cascade 8.3.x required ear files to be modified to make changes to application properties to setup the java services. From Cascade 8.4 onwards, ear files (both aurora-ws.ear and banner-ssb-ws.ear) do not need any modifications.

The properties that were needed to be modified to setup java services now has to be done via JDBC Resource setup as documented in *Banner General Middle Tier Guide*.

The following properties will need setup (steps to setup these values are documented in *Banner General Middle Tier Guide*):

- *SYSTEM\_NAME*
- *SSL\_PASSWORD*
- *SSL\_TYPE*
- *SSL\_STORE*

Details of each parameter are defined in *Web Tailor User Guide*.



# RPEs

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The following RPEs are delivered with the 8.4 release.

## Role Based Timeouts (RPEs 1-2EB81Z and 1-2Z2QTH)

```
Infotext (twbkwrul.P_SaveWebRulesERROR_ROLE_TIMEOUT,1) twbkwrul.sql,  
twbkwrul.sql, twtvrole_080400_01.sql, twtvrole_080400_02.sql,  
twbkslil.sql, twbkwbil.sql
```

Banner Web Tailor has been enhanced to allow different time out values for different users of Self-Service.

Previously, the timeout set on the Self-Service system was determined by a global setting on the Web Tailor Customize Web Rules page in the **Web Timeout in minutes**. Users who were increasingly using the Self-Service system for things such as Electronic PAFs found this global timeout very difficult.

The Web Rules page within Web Tailor now enables the setting of timeout values by role. This will enable users that have certain roles to have a longer timeout period than the one system value that has been used in the past. The user timeout value will now be the greater of the system value or any of the roles that are associated with the individual user. If the system timeout is 30 minutes and a student role has an override of 15 minutes and employee override of 45 minutes, a *student only* role person will have a timeout of 30 minutes, and an employee who is also a student will have 45 minutes.

## Increase Return Location Size (RPEs1-13B8C1 and 1-AUFPNK)

```
twbkwbil.sql, twbkret1.sql, Info text for twbkretc.P_ModifyPgReturnLoc  
ERROR_INV_CHARS sequence 1, twgbretc_080400_01.sql,  
twgrretc_080400_01.sql
```

Banner Web Tailor has been enhanced to increase the size of the return code from 1 to 30 characters.

Previously, the Return Location Code was limited to one character, which effectively limited the number of unique codes to approximately 62. If the code field was larger, more descriptive codes could be used.

The return code has been expanded from 1 to 30 characters enabling additional return points as well as making them more descriptive.

The return code has been added to the drop-down list to make it easier to find. It is sorted by return code (case insensitive) instead of by description. The size of the display has been increased for both the return code and the description.

 **Note**

For ease and consistency of use in a URL parameter, the only valid characters for the return code are A-Z, az, 0-9, and the special characters \$-\_.!\*'(), . These values will be edited upon creation or modification so that existing values will still work. However, if you are using any additional characters, they should be converted when possible. ■

## Help Page Size (RPE 1-3HDMKV)

```
twbkwb11.sql twgbparmi_080400_01.sql
```

RPE 1-3HDMKV requested the ability to specify the default width and height for the help window.

When a user clicked the HELP link in Banner Self-Service, it opened a help window that was sized 450x500. The main Self-Service graphic is 576 pixels wide and the 450x500 help window was too small to display the graphic without the scroll bars being added. Also, the hard coded 450x500 values were very small by today's standards.

Since these dimensions were hard coded in the TWBKWBIS package, it was not possible to change them without modifying the package code.

Two new parameters, *HELP\_WIDTH* and *HELP\_HEIGHT*, have been added to the Web Tailor Administration Customize a Web Tailor Parameter tab. This allows the user to override the default sizes of 450 for width and 500 for height.

## SSB Footer Text (RPE 1-44EU80)

```
twbkwb11.sql
```

Banner Web Tailor has been enhanced by adding a footer label so that information text can be added at the bottom of a page.

Previously, the user could enter information text only at the top of the page. There were occasions when additional information was required on a page, but adding this information at the top of the page cluttered it.

 **Note**

This is not supported by Cascade UI. ■

1. Users can now create info text for any pages desired using *FOOTER\_BEFORE\_LINK* or *FOOTER\_AFTER\_LINK* (the link that is the separator is the list of hyperlinks typically listed at the bottom of a web page)
2. Users can now add an info text for *GLOBAL\_FOOTER* or *GLOBAL\_FOOTER\_xxx* associated with the `twbkswbis.P_WWWLogin` procedure that would then be displayed on all pages. Here xxx refers to the package name that starts with xxx. For example, *GLOBAL\_FOOTER\_BWP* would be displayed on all the payroll pages (since those packages all begin with BWP, BWS would be for student), and then *GLOBAL\_FOOTER* which would be displayed on all pages.
3. The *FOOTER\_BEFORE\_LINK* and *FOOTER\_AFTER\_LINK* would be info text created on the specific page where the *GLOBAL\_FOOTER\_xxx* and *GLOBAL\_FOOTER* would be created on the `twbkwbis.P_WWWLogin` page.

 **Note**

Due to the nature and flexibility of this infotext, you cannot use the image on the Customize Info Text. Instead of this, you will have to include the image in the infotext. ■

## Race/Ethnicity Survey Pop-up in Luminis SSO to Enter SSB (RPE 1-6XH2M1)

SSO connection from Luminis (`twbkwb11`)

This RPE requested that the race/ethnicity survey should pop up while accessing Banner Self-Service from Luminis SSO.

The race/ethnicity survey pops up when the user logs into SSB directly. The users are required to take up this survey before proceeding to other pages. However, this survey did not pop up when the users accessed SSB from Luminis SSO.

The `twbkwb11` has been modified so that the race/ethnicity survey pops up when the users access Banner Self-Service from Luminis SSO.

## Add Print Style Sheet (CMS-RPE41980)

`twgbwmnu_08040_01.sql, twgbwmnu_08040_02.sql, twbkwmnu.sql, twbkwmn1.sql, twbkmen1.sql, twbkwin1.sql, cmprwmnu.sql, twbkwb11.sql`

This RPE requested that individual web pages have the ability to override the default print style sheet, just as they can override the default display style sheet and the help style sheet.

Web Tailor allowed each individual web page to have its own style sheet for the display of the page. This was configurable under the Customize a Web Menu or Procedure option in Web Tailor. However, all the pages on the entire Web Tailor system shared a single style

sheet for printing. As a result, when the user printed out the summary class list page, the print on the page appeared too small to read.

A new column, *TWGBWMNU\_PRINT\_CSS*, has been added to the `twgbwmnu` table on the Web Menu and Procedures Maintenance page to override the print css defined at the system level. The Compare Report process and the `twbkwmnu.P_ModifyPgWebMain/twbkwmnu.P_SaveWebMain` procedures have been modified to support this new field as well. Each page now indicates a specific override when defining the print cascading style sheet.

 **Note**

In order to use the Compare Reports, you will have to manually add the print column (*TWGBWMNU\_PRINT\_CSS*) to the prior versions of the tables that are used in the compare process. ■

## Infotext for Expired PINs (CMS-RPE48406)

`twbklog1.sql`, info text for `twbkwbis.P_ValLogin - EXPIRED EXPIRE1 EXPIREDDAYS`

CMS-RPE48406 requested the ability to utilize information text for messages that are displayed when a user gets a PIN expired message instead of the current hard coded messages.

The hard coded messages for the following messages can now be overridden with info text on `twbkwbis.P_ValLogin`. If no info text is found, then the existing messages will still be displayed.

\* EXPIRED Your PIN has expired. Please change it now.

\* EXPIRE1 Your PIN will expire in 1 day. You may change it now, otherwise enter your PIN in the **Re-enter Old PIN** field and click the **Login** button.

\* EXPIREDDAYS Your PIN will expire in <\*\*\*VALUE1\*\*> days. You may change it now, otherwise enter your PIN in the **Re-enter Old PIN** field and click the **Login** button.

 **Note**

You must use <\*\*\*VALUE1\*\*> in the location of the message where you want the number of days to appear. ■

## Display Enabled Indicator (CMS-RPE49059 and CMS-RPE36957)

TWBKMENU.P\_REORDERPGMENUITEM

The user was not able to view the items that were enabled in the local versus baseline view of Web Tailor.

A new column, **Enabled**, has been added to the Re-order or Customize Menu Items page. The enabled or not enabled status of an item is indicated by a *Y* or *N* in the **Enabled** column. This page now displays the indicator for the menu items.



# Problem Resolutions

At the time this guide was completed, the following problem resolutions were targeted for delivery with this release.

## Note

For comprehensive and detailed problem, impact, and resolution information for all defects corrected in this release, refer to the supplemental problem resolutions file (`wtlweb80400resolutions.txt`) delivered along with your release guide. The information in this text file is extracted directly from the Customer Support Center just prior to release of the product and may include additional defects that were resolved after this document was finalized. ■

Object	Defect #	Summary
app-overrides.css	1-8ZT7GM	Finance - 'Save Query As Button' too far from entry field.
app-overrides.css cascade.css	1-ALI2JL	When three info lines to be displayed in upper right corner of page, third line gets cut off.
banner-ssb-ws.ear	1-AU2MY1	Performance delays using SSB Cascade UI browse button.
banner-ssb-ws.ear	1-AUE746	The search option does not return links that include parameters.
banner-ssb-ws.ear	1-AV8KTZ	Menus may not load when using Cascade UI.
banner-ssb-ws.ear	1-B11RQI	Find a Page search returns pages that are disabled in Web Tailor.
banner-ssb-ws.ear twbksrc1.sql	1-B83E5Q	Find a Page search returns data using baseline records when local records exist.
twbkwbi1.sql cascade-print.css	1-AYE32Y	Pop up window on form validation does not display with Cascade and IE.
cascade.control.js	1-B1LD5B	Cascade UI displays different layout for login page depending on case of procedure.

Object	Defect #	Summary
cascade.controls.js	1-98FK84	Newly added preference is not displayed on page.
cascade.controls.js	1-AUGHH3	Ret_code parameter is ignored by twbkwbis.P_WWWLogin in Cascade UI.
cascade.controls.js	1-B37BXL	Submit buttons may not work when using IE8 or Safari with Cascade UI.
cascade.controls.js	1-B3F002	Several web pages display the header image twice in the Cascade UI.
cascade.controls.js	1-B52MYC	JavaScript in a menu link using the Menu Items option in Web Tailor doesn't work with the Cascade UI.
cascade.controls.js	1-C0XF8R	External URL to an HTML file fails in Cascade UI
cascade.controls.js	1-CY0JZQ	Javascript error with 8.3.0.4 patch on homepage, login and logout pages in IE6.
cascade.controls.js serviceProperties.js	1-BCCZRJ	Javascript events waiting for a return value are not working.
cascade.controls.js banner-ssb-ws.ear	1-AWWLI0	The release number is inconsistent and is based upon previous navigation.
cascade.controls.js banner-ssb-ws.ear	1-D8H7BF	Info text does not display on menu pages in Cascade UI.
cascade.controls.js cascade.parser.js	1-CVCH41	Error thrown by TWBKLIST due to calling twbkwbis.p_wwwlogin in all lower case.
cascade.controls.js cascade.parser.js common-navigation.js common-platform.js	1-AUAIV8	Forbidden errors using new Web Tailor Cascade UI introduced in 8.3 with Internet Explorer browser.
cascade.controls.js cascade.css	1-AUMH2I	Error message doesn't display in Cascade, when CAPP pipes are down.
cascade.css	1-8UJJHN	Need to allow all 5 menu items to show in 1024*768 resolution.
cascade.css	1-B4RCEB	Word wrapping in menu button collides with arrow graphic.

Object	Defect #	Summary
cascade.css ie6.css	1-AVVWPH	Too small login frame for translated labels.
cascade.css app-overrides.css common-platform.css cascade.controls.js cascade.parser.js	1-8CSBTT	The IE 'Text Size' is ignored.
cascade.css cascade.controls.js	1-98A2YB	Firefox Zoom can make the output unreadable.
cascade.css cascade.controls.js cascade.parser.js	1-9A6CE1	Menu buttons overlap welcome message text.
cascade.css appoverrides.css commoncontrols.css common-platform.css ie7.css ie7-rtl.css cascade.co	1-8K2MSL	Cascade not displayn Right to Left in Arabic.
cascade.parser.js cascade.controls.js twbkwbi1.sql	1-DMZM2J	Please allow the ability to specify the default width & height for the help window.
cascade.utils.js cascade.controls.js	1-AVJ7RI	Cascade UI - menu items do not display correctly when the Link Text/Description has HTML tags.
cascade.utils.js cascade.controls.js	1-B8E768	Cascade- Refresh of page when resizing browser window may clear entered data.
common-controls.css common-platform.css	1-ANEXVI	Apache server error_log indicates 2 missing .png files - help_window_tab.png - browse_menu_icon_full.
common-controls.js	1-B2VQFN	The Browse menu displays the top level repeatedly. Unable to see menu items.
Seed Data cmprinfo.sql cmprmnu.sql cmprwmnu.sql	1-3DHNSR	Users that do not have a Web Tailor role should not have access to the Web Tailor data compare links.

Object	Defect #	Summary
serviceProperties.js	1-CYRU3H	Cascade 8.3.0.4 Submit buttons may not work when using IE8 or Safari with Cascade.
twbkaus1.sql twbklda1.sql twbklog1.sql twbkwbi1.sql twbkxna1.sql	1-7WBWMR	Potential security risk by displaying Oracle error back to users.
twbkaut1.sql	1-5ZTKKU	SSO to SSB using the sct connector fails with PIN encryption enabled - twbkauth.F_CPAuthenticate.
twbkauth.sql twbkaut1.sql twbkwbi1.sql	1-ASBS66	Security Issue in Banner Self Service with a CAS Identity Management Front End.
twbkfrm1.sql	1-BQ6X7F	Too much data setup for "web_required" image causes Oracle error.
twbkfrm1.sql	1-BZA6UI	Potential cross site scripting vulnerability.
twbkfrm1.sql twbkwbi1.sql	1-9N4FIO	Potential cross site scripting vulnerability.
twbkfrm1.sql twbkwbi1.sql	1-DHDJLZ	Function twbkfrmt.f_printtext does not validate that the class_in parameter includes double quotes.
twbkjsc1.sql	1-6OWM59	I18N- Missing G\$_NLS constructs for the internationalization of messages.
twbklda1.sql infotext for twbkldap.P_ SaveLDAP' 'NOPASSWORDON FILE' and 'PASSWORDONFILE'	1-5C8A47	SSL Wallet Password on LDAP Administration Page getting mucked.
twbklog1.sql	1-3KV49F	Banner Self Service (SSB) ORA-31223: DBMS_LDAP: cannot open more than 63 LDAP server connections.

Object	Defect #	Summary
twbklog1.sql	1-5DIRHE	Trailing colon character in the Luminis password or pdsExternalSystem ID attribute breaks SSB SSO.
twbklog1.sql	1-B1M5HL	Erroneous message when attempting log in with expired PIN.
twbklog1.sql	1-CU3E8B	Patch b_0610_tw8030004 and using LDAP causes error "Error occurred during logon".
twbkmen1.sql	1-6OWM5D	I18N- Missing G\$_NLS constructs for the internationalization of messages.
twbksli1.sql	1-ADQVTV	Users with BSAC (Canadian Student Aid) role receive incorrect error message when trying to login to Self-Service Banner.
twbkuro1.sql	1-30ZOQB	Web Menu or Procedure returns error when changing many associated roles.
twbkval1.sql	1-6OWM5B	I18N- Missing G\$.
twbkwbi1.sql	1-3A9OPF	There is an issue with VBS and self service - after exiting and trying to re-enter self-service.
twbkwbi1.sql	1-5RYVP9	Incorrect error message when user has no security question defined in GOBANSR.
twbkwbi1.sql	1-8CLRKQ	PIN input does not limit length.
twbkwbi1.sql	1-B0Z5K4	SSB twbkwbis.P_SecurityQuestion will prompt with pre-defined question and answer text when GOAQSTN contains no display records.
twbkwbi1.sql	1-B3F018	With Cascade UI, Carriage return in Welcome message causes missing header and old UI.
twbkwbi1.sql	1-B4Q0K9	Add flexreg changes into baseline.
twbkwbi1.sql	1-BF4FLI	Package TWBKWBIS does not compile in VPD environment.

Object	Defect #	Summary
twbkwbi1.sql	1-CBA76D	Calling twbkwbis.P_OpenDoc with refresh_url generates invalid HTML.
twbkwbi1.sql	1-DC06G9	CAS SSO returns corrupt SSB login page and complete failure via INB.
twbkwbi1.sql	1-DXGKVN	Intermittent break-in attempt detected in SSB when using Banner CAS Client.
twbkwbi1.sql cascade-print.css	1-AZMXGZ	Printing from Self Service using the Cascade UI is incorrect.
twbkwbi1.sql cascade-print.css	1-B1M5CZ	Cannot print full SSB transcript using web browser in Cascade format.
twbkwbi1.sql twbklog1.sql	1-3NZD13	Exception Errors are missing body open tag ().
twbkwbi1.sql twbkwbis.sql	1-7X3KHV	Survey displays after changing security question from personal info menu.
twbkwbi1.sql twgbparmi_080301_02.sql	1-5CB0QX	The procedure(twbkwbis.p_idm_logout)in Web Tailor is missing.
twbkwbi1.sql banner-ssb-ws.ear	1-98FK7R	Value appears in breadcrumb Navigation is not correct.
twbkwbi1.sql banner-ssb-ws.ear	1-ATHGSM	Links that have parameters included are displayed to users who do not have access -cascade.
twbkwbi1.sql banner-ssb-ws.ear	1-AVQWHQ	The initial main menu displays the old UI instead of the new Cascade UI.
twbkwbis.sql twbkwbi1.sql	1-B1M5HH	Out Parameter causing issue with several Banner self service pages with the oracle 11G application.
twbkwbis.sql twbkwbi1.sql, Banner Flexible Registration Ear (8.4.1)	1-BMV7VH	Self Service Banner asks for login credentials with more than one session open at a time.
twgbimagu_080400.sql	1-DCGCFV	web_left_arrow.gif alt text is "Right Arrow"

Object	Defect #	Summary
udcxml-service.js banner_ssb_ws.ear	1-AVJ7PM	Cascade UI- Browse button does not display if menu items contain HTML tags in Link Text.
udcxmlservice.js banner-ssb-ws.ear cascade.utils.js	1-AI8X3T	Fix IE performance issues with a large number.
Web Tailor infotext	1-BU6O7Q	Spelling error in twbkparm.P_ModifyPgParam information text.
Web Tailor infotext	1-BU6OB9	Spelling error in twbkldap.P_ModifyPgLDAP information text.



# Appendix A - Steps to Migrate Web Tailor Cascade from 8.3.x to 8.4

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These steps assume you have Cascade running with Web Tailor 8.3 or above, and you now want to implement it with the Web Tailor 8.4 changes.

This only outlines those steps needed to update the files that changed in Web Tailor 8.4.

1. Move the 8.4 files as follows.
  - 1.1. In the SSB Web server's document tree, copy all the .htm files in the \$BANNER\_HOME/wtlweb/htm directory to the /wtlhelp directory.
  - 1.2. In the SSB Web server's document tree, copy all the files in the \$BANNER\_HOME/wtlweb/htm/images directory to the /wtlhelp/images directory.
  - 1.3. In the SSB Web server's document tree, copy all the files in the \$BANNER\_HOME/wtlweb/gif directory to the /wtlgifs directory.
  - 1.4. In the SSB Web server's document tree, copy all the .css files in the \$BANNER\_HOME/wtlweb/htm directory to the /css directory.
  - 1.5. In the SSB Web server's document tree, copy the contents (including all subdirectories) of \$BANNER\_HOME/wtlweb/js folder into the /js directory.
  - 1.6. In the /css directory on the SSB Web server's document tree, copy the images from \$BANNER\_HOME/wtlweb/htm/images to the /css/images directory.
  - 1.7. In the SSB Web server's document tree, copy the \$BANNER\_HOME/wtlweb/htm/jquery/jquery.autocomplete.css file into the /css/jquery directory.

2. Under the SSB Web server's document tree as follows.

2.1. Edit `js/serviceProperties.js`.

2.2. Change 3 locations (these reference the OAS 10.1.3.x server location for EARs deployed below).

```
url: 'http://<yourservername:port>',  
    url: 'http://<yourservername:port>',  
    domain: 'yourdomain.com'
```

 **Note**

These three edits should not contain the "<" or ">" when updated. ■

 **Note**

This URL location is the new OAS 10.1.3 OC4J Cascade deployment server and port. ■

3. Copy the following changed `BANNER_HOME/wtlweb/java/` files to a local directory on your PC. For example, `C:\TEMP\EAR_WARfiles`:

- `aurora-ws.ear`
- `aurora-ws_plan.dat`
- `banner-ssb-ws.ear`
- `banner-ssb-ws_plan.dat`

 **Note**

Manual edits to the `aurora-ws.ear` and `banner-ssb-ws.ear` are no longer required in 8.4. ■

4. Redeploy EAR files on OAS 10.1.3.x as follows.

4.1. Login to OAS 10.1.3.x - `http://<yourservername:port>/em` as follows.

4.1.1. Click the OC4J Instance.

4.1.2. Click the Applications tab.

4.1.3. Redeploy `aurora-ws.ear`.

4.1.4. Check the box next to `aurora-ws`.

4.1.5. Click **Redeploy** to select the archive file and the deployment plan.

4.1.6. Click **Browse** and select the archive location for the `aurora.ear` file.

`C:\TEMP\EAR_WARfiles\aurora-ws.ear.`



**5.6.** Click **Continue**.

Name = cascade

Connection Factory Class =oracle.jdbc.driver.OracleDriver

 **Note**

For more information on Connection Factory Class values, refer to *Banner General Middle Tier Guide*. ■

JDBC URL = jdbc:oracle:thin:@//<yourservername:port/SID > (Change values to match your server, port, SID).

 **Note**

This URL is the Database Server. ■

Enter Credentials.

Username = Cascadeu

Use Cleartext Password (Selected)

Password = u\_pick\_it

**5.7.** Click **Finish**.

**5.8.** Under Data Sources, click **Create**.

Application = default

Managed Data Source (selected)

**5.9.** Click **Continue** and enter the following values.

Name = cascade

JNDI Location = DAD\_name (This must be the SSB DAD name).

Transaction Level = Global & Local Transactions

Connection Pool = cascade

The Credentials section can be left blank as it defaults

**5.10.** Click **Finish**.

**5.11.** Under Data Sources for cascade, click the **Test Connection**.icon.

**5.12.** Click the **Test option** to confirm the connection works.

It should state Confirmation - Connection to “cascade” established successfully.

6. Restart the cascade OC4J Instance from the Cluster Topology page as follows.
  - 6.1. Expand OAS\_10\_1\_3.<yourservername>.
  - 6.2. Check the box for Cascade.
  - 6.3. Click **Restart**.
  - 6.4. Click **Yes**. (This might take some time).
7. Login to SSB using Cascade and confirm the Browse button and Menu button work correctly. -http://<yourservername:port>/DAD\_name/.



**Note**

This is your SSB server name and port. ■



The logo consists of a horizontal bar divided into two main sections: a black section on the left and a blue section on the right. Below this bar is a decorative horizontal line composed of many small, vertical bars in various colors including brown, orange, blue, green, and purple. The text "SUNGARD" is written in white, bold, uppercase letters on the black background, and "HIGHER EDUCATION" is written in white, uppercase letters on the blue background.

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