

Banner Web Tailor Release Guide

*Release 8.1
September 2008*



SUNGARD HIGHER EDUCATION

What can we help you achieve?

SunGard Higher Education

4 Country View Road
Malvern, Pennsylvania 19355
United States of America
(800) 522 - 4827

Customer Support Center Website

<http://connect.sungardhe.com>

Documentation Feedback

<http://education.sungardhe.com/survey/documentation.html>

Distribution Services E-mail Address

distserv@sungardhe.com

Other Services

In preparing and providing this publication, SunGard Higher Education is not rendering legal, accounting, or other similar professional services. SunGard Higher Education makes no claims that an institution's use of this publication or the software for which it is provided will insure compliance with applicable federal or state laws, rules, or regulations. Each organization should seek legal, accounting and other similar professional services from competent providers of the organization's own choosing.

Trademark

Without limitation, SunGard, the SunGard logo, Banner, Campus Pipeline, Luminis, PowerCAMPUS, Matrix, and Plus are trademarks or registered trademarks of SunGard Data Systems Inc. or its subsidiaries in the U.S. and other countries. Third-party names and marks referenced herein are trademarks or registered trademarks of their respective owners.

Revision History Log**Publication Date Summary**

September 2008	New version that supports 8.1 software.
----------------	-----------------------------------------

Notice of Rights

Copyright © SunGard Higher Education 2008. This document is proprietary and confidential information of SunGard Higher Education Inc. and is not to be copied, reproduced, lent, displayed or distributed, nor used for any purpose other than that for which it is specifically provided without the express written permission of SunGard Higher Education Inc.



Think before you print.

Contents



	Introduction5
Section 1	Self-Service Security Enhancement	
	Overview7
	Changed Packages7
	TWBKFRMT7
	Other Packages.8
Section 2	New Login Options	
	Log in with Social Security Number9
	Ignore Case of Login ID.10
Section 3	Problem Resolutions	
	Rekey Corrections.11
	Summary of Problem Resolutions11



Introduction

This guide documents Release 8.1 of the Banner Web Tailor System. Release 8.1 includes enhancements, RPEs, and problem resolutions.

This document describes the following enhancements.

Self-Service Security Enhancement

Changes address a potential vulnerability in Banner Self-Service products.

New Login Options

Two new Web Tailor parameters provide new Self-Service login options for an institution



1 Self-Service Security Enhancement



Overview

In this release, changes were made to improve the security of Banner's Self-Service products. This update addresses a potential security vulnerability that could arise if scripting codes are deliberately inserted into data displayed in Self-Service.

Banner's Self-Service processing has been modified to check for malicious scripting codes before they can be passed through to the user's browser and potentially executed. In addition, if scripting codes are detected, a security log entry is recorded so that security administrators can follow up if necessary.

These security changes affect many Self-Service objects and pages, but they have no functional impact and no direct effect on end users.

For more information:

- More information on this security vulnerability can be found in [FAQ 1-2P7TER](#).
- Advice on web server configuration settings for improved security can be found in [FAQ 1-2PE6V7](#).

Changed Packages

TWBKFRMT

This package, which performs general HTML formatting functions, has the following changes:

- The new `f_Escape` function converts suspicious strings to ordinary text before passing them to the browser to be displayed.
- The new `p_Prn` procedure, which takes the place of `htf.prn`, calls `f_Escape` when necessary.

- The new p_FormHidden function, which takes the place of htf.formhidden, calls f_Escape when necessary.
- The new p_FormHidden procedure, which takes the place of http.formhidden, calls f_Escape when necessary.
- The f_PrintText function has a new parameter, bypass_esc, to bypass calling f_Escape for certain situations where Web Tailor's own JavaScript must be passed to the browser.

 **Note**

The change in f_PrintText's signature required a recompilation of all Self-Service objects. ■

- The p_PrintText procedure was changed to call f_Escape
- The f_PrintText, f_TableData, f_formtext, and f_printanchor functions were changed to call f_Escape

Other Packages

Other packages in Web Tailor and in other Banner Self-Service products were changed where necessary so that the new TWBKFRMT functions and procedures are called correctly across Self-Service.

The following Web Tailor packages were changed:

- | | |
|----------------|----------------|
| • twbkfrmt.sql | • twbkret1.sql |
| • twbkglu1.sql | • twbksit1.sql |
| • twbkima1.sql | • twbkuro1.sql |
| • twbklda1.sql | • twbkwbi1.sql |
| • twbkmen1.sql | • twbkwin1.sql |
| • twbkmod1.sql | • twbkwmn1.sql |
| • twbkovr1.sql | • twbkwru1.sql |
| • twbkpar1.sql | |

2 New Login Options



Two new Web Tailor parameters have been added to enable new institution-wide options for Self-Service logins. This change was made in response to RPE 1-1AXVKL.

To deliver these changes:

- Script `twgbparmi_080100.sql` inserts the two new parameters into the TWGBPARM table. Both parameters are delivered with a value of *N*, which means both features are delivered disabled.
- In the TWBKSLI1 library package, the `f_fetchpidm` function was changed to implement these two new options.

Log in with Social Security Number

You can set the `ALLOWSSNLOGIN` parameter to *Y* to allow users to enter a Social Security Number (SSN) in place of their ID when logging in.

If the value entered for ID is not found in `SPRIDEN_ID`, the system will check `SPBPERS_SSN` for a unique matching value.

There are some situations where SSN login cannot be used.

- If the SSN value is not unique (if it matches more than one person record), a login using SSN will fail. This means that users who have been assigned a generic SSN value (for example, `999999999`) because their actual SSN is unknown will not be able to use SSN login even if the feature is enabled.
- This feature should not be used at institutions where the values in the SSN field are longer than 9 characters. The `ALLOWSSNLOGIN` option does not increase the size of the login ID field, which remains limited to 9 characters, while the SSN field has been expanded to allow values with up to 15 characters (depending on the institution's SSN preference). Since a user can enter only 9 characters in the login ID field, a comparison with a 10-digit or longer SSN value will fail.

Ignore Case of Login ID

You can set the `IGNORELOGINCASE` parameter to *Y* to indicate that lowercase and uppercase letters in User IDs should be treated as equivalent during login. For example, if a user's ID is *ABC12345*, and the user types *abc12345*, the user will get a login error if this parameter is set to *N*, but will log in successfully if this parameter is set to *Y*.

Note

Although a U.S. Social Security Number typically does not include alphabetic characters, the `IGNORELOGINCASE` parameter applies to any alphabetic characters in the SSN field when the SSN is used in place of the user ID for login. In other words, if both `ALLOWSSNLOGIN` and `IGNORELOGINCASE` are enabled, the case of any SSN entered during login will be ignored. ■

Warning

With `IGNORELOGINCASE` enabled, if there happen to be two users (two PIDs) whose IDs are identical except for case differences, neither user will be able to log in. For example, if User 1 has an ID of *ABC12345* and User 2 has an ID of *abc12345*, then both users will find that they cannot log in. The system will not be able to determine which user is trying to log in and will be unable to process the login. ■

3 Problem Resolutions



This section lists the problem resolutions included in Release 8.1. For details about a problem resolution, refer to the `wlweb80100resolutions.txt` file that accompanies this release.

Rekey Corrections

Several of the problem resolutions in this release involve technical changes to support the process of translating the Banner system into multiple languages. Banner supports several different language environments, and `G$_NLS` routines are used to translate messages for non-English implementations. A process referred to as *rekey* is used during the translation process. As part of this release objects have been modified where necessary to correct errors in the translation process. These changes have no impact on English-language implementations of Banner.

Summary of Problem Resolutions

Object	Defect #	Summary
twbklog1.sql	1-3L99HX	Login error after user accepts the Terms of Usage
twbkwbi1.sql	1-3FA6HJ	Rekey: Remove <code>g\$_NLS.get</code> for several objects
twbkwbi1.sql	1-3MMJKZ	Rekey-Version 8.0 of file has invalid message
twbkxna1.sql	1-3TCZCZ	Rekey: Missing <code>g\$_nls.get</code> in several objects
twgkwli1.sql	1-3GWYY6	Unable to log into Voice Response with a GOATPAD PIN
twgrwmrli_080001.sql	1-3MAKE4	Financial Aid users no longer have access to the Personal Information menu.
web_defaulthome.css	1-2QN8QN	HELP/EXIT Items appear on Login and Logout pages after Web Tailor 7.4.0.1 install

