

Banner Web General Release Guide

Release 8.0
April 2008



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Revision History Log**Publication Date Summary**

April 2008	New version that supports Web General 8.0 software.
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Introduction

This guide documents Release 8.0 of Banner Web General. Release 8.0 includes enhancements and problem resolutions.

This document describes the following enhancements.

PIN Maintenance

Changes were made in the area of user PINs and security questions.

Internationalization

Some Web General packages were updated as part of Banner internationalization.

Documentation Change for Problem Resolutions

Problem resolutions are summarized by module at the end of this release guide. The detailed description, impact, and resolution information for each problem resolution is delivered in a separate .txt file. The file for this release is named `genweb80000resolutions.txt`. As a result of this change, information about problem resolutions is more consistent between release guides and the Customer Support Center.

Cumulative Documentation

This document provides detailed information about the Banner Web General 8.0 release only. Banner Web General 8.0 is a cumulative release that also includes enhancements, RPEs, and problem resolutions delivered in the Web General 7.1, 7.2, and 7.3 releases. For complete documentation about these interim releases, please refer to the interim release guides identified in the table that follows.

Release Number	Contents	Release Date
7.1	Address Source Code	May 2005
7.2	Problem Resolutions	October 2005
7.3	Internationalization, External Links	May 2006





Overview

Banner General Release 8.0 includes an enhancement for Self-Service PIN (password) security. The following functionality is included in this enhancement.

- PINs can now be stored in encrypted form.

A cryptographic hash transforms the PIN before it is stored, so that the unencrypted password can never be retrieved from the database. For additional security, the PIN is “salted” before it is encrypted; that is, a randomly generated string is added to the PIN before encryption. When a user enters a PIN to gain access to the system, the user’s entered PIN is transformed using the same cryptographic PIN. The database checks for a match before the user can proceed.

- Institutions can now set and enforce standards for strong passwords.

Strong passwords are passwords which are long, complex, and nearly impossible to guess. Your institution can enforce strong password standards based on: the minimum and maximum permissible length of user PINs, the requirement that PINs include letters, digits, or both letters and digits, and the restriction of PIN reuse (number of days before a previous PIN can be reused).

- A new, more secure PIN reset mechanism has been established.

When a user forgets a password, the PIN reset can be requested by answering a series of security questions with answers that the user has previously provided. You can also decide whether users are allowed to generate their own security questions, or whether they must use standard questions established by the institution. The user’s answers are stored in encrypted form, just like the PIN.

A new PIN Questions Form (GOAQSTN) is included in this enhancement. The Enterprise PIN Preferences Form (GUAPPFR), the Third Party Access Form (GOATPAC), and the Third Party Access Audit Form (GOATPAD) have been modified for the PIN security updates.

Please refer to the *Banner General 8.0 Release Guide* for more information on this enhancement.

Some of the changes seen in Banner Web General are supported by changes in Banner Web Tailor packages. See the *Banner Web Tailor 8.0 Release Guide* for more information.

Changed Tasks

With the enhanced PIN Preferences form (GUAPPRF) in Banner General 8.0, administrators can impose new PIN requirements for Self-Service Banner users, as well as new requirements for security questions and answers.

If your institution's PIN requirements change, then you may be prompted to change your PIN on your next Self-Service login. For example, if your PIN is entirely numeric, and your institution establishes the requirement that PINs contain both letters and numbers, then you will be prompted to change your PIN.

If your institution's security question requirements change, and your existing set of security questions does not meet the new requirements, you will be prompted to create new security questions and answers on your next Self-Service login.

Resetting Your PIN

With this release, the process of resetting your PIN has changed slightly. If you forget your PIN, follow these steps to reset your PIN.

1. On the login page, enter your **User ID**.
2. Click **I Forgot My PIN**. A question and answer page displays, showing one or more of your previously saved security questions.
3. Type the answer to each of the questions, and click **OK**.

Note

Your answers must exactly match the answers that you previously saved, except that case (upper case or lower case) does not matter, and white space (such as spaces between words) is ignored. ■

A PIN Reset page displays.

4. Type your new PIN, and type it again in the Confirm PIN field.
5. Click **OK**.

Setting Up Security Questions and Answers

You must set up security questions and answers:

- on your very first Self-Service login
- on your first login after your institution's security question policies change.

You can also choose to change your security questions by clicking the **Change Security Questions** link in Web General.

In any case, the process is the same. Even if you set up security questions previously, you start with a blank slate each time.

1. Enter your PIN.
2. Select a pre-defined security question from the drop-down menu, or type your own question.

Depending on your institution's settings, you might not have the option to type your own question. In that case, just select one of the pre-defined security questions.

3. Type your answer to the question.
4. Repeat the process for the remaining security questions.

The number of questions is based on your institution's settings. You might have only one question to answer, or there might be several.

5. Click OK.





Overview

The Banner system is used by higher education institutions worldwide. As Banner is enhanced and modernized, one major initiative is to make the system more adaptable for use in different countries and with different languages. This ongoing effort is called internationalization (and often abbreviated I18N). Internationalization reduces the amount of custom modifications required to make Banner usable for clients in various countries.

For this release, several major changes were made to support internationalization.

Unicode Support

With this release, Banner supports the Unicode international character set through the character standard UTF8. As a part of the installation process for Release 8.0, Banner's Oracle database is converted to the UTF8 standard.

Additional IDs

A new table, the Additional Identification Table (GORADID), allows you to store any number of extra IDs for a person. Each Additional ID must be assigned an ID Type. You can set up Additional ID Types using the new validation form and table GTVADID.

A new **Additional ID** tab on the SPAIDEN form displays the new Additional ID information. See the *Banner Student 8.0 Release Guide* for more information.

Enhanced Fields

For this release, many fields have been expanded on Banner tables and forms. These fields can now accommodate longer data values that might be needed. The types of fields that have been expanded include the following:

- Name
- Address
- Telephone number
- E-mail address

- ID
- Currency amount
- Currency rate

For complete information about I18N, including detailed information about changes to many Banner General objects, refer to the *Banner General 8.0 Release Guide*.

Changed Packages

bwgkccr1.sql

This package, which supports web credit card payment processing, was updated in connection with internationalization.

bwgkoad1.sql

This package, which displays address and telephone information, was updated to handle longer address and telephone fields.

bwgkoem1.sql

This package, which displays emergency contact information, was updated to handle longer name, address, and telephone fields.

bwgkopr1.sql

This package, which displays directory profile information, was updated to handle longer address and telephone fields.

bwgcxch1.sql

This package, which supports Luminis Channels for Banner, was updated in connection with internationalization.



Documentation Changes

With the release of Banner 8.0, there are significant changes to the documentation:

- The look and feel of the documentation has been modernized. This new design incorporates new fonts, increased character size, and color to make the manuals easier to read and to use.
- For some products, defects information in the release guide now includes an abbreviated description of each defect correction. For additional details, refer to the supplemental text file delivered along with your release guides. This text file includes detailed problem, impact, and resolution information for each defect extracted directly from the Customer Support Center.
- Each manual now includes a publication date that reflects the actual month and year of publication. Any document that is revised will include an updated publication date to make it easier to identify revised materials.
- A revision history log has been added to the copyright page of each manual to identify any revised versions and associated changes.
- A link to a feedback form has been added to the copyright page of each manual, in the bookmarks of all PDF files, and into online help so you can provide input about the documentation.



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Problem Resolutions



This section lists the problem resolutions included in Release 8.0. For details about a problem resolution, refer to the `genweb80000resolutions.txt` file that accompanies this release.

Summary of Problem Resolutions

Object	Number	Summary
bwgkoadr	1-1V20E4	Unable to see address data when phone record is Primary and Inactive.

