



Strata Information Group

Banner 8/ Luminis 4 Change Overview

September 24, 2009



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What information will be covered?

- Banner 8 changes which impact Luminis 4

What information will NOT be covered?

- Specific Banner 8 modules changes that do not impact Luminis 4 (eg. Faculty load & compensation maintenance through Banner H.R.)



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Banner 7->8 Important Information

- Technical support for Banner 7 goes away September 1, 2010
 - So schedule your Banner 8 testing and implementation project accordingly!
- Banner 8 requires a fresh Banner installation & an import of your Banner 7 data
 - Why? UTF8 character set requirement to support :
 - Internationalization
 - Postsecondary Electronic Standards Council (PESC) and US Postal Service standards for bio-demographic fields
 - Longer currency amount fields used in Banner General & Finance

For more information on the exact steps & software requirements for creating your Banner 8 instances, please contact Laura Stewart.



SGHE Documentation List

SGHE documentation is available for download via ActionWeb @

<http://connect.sungardhe.com>

- SGHE UDC documentation
 - Banner UDC Compatibility Matrix
 - UDC Release Interdependencies reference chart
- Banner 8 Documentation
 - Banner 8 Unified Product Release Feature FAQ.pdf
 - Banner 8 Unified Product Release Technical FAQ.pdf
 - Banner 8 EA Best Practices FINAL.pdf
 - Banner 8 Character Set Conversion - Summit 2008.ppt
 - Banner 8 Character Set Conversion - supplemental material - S0202SUPP.zip
 - Summit 2009 Banner 8 FAQ



SGHE Documentation List cont.

- More Banner documentation
 - Banner General Middle Tier Implementation Guide (8.0, 8.1)
 - Integration for eLearning (8.0)
 - Banner Integration for eLearning Installation Guide
 - Banner Integration for eLearning Administration Guide
 - Banner Integration for eLearning Message Reference Guide
 - Banner INTCOMP (8.0, 8.0.1)
 - INTCOMP 8.x/ Banner Luminis Data Integration (LDI) Defect Resolutions list
 - INTCOMP 8.x Release Guide
 - INTCOMP 8.x Upgrade Guide
 - Banner Enterprise Identity Services (8.0, 8.1)
 - Banner Enterprise Identity Services Release Guide
 - Banner Enterprise Identity Services Upgrade Guide
 - Banner Enterprise Identity Services Handbook



SGHE Documentation List cont.

- Luminis 4 documentation (4.1, 4.1.1, 4.2, 4.2.1)
 - Luminis 4.x upgrade guides (lp40100ug.pdf, lp40101ug.pdf, lp40200ug.pdf, lp40201ug.pdf)
 - Luminis Platform Hardware Estimates and Recommendations (lp40001reqs.pdf)
 - Luminis Platform System Administration Guide (lp40100ag.pdf, lp40201ag.pdf)

- Other Luminis 4 documentation
 - Luminis Platform on Red Hat Linux 4 Support and Installation Supplement (lp0309sup.pdf)
 - Luminis Platform VMware Virtualization Reference Implementation (lp1208vmim.pdf)
 - Luminis Platform 64-Bit Operating Systems Support and Installation Supplement Solaris Operating System--Portal Tier(s) Only (lp0509sup.pdf)



Specific Banner 8 Changes

- **Banner General**
 - **Enterprise PIN**
 - Minimum and maximum length values
 - Can now specify number and/or letter values for PIN value
 - Password re-use
 - New security question/ encrypted answer for user SSB PIN resets
 - GOBTPAC_PIN and GORPAUD_PIN are encrypted using a salted value prior to creating the SSHA hash (160-bit)
 - But you can specify that PIN history entries in GORPAUD are NOT encrypted
 - GOBTPAC_QUESTION and GOBTPAC_RESPONSE columns will be made obsolete in a future release



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Banner 8 GUAPPRF Form

New Items

The screenshot shows the Oracle Developer Forms Runtime window for the GUAPPRF form. The form is divided into several sections: PIN Preferences, PIN Notification Preferences, Question and Answer Preferences, and Third Party ID Preferences. Red circles and arrows highlight specific fields: 'PIN Reset Value' (set to Birthdate), 'Minimum Length' (set to 6), 'Maximum Length' (set to 20), 'Number Required Indicator' (set to No), 'Character Required Indicator' (set to No), 'Password Reuse (Number of Days)' (set to 10), 'Pre-Expire New PIN' (set to No), 'Number of Questions' (set to 2), 'Minimum Question Length' (set to 1), 'Minimum Answer Length' (set to 1), and 'Allow Editable Question' (set to No).

PIN Preferences

PIN Reset Format: Alphanumeric
PIN Reset Value: Birthdate
Minimum Length: 6
Maximum Length: 20

Number Required Indicator: No
Character Required Indicator: No
Password Reuse (Number of Days): 10
Pre-Expire New PIN: No

Question and Answer Preferences

Number of Questions: 2
Minimum Question Length: 1
Minimum Answer Length: 1
Allow Editable Question: No

PIN Notification Preferences

Letter Generation Application Name: GENERAL
When user changes PIN: Create Both E-mail and Letter
Hard-copy Letter Generation Code: PIN_RESET
E-mail Letter Generation Code: PIN_RESET_SS
When Administrator/Process changes PIN: Create Both E-mail and Letter
Hard-copy Letter Generation Code: PIN_RESET
E-mail Letter Generation Code: PIN_RESET_E

Third Party ID Preferences

Length of Last Name for Generate: 7
User ID: CBUANTE
Activity Date: 20-NOV-2007

Table PIN Creation Controls

Table Name	Create PIN?	Activity Date
FESEMP	<input type="checkbox"/>	03-OCT-2007
RORSTAT	<input checked="" type="checkbox"/>	15-NOV-2007
SGBSTDN	<input checked="" type="checkbox"/>	13-NOV-2007
SIDNST	<input checked="" type="checkbox"/>	04-OCT-2007



Banner 8 GOATPAD Form

New Section

The screenshot shows the Banner 8 GOATPAD form interface. At the top, there is a window title 'Third Party Access Audit: GOATPAD' and an ID field containing 'SSEPAT003' and 'JOHN ADAMS'. Below this is the 'Current Third Party' section with fields for PIN, Confirm New PIN, User ID, Third Party ID, LDAP User ID, Activity Source, Web Last Access Date, Sourced ID, Expiration Date, and Activity Date. The 'Verification Questions' tab is selected, and the table below is highlighted with a red oval and a red arrow pointing to it.

Institution Defined Question	Or	User Defined Question	Answer	Activity Date



Banner 9 GOATPAD Form cont.

New Section

The screenshot shows a web application window titled "Third Party Access Audit: GOATPAD". At the top, there is an "ID:" field with a dropdown menu showing "SSEPAR003" and a text input field containing "JOHN ADAMS". Below this is a section titled "Current Third Party" with several input fields: "PIN:", "Confirm New PIN:", "User ID:", "Third Party ID:", "LDAP User ID:", and "Activity Source:". There are also checkboxes for "Disabled" and "Accepted", and an "Expiration Date:" field. To the right of these fields are "Web Last Access Date:" and "Activity Date:" (set to "20 NOV 2007"). Below the "Current Third Party" section is a navigation bar with tabs: "Pin History", "Third Party History", "Verification Questions", and "Verify Answers". The "Verify Answers" tab is selected. Below the navigation bar is a table with four columns: "Question", "Verify Answer", "Verified", and "Activity Date". The table has five rows of input fields. A red oval highlights the "Verify Answers" section, and a red arrow points to the "Verify Answers" tab.



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Specific Banner 8 Changes cont.

- Banner INTCOMP
 - ICGORLDI and the LDIPERSON event API have been updated to support PIN encryption
 - Can now identify users who are missing the GOBRSRID_SOURCED_ID value when LDIENROLL or LDIASSIGN events are generated
 - Baseline FINAID role support (Defect #1-3KFK4Z)
 - Integration partner code validation form seed data for Desire 2 Learn and Angel LMS
 - GOBEACC entries will now receive the 'BANNERINB' role

SGHE INTCOMP Requirement errata : LMG 4.0 not 3.2 is required



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Specific Banner 8 Changes cont.

- **Banner Enterprise Identity Services**
 - Introduced with General 7.5.1. update
 - Centralized identity management solution
 - Can use either CAS or Oracle Access Manager (OAM)



Specific Banner 8 Changes cont.

- Banner 8.2/Oracle 11g
 - Case-sensitive Oracle password support
 - Client implementation option (not required)



Luminis 4 Support for Banner 8 Changes

- Luminis version compatibility
 - You must be at Luminis 4.1 or higher when you upgrade to Banner 8
- Banner Enterprise PIN -> Luminis LDAP password attribute (userPassword)
 - If you are using Banner SSB login credentials for Luminis, Luminis is sent the hashed encrypted SSB PIN & salt value to use for the user's userPassword LDAP field
 - This means that Banner Self Service and Luminis are now using the same encryption method to safeguard sensitive user data



Luminis 4 Support for Banner 8 Changes cont.

- Banner Enterprise Identity Services (BEIS)
 - Allows you use to BEIS for Luminis login authentication
 - New unique identifier UDCIdentifier
 - Included as a new xml data tag in LDIPERSON event & ICGORLDI xml file
 - System-generated 32 character string unique for each Banner PIDM

```
<userid useridtype = "UDCIdentifier">␣  
3C9CBAC305933872E0440003BA1015A4</userid>
```

- Middle Tier configuration
 - If you implement BEIS, this may affect how you decide to implement SSO for INB & SSB (BEIS vs. Middle Tier)
 - Banner 8.2/Oracle 11g password case sensitivity support means that case-sensitive Luminis LDAP passwords can now be supported for INB login password synchronization



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For More Information ...

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