

Banner General Release Guide

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Release 7.4.1*



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General System

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Introduction

This guide documents Release 7.4.1 of the Banner General System. Release 7.4.1 includes changes to support Luminis Platform IV, as well as related problem resolutions.

Prerequisites

The following must be installed prior to this release:

- Banner General Release 7.4
- Oracle Version 9.2.0.6

Note: For Open VMS clients who are using the Campus Card and/or Housing Integration APIs, Oracle Version 9.2.0.7 is required. If those APIs are not being used, then Version 9.2.0.5 is recommended. Version 9.2.0.6 is not available for Open VMS.

Note to Channels Users

If you are using Luminis Channels for Banner, then you must install the Channels 7.2 release *after* you install this release; otherwise, the channels will not function properly.

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Section 1 Luminis Platform IV Support - Technical

Overview

This enhancement supports Luminis Platform IV changes for Platform Directory Services (PDS). With Platform IV, institutions have the ability to change the login identifier for a system user, and to manually set and subsequently use a unique identifier, called the immutable ID. This allows entities outside Luminis to create the immutable identifier and assign it to an ID.

To support this feature of Platform IV, two new usermap options were added to Banner General. Additionally, changes were made to the GOKSSSO package. For configuration information, refer to the 7.4.1 version of the *Middle Tier Implementation Guide*.

Refer to the chapter about working with users and user accounts in the *Luminis Platform Administration Guide*, as well as the *Luminis Platform IV Release Notes* for more information about specific Luminis functionality and configuration.

Changed Form

General User Preferences Maintenance Form (GUAUPRF)

The new USERMAP_OPT and USERMAP_PRFX options were added to the LDAP window of this form.

Note: Only the BASELINE user can access the LDAP window. Refer to the 7.4.1 version of the *Middle Tier Implementation Guide* for more information.

Changed Packages

GOKSSSO

Specific changes were made to this package to support Single Sign-On functionality in Internet-Native Banner (INB) and Self-Service Banner (SSB), as well as to accommodate the new GURUPRF option `USERMAP_OPT`.

Single Sign-On Changes for INB

GOKSSSO.p_GetConfigVersion2

This configuration procedure was modified to send an additional parameter for the immutable ID, which enables Luminis IV to pass the immutable ID to the procedure's specified configurations. The parameter `sendimmutableid=true` was added to this procedure.

Note: Luminis ignores this parameter in version III.3.3.

New IMMUTABLEID parameter

A new parameter, `IMMUTABLEID`, was added to the following procedures:

- PROCEDURE P_CP_LOGIN
- PROCEDURE P_CP_LOGIN
- PROCEDURE P_CP_LASTACT
- PROCEDURE P_CP_LOGOUT

P_CP_LOGIN change

The `P_CP_LOGIN` procedure was changed to use `immutableID` to construct the DN for the LDAP bind. If `immutableID` is null, then the `login` is used to construct the DN for the LDAP bind.

Single Sign-On Changes for SSB

GOKSSSO.p_GetConfigVersion2_SSERV

This configuration procedure was modified to send an additional parameter for the immutable ID, which enables Luminis IV to pass the immutable ID to the procedure's specified configurations. The parameter `sendimmutableid=true` was added to this procedure.

Note: Luminis ignores this parameter in III.3.3.

New IMMUTABLEID parameter

A new parameter, IMMUTABLEID, was added to the following procedures:

- PROCEDURE P_CP_LOGIN_SSERV
- PROCEDURE P_CP_LOGIN_SSERV
- PROCEDURE P_CP_LASTACT_SSERV
- PROCEDURE P_CP_LOGOUT_SSERV

P_CP_LOGIN_SSERV change

The P_CP_LOGIN_SSERV procedure was changed to use immutableID to construct the DN for the LDAP bind. If immutableID is null, then the login is used to construct the DN for the LDAP bind.

GOKSSSO.f_usermap Changes

This function was modified to use the new GURUPRF option USERMAP_OPT. The mapping option defined in this option is used as the LDAP mapping.

USERMAP_OPT Usermap option.

I –ImmutableID is being used for mapping.

Note: This value can only be used with Luminis IV.

L –LoginID is being used for Login mapping.

N (default value) –No usermap option is used.

GSPPRXY

An additional parameter was added to this package for immutableID. The parameter was added to the g\$_get_proxy_info procedure.

SEED Data

General User Preferences Table (GURUPRF)

Two rows were added to this table to store the LDAP usermap option and usermap prefix values. The `iguruprf741.sql` script delivers these new values.

<i>Option</i>	<i>Description</i>	<i>Delivered Values</i>
USERMAP_PRFX	Prefix for the usermap. This file will contain the prefix for the usermap option.	<i>cn=</i> (default value)
USERMAP_OPT	Usermap option.	<i>I-ImmutableID</i> is being used for mapping. Note: This value can only be used with Luminis IV. <i>L-LoginID</i> is being used for Login mapping. <i>N</i> (default value)–No usermap option is used.

SEED Data

GURUPRF_USER_ID	GURUPRF_GROUP	GURUPRF_KEY	GURUPRF_STRING	GURUPRF_VALUE	GURUPRF_SYSTEM_REQ_IND
BASELINE	LDAP	AUTHENTICATION	USERMAP_PRFX	cn=	Y
BASELINE	LDAP	AUTHENTICATION	USERMAP_OPT	N	Y

Section 2 Problem Resolutions

This section lists the problem resolutions included in Release 7.4.1.

Packages

- GOKCSSO (#CMS-DFCT106009)
Description: When running LDAP/SSO/CHANNELS with Profiles and PASSWORD_REUSE_TIME 1, a HTTP 404 error occurred.
Impact: When running LDAP/SSO/CHANNELS with Profiles and PASSWORD_REUSE_TIME 1, a HTTP 404 error occurred.
Resolution: This package was changed to ignore exceptions where passwords are being changed.
- GOKSSSO (#CMS-DFCT101141)
Description: Clients who wanted to add object SCTSSOConfig and attribute SCTSSOConfigString to their own ou=people records instead of creating mapping records were unable to configure BANSSO to use a different search filter ("uid=<uid>") and search base ("ou=people,dc=alaska,dc=edu") when looking up the Banner/Oracle username.
Impact: The UserMap was not configurable.
Resolution: UserMap DN is now configurable through GUAUPRF.
- GOKSSS1 (#1-1KY6FM)
GOKCSS1
Description: The USERMAP_SUFFIX needed to be changed to USERMAP_PRFX.
Impact: The USERMAP_SUFFIX needed to be changed to USERMAP_PRFX.
Resolution: The USERMAP_SUFFIX was changed to USERMAP_PRFX. Refer to the enhancement section of this document for details.

Miscellaneous

- sso_parms.ldif (#CMS-DFCT104643)
sso_parms_sserv
.ldif
sso_oclass_suno
ne.ldif
Description: Inconsistent LDIF examples were shipped in the sso_parms.ldif and sso_parms_sserv.ldif files. Additionally, logcss.css was missing.

Impact: Inconsistent LDIF examples were shipped in the `sso_parms.ldif` and `sso_parms_sserv.ldif` files. Additionally, `logcss.css` was missing.

Resolution: The `sso_parms` and `sso_parms_sserve` LDIF files were updated.

`reencrypt.sql`

(#1-BJRGA)

Description: Running this script after the General 7.2 upgrade resulted in the following Oracle error: *ORA-28233: double encryption*.

Impact: You could not use `reencrypt.sql` to encrypt your LDAP directory password.

Resolution: `Reencrypt.sql` was modified to only update the passwords, and not to encrypt them. A database trigger performs the encryption instead of `reencrypt.sql`. The following grant statement was added: `START gurgrtbf_format_name`.