Release 3.0 Notes

INFINIUM
SOFTWARE

Important Notices

The material contained in this publication (including any supplementary information) constitutes and contains confidential and proprietary information of Infinium Software, Inc.

By gaining access to the attached, you acknowledge and agree that the material (including any modification, translation or adaptation of the material) and all copyright, trade secrets and all other right, title and interest therein, are the sole property of Infinium Software, Inc. and that you shall not gain right, title or interest in the material (including any modification, translation or adaptation of the material) by virtue of your review thereof other than the non-exclusive right to use the material solely in connection with and the furtherance of your license and use of software made available to your company from Infinium Software, Inc. pursuant to a separate agreement ("Purpose").

In addition, by accessing the enclosed material, you acknowledge and agree that you are required to maintain such material in strict confidence and that your use of such material is limited to the Purpose described above.

Although Infinium Software, Inc. has taken due care to ensure that the material included in this publication is accurate and complete, Infinium Software, Inc. cannot warrant that the information contained in this publication is complete, does not contain typographical or other errors, or will meet your specific requirements. As such, Infinium Software, Inc. does not assume and hereby disclaims all liability, consequential or otherwise, for any loss or damage to any person or entity which is caused by or relates to errors or omissions in this publication (including any supplementary information), whether such errors or omissions result from negligence, accident or any other cause.

Publication Information

Release: Infinium AM Release 3.0

Publication Date: April 2009

Document Number: 20080905163147-01

Table of Contents

Chapter 1 Introduction

1

Intended audience

All users, managers, supervisors, and IT personnel upgrading to Release 3.0 of Infinium Application Manager should read these release notes.

Purpose of these release notes

These release notes summarize the discrepancy corrections, object changes, and documentation changes in Release 3.0 of Infinium Application Manager. The release notes provide brief explanations of the changes and include technical information where appropriate.

Conventions used in these release notes

Infinium uses the conventions below in these release notes.

Convention	Description	Example
Italic typeface	Menu options and field names	*Bank Reconciliation*
	The guide uses the same abbreviations as the screen or Web page.	Use the *Recover* field to specify whether the tax value is recoverable VAT tax.

Convention	Description	Example
Bold	Used for notes, cautions, and warnings	**Caution:** To ensure data integrity, you should not override reference numbers once you start processing.
	Characters that you type and messages that are displayed	Log on as **AM2000**.
		The following message is displayed: Company not found
F2 through F24	Keyboard function keys used to perform a variety of commands.	Press F2 to display a list of available function keys.
F13 through F24	Function keys higher than F12 require you to hold down the Shift key and press the key that has the number you require minus 12.	Press F21 to perform an override.
Select	Choose a menu option or choose a record or field value after prompting.	Select a reason code.
Press Enter	Provide information on a screen (page) and when you have finished, press Enter or click Next on the Web to save your entries and continue.	Press Enter or click Next to save your changes and continue.
Exit	Exit a screen (page) or function, usually to return to a prior selection list or menu. May require exiting multiple screens (pages) in sequence.	Press F3 or click Exit to return to the main menu.
Cancel	Cancel the work at the current screen (page) or dialog box, usually to return to the prior screen (page).	Press F12 or click Cancel to cancel your entries.
Publication and course titles	Unless otherwise stated, titles refer to Infinium applications and use standard name abbreviations.	*Infinium Application Manager Guide to Basics is referred to as Infinium AM Guide to Basics.*

Related documentation

The following related Infinium AM Release 3.0 documentation is available:

- *Infinium AM Guide to Application Manager*
- *Infinium AM Release 3.0 Installation Details*
- *Infinium AM Guide to Basics*
- *Infinium AM Technical Guide*
- *Infinium AM Programmer's Guide*
- *Infinium AM Quick Reference Card*
- Online help text

Notes

Chapter 2 Enhancements

2

This release describes the enhancements in Infinium AM Release 3.0.

The chapter consists of the following topics:

Alternate language enablement

We enhanced the language enablement for Infinium applications by making the changes below to Infinium AM.

Note: Infinium AM does not support the entry of double-byte data. We made alternate language enablement changes to support the Infinium applications.

Alpha fields converted to open fields

We converted all alpha (A) field types to open (O) for fields with ten or more bytes. Open fields can contain both DBCS and alphanumeric data. We made exceptions for data elements that would not have double-byte information, such as the program name, file name, user, and so on.

Language processing

We added a language code to each version of an application. This is in addition to the language code in the user profile.

Conversion of message text

We converted DDS message constants and database literals as follows:

- DDS message IDs

  We now use message ID (MSGID) keywords. The message ID text is resolved at runtime. Previously, message constant (MSGCON) keywords were used in the DDS, which was compiled into the object.

- Database literals

  We converted language specific database content, such as job controls and function key descriptions, to messages. The system now uses the associated message ID instead of the text string in the database files.

WARNING! After a system, release, and modification are converted to use message IDs, you can no longer use database literals.

Message files

Alternate language files use the same message file naming convention that is described in the "Conversion of message text" topic.

Each Infinium application has more than one message file in the default primary language ENU, which is US English.

The Infinium AM message files are listed below. Substitute the appropriate language code for *LNG*. For example, use **CHT** for traditional Chinese.

Message file	Type of message file
AMMSG*LNG*	Runtime
AMMSGC*LNG*	Constants
AMMSGI*LNG*	Installation
AMMSGP*LNG*	Prompt
AMMSGT*LNG*	Text
W3MSGC*LNG*	WebTop Server constants
W3MSGE*LNG*	WebTop Server errors

Each message within the message file is assigned a unique identifier. For example, PEJ0001 is a job control message.

If you add or modify a message ID in any language, you must update the corresponding message ID in each message file for each alternate language. The table below illustrates a sample message ID in multiple languages.

Language	Message	Message ID	Message file
US English	Cancel	ABC1234	XXMSG
Traditional Chinese	取消	ABC1234	XXMSGCHT

The alternate language message files are delivered in a separate library. You must install the library that includes the alternate message files in the appropriate application program library as the US English message files.

The default language on a user profile determines which language to use when a user accesses an Infinium application.

Alternate language code and message ID maintenance

You can modify the text of the message IDs in a language library. We updated the following maintenance programs to support language codes and message IDs:

- Job control

- Menu

- Entry panel

- Field prompt

- News

Refer to the following for more information:

- The "Using Supervisor's Tasks" chapter in the *Infinium AM Guide to Basics*

- The "Working with Job Controls, Menus, and Printer Controls" chapter in the *Infinium AM Technical Guide*

- The "Working with Language Overrides" chapter in the *Infinium AM Programmer's Guide*

Mass updating Coded Character Set ID (CCSID)

You can now mass update the CCSID for all physical files within one library.

To mass update the CCSID, you type the following on a command line and complete the *Library* and *Coded Character Set ID* fields on the Change Physical File CCSID screen:

CHGPFCCSID

Validation of language codes within a library list

Infinium AM validates the library list to prevent using multiple language codes in that library list. When you use *Systems and Versions* and access the System Definition Maintenance screen or use *Users and Authorities* and access the Code Value Maintenance screen and you enter a library name for a library that contains a different language code than the other libraries in the list, the system:

- Displays an error message
- Prevents you from adding that library to the list

Function keys modification

Infinium Application Manager now supports conditional function keys. You can assign an indicator expression for a function key. The indicator expression is evaluated at runtime. An example of an expression is 10N20. In this example, the function key will be displayed when indicator 10 is on and 20 is off.

See the "Working with Soft Coded Function Keys" chapter in the Infinium AM *Guide to Application Manager* for more information.

S2KRELEASE data area

The system now uses the language code specified in the S2KRELEASE data areas. Previously, the language code and CCSID were specified in the user profile and function key maintenance.

The S2KRELEASE data area stores the language, CCSID (coded character set identifier), and message file names by library. The library type in the data area identifies the database libraries (DTA) from program libraries (PGM). The language code and CCSID are in the DTA library data area, and the message file name is in the PGM library data area.

Refer to the *Installing a New Infinium Application* or the *Upgrading an Infinium Application* guide for more information about installing a language for a system and version. Each of these guides is on Infinium Navigator.

Installing updates

Installing Infinium applications

We enhanced the application installation as follows:

- Every database library specifies its language. You must specify a language each time you create a new database library. Existing databases use the ENU language code for US English as the default language and do not require a change.

- Every program library specifies its message files. Message files that are associated with the program library are entered at library creation time.

Library list maintenance verifies the language that is used in the specified libraries. All languages must be the same for each library list. If the languages are different, the system displays an error message.

The Infinium AM program that establishes the library list now builds the message file overrides in combination with any change to the library list.

In addition, application coding changes may be necessary due to the characteristics of message file overrides.

The language code must match across all DTA libraries in a given library list. This restriction is validated when library lists are maintained or created.

Installing Infinium AM

We now provide installation logging in Infinium AM. This provides an installation report after you run the AM installation programs.

Deleting W3P* files

W3P* files are now deleted when you use the *Delete System Data* function, which you access by selecting *System/Version* from the *AM Utilities* menu.

Service programs

We added the following service programs to Infinium AM:

- AMXDTEUTIL - Date service program

  This service program contains date-related utilities. This includes some of the AMGCDATE program call options.

- AMXENCUTIL - Encryption service program

  Use this program to encrypt and decrypt data by using 128 keys.

- AMXICVUTIL - ICONV service program

  Use this service program to convert strings from one CCSID to another.

- AMXOBJUTIL - Object service program

  This service program wrappers many of the IBM APIs available on the System i.

- AMXPGMUTIL - AM program call prototypes

  This copy book makes AM prototype calls to AM programs.

- AMXIFSUTIL - IFS call prototypes

  This copy book makes AM prototype calls to the IFS service program.

- AMXSTRUTIL - String utility service program

  Use this service program for various string manipulations.

- AMXXMLUTIL - Requested attribute service program

  Use this service program to work with simple XML documents.

- AMXMSGUTIL - Message text service program

  Use this service program to work with messages.

You can open each of these service programs and copybooks and obtain a detailed description of the purpose of the program and how it operates in the AMCPYLESRC source file.

List Changed Objects report

You can now generate a Changed Objects report that lists the objects that changed since the prior release of the application. When you receive an upgrade to Application Manager or another Infinium application, you can run this report to obtain the list of changed objects. You can run the report after you install the upgrade.

New function

We added the *Print Changed Objects* function to the *Install Functions* menu, which you access by selecting *AM Utilities.*

Automatic job scheduling

You can now automatically schedule to run batch jobs for your application.

New menu option and functions

We added the *Job Scheduler Maintenance* menu option to the *AM Utilities* menu.

We added the following functions to the *Job Scheduler Maintenance* menu option:

- *Job Scheduler Maintenance*

  Use *Job Scheduler Maintenance* for the following:

  - System i setup
  - Define and update job timer settings for a specified job

- *Job Scheduler Startup*

  Use *Job Scheduler Startup* to schedule the specified job to begin.

- *Job Scheduler End*

  Use *Job Scheduler End* to stop the scheduling of a specified job.

Notification of errors when switching systems

We modified Infinium AM to provide you with notification when you change systems or versions and a problem exists with the languages in the new library list.

The system displays the following message:

> System Switch failed due to language code inconsistency. Please check library list in system maintenance.

Copying Web components into a specified release and modification

You can now copy Web components into a specified release and modification if you need to install the Web components after your initial installation of an application.

New fields

When you type the **CPY_WEB** command on a command line, the system displays the Copy Web Data screen. We added optional parameters that include the *To Release* and *To Modification* fields. Use these fields when you want to specify the release and modification into which you want to copy Web data.

Alternate AM2000 supervisors

You can now create alternate supervisor profiles in Infinium AM. The alternate supervisors have the same authorities as the AM supervisor including the ability to:

- Create user profiles and work with their menus

- Change application passwords

- Update printer controls

- Update user news

- Print online help text

- Print menu controls

- Print history logs

- Display help text usage for users

New function key on the System Definition Maintenance screen

We added the F6=Alt Supervisor function key to the System Definition Maintenance screen. Use this function key to access the System Supervisor Maintenance screen. Use the System Supervisor Maintenance screen to enter user profiles for those users you want to provide with supervisor authority.

See the "Working with Systems, Versions, and User Profiles" chapter of the *Infinium AM Technical Guide* for more information.

Ability to change a user's password externally

You can now do the following with a user's profile:

- Change the password
- Verify the user ID and password
- Disable the password

Updates to Action bar

We removed the O (Office) option from the Action bar as it is no longer available.

Notes

Chapter 3 Discrepancy Corrections

<div style="text-align: right; color: white;">3</div>

This chapter summarizes the discrepancy corrections for Infinium AM Release 3.0.

For each discrepancy correction, the table lists the following information:

- Menu function(s)

  Name or names of the affected function or functions

- Customer reference number

  The reference number generated from the customer's inquiry

- Related Infinium AM release if one exists

  Reference to an Infinium AM release number if we made this discrepancy correction in a previous release

- New or changed objects

  Name of the new or changed object or objects, such as a software program or display file

- Description

  Brief summary of the correction to the problem

AM Utilities

Menu function	Customer reference #	New or changed object	Description
System/ Version / Menu Structure Report	NA	AMIMCRPT	The system now includes restricted job controls that are on a user menu when you generate the Menu Structure report.

Chapter 4 Menu Changes

<div style="text-align: right">4</div>

This chapter describes additions to menu options in Infinium AM Release 3.0.

AM Utilities

We added the *Print Changed Objects* [PRTCHGOBJ] function to the *Install Functions* menu under *AM Utilities.*

Job Scheduler

We added the *Job Scheduler Maintenance* menu option to the *AM Utilities* menu.

We added the following functions to the *Job Scheduler Maintenance* menu:

- *Job Scheduler Maintenance* [JOBSCHEDLR]
- *Job Scheduler Startup* [JOBSCHSTRT]
- *Job Scheduler End* [JOBSCHEND]

Notes

Chapter 5 New and Changed Objects

5

With Release 3.0 of Infinium AM, you can generate a list of changed objects. See the "List Changed Objects report" topic in the "Enhancements" of the release notes for more information.

Notes

Chapter 6 Documentation Changes

<div style="text-align: right">6</div>

This chapter summarizes the changes to Infinium AM documentation for Release 3.0. The following table lists the document title and a description of the changes.

You can obtain the updated guides on Infor365 Online Support.

Document title	Description of change
Infinium AM Guide to Basics	Chapter 2, "Using the Menu and Help Features," removed "Office" from the "Selecting an option from the Action Bar" topic. IBM no longer supports Office Vision. Chapter 3, "Using Supervisor's Tasks," added the "Overriding languages" topic.
Infinium AM Guide to Application Manager	Chapter 1, "Overview of Infinium AM": ■ Updated the "National Language Support (NLS) Enablement" topic to include the message file AMMSGT. ■ Updated the "Security" topic to include AMCEBEP in the list of programs that use the CHGPGM command to set the user profile **OWNER* and *Use Adopted Authority *YES*. Chapter 3, "Working with Version," updated the "Displaying authorized users and supervisors" topic to include supervisors. Chapter 4, " Working with Code Variables": ■ Removed the *LANG and the *SLANG code types from the "Getting started with code variables" topic. ■ Removed the reserved language variables from the "Reserved variable names" topic. ■ Removed the "Creating a machine code variable" topic. ■ Removed the "Creating a language code variable" topic.

Document title	Description of change
	Chapter 5, " Working with Job Controls," removed the "Working with associated process definitions" topic.
	Chapter 9, "Working with News and Logos," added information about working with language overrides.
	Chapter 10, "Working with Soft Coded Function Keys," added the "Modifying function keys" topic.
	Chapter 12, "Working with System Documentation," removed the "Displaying online release notes" topic.
	Chapter 17, "Working with System and Versions Utilities," added information on deleting the Web data modules or components of a system that has release and modification dependencies.
	Added Chapter 27, "Working with Job Scheduler Maintenance." Renumbered the subsequent chapter.
Infinium AM Technical Guide	Chapter 3, "Working with Systems, Versions, and User Profiles," updated the "Maintaining systems" topic to include: ▪ Adding alternate supervisors. ▪ Verifying that all libraries in a library list must have the same language code and CCSID.
	Chapter 4, "Working with Code Variables and Menus," added option 9 *Language Override* to the "Menu levels" topic.
	Chapter 5, "Working with Job Controls, Menus, and Printer Controls," added option 9 *Language Override* to the "Menu function keys" topic.
	Chapter 6, "Miscellaneous Technical Topics," updated the "Input Parameters" topic table to include parameters for #FMT of S = System date and U=Job date.
Infinium AM Programmer's Technical Guide	Chapter 1, "Overview of Infinium AM," updated the "Menus and library lists" topic to include verifying that all libraries in a library list must have the same language code and CCSID.
	Chapter 2, "Job Controls," removed the "Creating a PC job control definition" topic.
	Chapter 4, "Event handling," added information on the batch driver program, AMCEBEP.
	Added Chapter 8, "Working with Language Overrides."
Infinium AM Quick Reference Card	Removed the **O** Action Bar item.
Installing a New Infinium Application	Added Chapter 8, "Working with Alternate Language Message Files," which provides information about installing alternate language files.

Document title	Description of change
	Added Appendix A, "Recommended Installation Sequence," which provides a recommendation for the sequence in which to install Infinium applications.
Upgrading an Infinium Application	Added Chapter 10, "Working with Alternate Language Message Files," which provides information about installing alternate language files.
	Added Appendix B, "Recommended Installation Sequence," which provides a recommendation for the sequence in which to install Infinium applications.
	Chapter 3, "Pre-installation Tasks," added the "Generate the Changed Objects report" section.
	Chapter 6, "Standard Post-upgrade Tasks," added the "Generate the Changed Objects report" section.

Notes