



ACR/Summary[®] and ACR/Detail[®]

Release Notes | Release 4.8



Home Office


1240 East Diehl Road, Suite 400

Naperville, IL 60563

Tel: + 1.630.505.1800

www.infogix.com





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OVERVIEW

This document provides an overview of enhancements and modifications for users of ACR/Summary® and ACR/Detail® who are upgrading to Release 4.8.

ACR/SUMMARY ENHANCEMENTS

None.

ACR/DETAIL ENHANCEMENTS

The following section describes the major enhancements for ACR/Detail.

Generate History Items for a Range of Relative Cycles

This new functionality is used to specify the history retrieval for a range of relative cycles. A new field called "Generate Thru" is added to the History Items panel. This field is a three-digit number (-998 to +000) that identifies the highest relative cycle within the range you wish to generate the history. When the Generate Thru cycle is specified, a set of consecutive history items are generated. One history item is generated for each relative cycle that falls within the range.

This feature is not applicable to File Control Balancing.

Generate Standard Rules for a Range Comparison of History Items

Range comparison is a new feature in the Standard Rule. It enables you to create multiple rules quickly without entering their information individually. Range comparison is allowed in the RHS of a comparison equation, and works with history items only.

For example: E-xxx: E-yyy

When range comparison is specified in the RHS, a set of consecutive rules are generated. One rule is generated for each history item specified in the range. Range comparison is not applicable to File Control Balancing.

Compare to Key Return Code for RLQ Processing

In the previous releases, the job (base) highest Return Code (RC) was used to determine the reconciliation level (RLQ) that should be performed when the return code range was specified. This enhancement allows ACR™ to kick off the RLQ job based on the key return code. A 'Use Key return Code' indicator is added in Reconciliation Level Qualifier Information.



Freeform Output File (UNIDAT2)

'Suppress positive sign' indicator, 'Suppress leading zeros' indicator and 'Replace leading zeros with blanks' indicator are added for numeric item value of the following item types:

- Internal item (format - count, amount)
- Extended internal item (format - count, amount)
- History item (format - count, amount)
- Calculated item (format - count, amount)
- Rule variance (all formats)

These 3 indicators are available during the generation of the freeform output file (UNIDAT2). If 'the Suppress positive sign' indicator is Yes, positive sign is not be generated. If the 'Suppress leading zeros' indicator is Yes, leading zeros are suppressed during file generation. If the 'Replace leading zeros with blanks' indicator is Yes, leading zeros are replaced with blanks.

Suppress Printing Column Detail and Key Break Line for User Report

To suppress printing the column detail, a new indicator is added to the User Report Column Information to indicate whether the column value is printed.

To suppress printing the key break line, a new indicator is added to the User Report Key Break Information to indicate whether the accumulated column totals is printed. If the printing of the accumulated column totals is suppressed, a blank line is printed instead.

ACR/SUMMARY AND ACR/DETAIL ENHANCEMENTS


The following section describes the major enhancements that pertain to both ACR/Summary and ACR/Detail.

Allow Comments to Improve Readability of Definitions

To improve the readability of the definition editor, comments are allowed for access modes 6 and 7 if the input source is not a DB2® table. In the definition editor (e.g. Extract Window and Expert File Editor in MVS™), user can enter comments for the following field types:

- Selection field
- Reformat field
- Key field (ACR/Detail only)
- Detail field

A maximum of 195 characters are allowed for the comment field. When the file definitions are displayed (View/Definition in MVS), the comments are displayed along



with the definition. Line commands (e.g. D, S, C, and M) are not allowed on the comment line.

Allow Mixed Format Translation for Internal Translation Table

In the previous releases, the Internal Translation Table supported only 'text-to-text' and 'numeric-to-numeric' translations. In this release, the Internal Translation Table has been enhanced to support 'numeric-to-text' and 'text-to-numeric' translations.

If the user wants to convert a text to a date, and output the translated value with Print Format Date, the translated value should be the numeric equivalent of a date in date count.

If the user wants to convert a text to a time and output the translated value with Print Format Time or Date &Time, the translated value should be the numeric equivalent of a time in centisecond.

In the translation table, for a numeric value, the number is prefixed with a '+' or '-' sign, and it can be 30 bytes that includes up to 9 decimal places. For a text value, it can be up to 80 bytes.

Allow Time Conversion Utility access from Calculated Item and Standard Rule

A new "TimeCsec" button is added to Calculated Item/Formula Dialog. A new "TimeCsec" button is added to the Standard Rule/Comparison Dialog.

The existing time conversion utility has two available options:

- Option 1 - Convert days/time to centiseconds
- Option 2 - Convert centiseconds to days/time

This enhancement is applicable to Windows GUI only.

Debug Indicator in JCL

A new parameter DEBUG is added to the JCL parms for the File Interface Balancing job (SUM2000) and the Reconciliation job (DET2000). For Windows GUI, the optional debug indicators may be added as runtime overrides.

For ACR/Summary, overall 3 debug indicators can be passed through the DEBUG parameter. The first debug indicator is for the XML writer. The second debug indicator is for the Infogix Visibility API (sending start-of-job message, end-of-job message and report XML messages). The third debug indicator is for the Infogix Assure History API (Infogix Assure History ACR/Summary history retrieval).

For ACR/Detail, overall 2 debug indicators can be passed through the DEBUG parameter. The first debug indicator is for the XML writer. The second debug indicator is for the Infogix Visibility API (sending start-of-job message, end-of-job message and report XML messages).



Batch Utility - Create Comma Delimited Text File

In the previous releases, the 'Create Comma Delimited Text File' utility was not supported in IBM i platform. This enhancement is to add the 'Create Comma Delimited Text File' utility in IBM i.

This enhancement is applicable to IBM i only.

OTHER ENHANCEMENTS

The following sections describe the minor enhancements that pertain to ACR/Summary, ACR/Detail, or both.

Display #UDS0011 with the Actual Number of Keys for RLQ Job

For #UDS0011 message, instead of displaying the accumulated number of keys for each RLQ job, the actual number of keys selected for the RLQ job is displayed.

This enhancement is applicable to ACR/Detail.

Display Number of Keys Stored and Deleted in SYSOUT

This enhancement counts the number of records that are deleted/added/changed on the history file, and prints the totals in the SYSOUT at the end of the job.

Display Extraction Variable Name in Extract Window/View/Definition

In the Extract window, the extraction variable name is displayed instead of the extraction variable number. If there is enough space, the first 18 characters of the extraction variable name are displayed. Else the first 12 characters are displayed. If the extraction variable name is missing, extraction variable number is displayed in 'EXT VAR nnn' format.


This enhancement is applicable to both ACR/Summary and ACR/Detail for z/OS®, and ACR/Summary for IBM i.

Standardize the Display Format of Extraction Variable in Expert File Editor/View/Definition

In Expert File Editor, extraction variable number continues to display. In this enhancement, Expert File Editor is modified to standardize the display of extraction variable number in 'EXT VAR nnn' format.

This enhancement is applicable to both ACR/Summary and ACR/Detail for z/OS only.

Management Report - To Include Jobs Having No Balancing Rules



To pick up the jobs that do not have balancing rules, leave the return code from value blank. All platforms except z/OS already allow this feature.

This enhancement is applicable to both ACR/Summary and ACR/Detail for z/OS only.

Support Advanced Features for History Item

Three advanced features: Variable Cycle, Cycle Accumulation, and Equal Cycle Comparison are now supported.

This enhancement is applicable to ACR/Summary for IBM i only.

Ability to Select from the List of Calculated Items

In the Internal Item and Extended Internal Item screens, user now has the ability to select from a list while assigning a calculated item.

This enhancement is applicable to both ACR/Summary and ACR/Detail for IBM i only.

Allow 3 Additional Debug Reports to be Set Online in Reports Menu

Print Extracted Data Detail Report, Print Sorted/Accumulated Data Detail Report, and Print History Data Detail Report are available, and can be set online using the debug reports section under the Reports menu.

This enhancement is applicable to ACR/Detail for IBM i only.

Rewrite History Do Not Issue MCH Error Message

The Rewrite History option is not available on IBM i. When a user erroneously turns on the Rewrite History option, MCH3401 message is no longer issued.

This enhancement is applicable to ACR/Detail for IBM i only.

ACR/SUMMARY AND ACR/DETAIL SYSTEM REQUIREMENTS

Requirements for z/OS®

Category	Requirement
Operating System	IBM z/OS® 2.1 or higher
ISPF Profile	ISPF profiles are not compatible with releases of ACR/Summary and ACR/Detail older than 3.0.
TSO Region Size	*6144 (7168 suggested) , plus space required by LE runtime libraries.
COBOL	Enterprise COBOL 5.1 or any compatible COBOL is required if you wish to compile user exits.
JAVA®	Version 6.0.1 SR1 or higher

*Additional region size is necessary to install Infogix Visibility API, retrieve history from Infogix Assure or process large files in the extract window, particularly for delimited data in ACR/Summary access modes 1-4. To avoid additional tuning, set the region size to 0M.

Requirements for Windows®

ACR/Summary and ACR/Detail Server

Category	Requirement
Hardware and Operating System	IBM® or compatible machine with Microsoft® Windows 7, Windows Server® 2008, or Windows Server 2012
Memory	At least 100 MB of Random Access Memory (RAM)
Disk Space	A hard drive with at least 50 MB of free space
Drive	CD-ROM
Network Communication	TCP/IP protocol

ACR/Workbench and Clients

Category	Requirement
Hardware and Operating System	IBM or compatible machine with Windows 7, or Windows 2008
Memory	At least 100 MB of Random Access Memory (RAM)
Disk Space	For ACR/Workbench: A hard drive with at least 30 MB of free space (more if data files are stored locally) For Clients: A hard drive with at least 10 MB of free space
Drive	CD-ROM
Network Communications	Access to a network using TCP/IP protocol

Requirements for UNIX® and Linux®

Vendor	Operating System	Approximate Installation Size
IBM	AIX 6.1 or higher	229 MB
Oracle®	Solaris® 9 or higher	113 MB
Red Hat	Linux® 6.5 64 bit or higher	272 MB

Requirements for IBM i

Category	Requirement	Approximate Installation Size
ACR/Summary		99 MB
ACR/Detail		193 MB
Operating System	V6R1	
COBOL		
JAVA	Version 6.0 SR9 FP1 or higher	



UPGRADING ACR/SUMMARY AND ACR/DETAIL FROM A PREVIOUS RELEASE

Instructions for Upgrades

When upgrading to the current release, please follow the instructions in the installation guide shipped with the installation media.

If you want to recompile the UDPCGEN JCLs (Extraction Program Interface) generated in previous releases using Enterprise Cobol 5.1 compiler, modify the JCLs as suggested below. Consult your system programmer for more information.

- Set the region size to 0M.
- Add SYSUT8 - SYSUT15 and SYSMDECK.
- Use PSDE load library for the target load library.

Review Other Enhancements/Display #UDS0011 with the Actual Number of Keys for RLO job. This change will affect the content of #UDS0011, review and make modification as required.

Review Maintenance Fixes/Jira 4559. The changes may affect the content and layout of the reports. Review and modify the definitions as required.

Review Maintenance Fixes/Jira 4622. Verify the URL in the User Options File to ensure the URL entered is in the following format:

```
http://hostname:portnum/
```

If there are multiple Infogix Assure instances running on the same port using multiple context roots, enter the name of the context root that you want to retrieve history in the URL as below:

```
http://hostname:portnum/<solution.context.root.api>
```

Do not reinstall patches. This release includes all patches from previous releases. If you have installed patches in the past, install this release, but do not reinstall the patches.

MAINTENANCE FIXES

The following maintenance fixes have been completed for this release.

ACR/S	ACR/D	JIRA	Corrections	z/OS	Windows	UNIX	IBM i
X		4149	Leading zeros need not be entered for relative cycle (-999 to +000) on panels. Leading zeros are automatically padded by ACR programs.	X			
X	X	4347	Online Balancing/Reconciliation - The job using external translation table no longer cancels when the job is running online.	X			
X	X	4381	User Options - 'N' and upper case are allowed for 'Suppress zeros in dates'. If 'Specify out format order (use YMD) for date' is empty, the default value 'YMD' will be displayed.	X			
	X	4468	Freeform Output File Window (DWB7A10P) - Online message #UNFUS201 is corrected to display all the valid values accurately.	X			
X		4531	Enhanced User Report - Number is no longer truncated when its formatted value has 21 or 22 characters and printed with a 22-character format.	X	X	X	X

ACR/S	ACR/D	JIRA	Corrections	z/OS	Windows	UNIX	IBM i
X	X	4535	History Database - Rerun date/time/count are now updated properly when rerunning jobs.				X
X	X	4536	Create Comma Delimited Text File - The label on the screen is changed from 'Output File' to 'Extract File'.				X
X		4559	Control Report -History item coming from an extended internal item with Date/Time Print Format is now printed on the right-hand column.	X	X	X	X
X		4622	Infogix Assure History Retrieval - Multiple root contexts are now supported so that histories can be retrieved when multiple Infogix Assure instances are running on the same port. To support multiple root contexts, ACR will pass the URL in this format: http://hostname:port num/ or http://hostname:port num/<solution.context.root.api>	X	X	X	X
	X	4631	Extract Window - Shift Right ')' works properly in View/Definition.	X			
	X	4633	Extraction Program Interface/Build Extraction Program - Compilation JCL is now generated for Enterprise Cobol 5.1 compiler.	X			

ACR/S	ACR/D	JIRA	Corrections	z/OS	Windows	UNIX	IBM i
X	X	4637	Import - Additional comparison values information (F4A-F4N and X5A-X5N) for selection field are correctly imported when the cards are created via the Build Batch Transaction Utility.		X		
X	X	4640	Return code is correctly displayed in ACR for failed communication in Infogix Visibility API.	X	X	X	X
	X	4645	User Report - Blank lines before key break total line is no longer missing when the report is viewed in Infogix Insight.	X	X	X	X
X		4646	Batch Update - IGZ0040S is no longer displayed for history items using cycle accumulation.	X	X	X	X
X		4647	Infogix Assure History Retrieval - TO-CYCLE < FROM-CYCLE is not allowed for history item during Batch Update.	X	X	X	X



CONTACTING CUSTOMER SUPPORT

If you need assistance, contact Infogix Customer Support.

Support Phone: +1.630.505.1890

Support Email: support@infogix.com

Support Website: <http://support.infogix.com>

Fax Number: +1.630.505.1883

Visit our Website: www.infogix.com