

ACR/Summary[®] and ACR/Detail[®]

Release Notes | Infogix ACR[®] 9.0



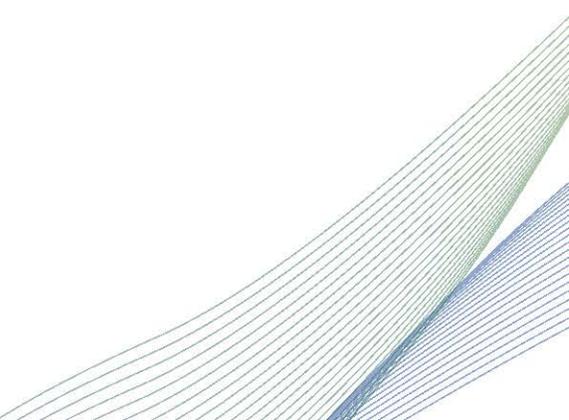
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OVERVIEW

This document provides an overview of enhancements and modifications for users of ACR/Summary® and ACR/Detail® who are upgrading to Release 9.0.

ACR/SUMMARY ENHANCEMENTS

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

Invoke Program Interface (UAC1000) using a JAVA Program

Users can perform balancing using the Program Interface mode by passing accumulated data values to UAC1000, a COBOL program, on the mainframe. In this release, the Program Interface is enhanced to handle the return of 999 history items and also allow input of date fields

Currently, there is no easy method to call UAC1000 from external programs, such as Java, running on non-z/OS environments. A new program residing on the OMVS side of the mainframe has been developed to invoke Program Interface (UAC1000) directly from a Java program running on Windows. This feature provides greater flexibility in the options to invoke the Program Interface. This program is available as a separate licensable feature. Licensing costs may apply. Please contact Infogix Customer Support for additional information.

This enhancement is applicable to z/OS.

Provide ability to create up to 999 Calculated Items

A calculated item is used for mathematical manipulation of values that include internal items, history items, other calculated items, or literals (numeric constants or text literals). Users could define only 100 Calculated Items in prior releases. In this release, the functionality has been extended to provide ability to define up to 999 Calculated Items.

Increase User Report Detail Specification from 100 to 999 lines

In the User Report, users were able to define only 100 detailed lines in prior releases. In this release, the functionality has been extended to provide ability to define up to 999 lines.

Access Mode 5 (Total/Tally/Hash) Support for VSAM files

In prior releases, Access Mode 5 support was available only for Physical Sequential files. Starting this release the functionality has been extended and users can use Access Mode 5 to perform Total, Tally, and Hash, on VSAM files.



ACR/DETAIL ENHANCEMENTS

The following section describes the enhancements for ACR/Detail.

Read and Match Two Input Sources Simultaneously for Improved Performance

A new Access Mode, 8 (Use matched file processing), can now be used to read and match the keys and/or the values of Internal or Extended Internal items from two input sources concurrently for improved performance.

The records in the input files must contain unique keys and be in an ascending order. This functionality is applicable for Physical Sequential and VSAM Key Sequenced files only.

For each input source, matched records or unmatched records will be extracted and reported based on the specified Matching Options. The matching criteria can be applied at two levels:

- Key Level
- Item Level (when there is a match at the Key level)

Perform an Action Based on Highest Key Return Code

Users can define a Rule (Conditional Rule) that can evaluate the status of up to ten Standard Rules to determine if the condition is met. Users now have the ability to check for the highest Key Return Code for a particular value or range of values.

Users can define an action to be initiated when the condition is met providing greater flexibility to define actions. Both active and inactive Conditional Rules support return code comparison.

Additionally, a new action, 'Reset key return code to zeros', is now available to reset the highest Key Return Code to zero if desired. If users select the action to reset the highest Key return code to zero, and if this Conditional Rule is met, all subsequent Rules will compare against a return code of zero.

ACR/SUMMARY AND ACR/DETAIL ENHANCEMENTS

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

Allow Workbench to Communicate with the ACR on the mainframe

Users can use ACR/Workbench to test out their rules directly on the Mainframe. This enhancement will either eliminate or minimize the need to export/import rules, especially during rules development reducing the time and effort required.

This enhancement is applicable to Workbench and z/OS.

Internal Translation Table Enhancements

Internal Translation functionality has been extended to support data translation in additional data formats. Users will now have the added capability to translate values for two additional data types - Date, and Time.

To make Internal Translation table processing consistent with External Translation Tables and products such as Infogix Assure, the format of the input data and its translated value is now defined during the definition of the Internal Translation table itself. In prior releases, the definition of input data format and its translated value was specified during the entry of actual data.

Upgrade Consideration

For tables created in Releases 4.7, 4.8, or 4.9, the data format is entered for each entry. When these tables are opened and/or processed in ACR Release 9.0, the formats entered for the first row are used as the table column formats.

If the formats of the second and/or the subsequent rows are different from the first row, users have to change the data manually to make it consistent with the table column format.

In case the table column formats are not relevant for some rows of data, the table is required to be split into separate tables.

To identify if the Internal Translation tables created in Releases 4.7, 4.8, or 4.9 have mixed formats (the second and/or the subsequent rows have data formats different from the first row), a program has been developed to scan the Definition database to produce a list of tables that have mixed formats.

The name of the program is UNIVTBL (z/OS, Unix/Linux and IBM i), SUMVERTBL (ACR/Summary on Windows), and DETVERTBL (ACR/Detail on Windows)

Note: You must run the scan program before your Internal Translation tables have been processed and updated in ACR 9.0 format.



Two New Functions (@MINIMUM and @MAXIMUM) in Calculated Item Rule Definition

Two new functions, @MINIMUM and @MAXIMUM, have been added to the Calculated Item rule definition. The function @MINIMUM returns the minimum value in a list, or from a range of specified items. The function @MAXIMUM returns the maximum value in a list, or from a range of specified items.

ACR/SUMMARY AND ACR/DETAIL SYSTEM REQUIREMENTS

Requirements for z/OS®

Category	Requirement
Operating System	IBM z/OS® 2.2 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 4.2 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	ILE Cobol V6R1	
JAVA	Version 6.0 SR9 FP1 or higher	



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

Instructions for Upgrades

1. Review Internal Translation Table Enhancements - For internal translation tables, the format of the input data and its translated value is now defined during the definition of the Internal Translation table itself. The formats entered at the table level are used for all the table entries. In prior releases, the definition of input data format and its translated value was specified during the entry of actual data.

For tables created prior to Release 4.7, data formats are not available and translation entries (both input and output) are processed as text. When these tables are opened/processed in Release 9.0, the data formats of the input column and the output column at the table level are set to text automatically.

For tables created in Release 4.7 - 4.9, data format is entered for each entry. When these tables are opened/processed in Release 9.0, the formats entered for the first row are used as the table column formats. If the formats of the second and the subsequent rows are different from the first row, users have to change the data manually to make it consistent with the table column formats. In case the table column formats are not relevant for some rows, the table is required to split into separate tables.

To see if the tables created in Release 4.7 - 4.9 have mixed formats (that is the second and subsequent rows have different formats from the first row), a program (UNIVTBL) has been developed to scan the Definition database and produce a list of tables that have mixed formats. Users should review the content of the tables and make modification as required. Refer to Installation Guide on instructions to run the scan program.

For any change manually made to the internal translation tables, review the extraction rules and make modification as required.

2. Review Maintenance Fixes - Jira 5160 - ACR/Detail User Report - Rule return code and rule variance are printed properly on the report. This change may affect the content and layout of the reports. Review and make modification as required.
3. Review Maintenance Fixes - Jira 5320 - User Report XML Message - XML tag <pg> is generated for each page and the value in <totpg> is passed correctly. This fix works in conjunction with Infogix Insight. Verify the correct version of Infogix Insight is used.
4. 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		4160	File Control Processing – Jobs created prior to Release 4.5 using history items are processed properly.	X			
X		4726	Detail Field (Access Mode 6/7) – ‘Extract First’ is processed properly when using numeric extraction variable.				X
	X	4765	Definition List - Cycle format is printed for cycle key.	X	X	X	X
X	X	4766	Definition List – For detail field (Access Mode 6/7) picking up date/time, translation table name is printed if it is used.	X	X	X	X
	X	4767	Import – Hardcopy DD in F0/001 card is skipped.		X		
X	X	4781	User Options File Panel – Help panel is displayed properly for 'Print negative sign symbol'.	X			
	X	4782	Selection Field Panel – When the value entered for the selection type is out of range, error message is displayed properly.	X			
X		4786	List Definitions by Function Utility Screen – Option to print Infogix Assure history items is added.				X
X	X	4790	List Definitions by Function Utility Screen – Product name is taken out.				X
X		4798	User Report – Return code is printed properly for the page header and detail line.	X	X	X	X
X	X	4807	Selection Field (Access Mode 6/7) – ‘BEGIN =’ is processed the same way as in Release 4.7.	X	X	X	X
X	X	4808	Internal Translation – Translated value with 8 digits is processed properly and warning is no longer issued.	X	X	X	X
X		4817	User Report – Leading spaces are retained when literal is entered for the field.	X	X	X	X

X		4819	Automatic Rerun - When the user-id to run the job with insufficient permissions/privileges, instead of running into an endless loop, RC 4039 is issued and processing terminates.	X				
	X	4823	User Program – A job using two user programs can now run properly.	X	X	X	X	
	X	4825	Step/Full Extraction – ‘BEGIN =’is processed the same way as in batch reconciliation.	X				
X	X	4829	Freeform Report/View Definition Panel (RPT4010P) - F4 (Action) and F6 (And/Or) are taken out from the key list.	X				
X	X	4831	Update from Batch – Sequence 3 card of the conditional rule is displayed in the 'Transaction Processing' section on the UNITR report.	X	X	X	X	
X		4836	Update from Batch – For User Report detail line, all the batch cards are displayed in the 'Transaction Processing' section on the UNITR report.	X	X	X	X	
	X	4840	Update from Batch – Freeform reconciliation output file is not rejected with #UPD523E (OUTPUT LENGTH MUST BE 0 OR 8) when the time separator is not used for outputting the job start run time.	X	X	X	X	
X		4842	Update from Batch - Freeform report basic information (J1/000/1) is not rejected with #UPD587E (LENGTH MUST BE NUMERIC, 0 – 1000).	X	X	X	X	
	X	4843	Update from batch – Validation is added for RLQ Restart Report Indicator in position 32 of J1/000/1 card.	X	X	X	X	
X		4875	Reformat Screen – ‘Extraction Variable’ is no longer an option.					X
X		4887	Control Report - Customized column headings are displayed properly when using 22-character format.	X	X	X	X	
X	X	4888	Definition List – For extended internal Item, 'Calculated item to assign' is displayed on the report.	X	X	X	X	

X	X	4889	Standard Rule Panel - If text literals are entered for both LHS and RHS, #SWBPJ213 (Both LHS and RHS cannot be a constant) is displayed instead of #SWBPJ404.	X				
X		4892	User Report Window (Enhanced Format) – For SWB7711P (User Report Detail Lines), leading spaces are saved properly when literal is entered.	X				
X		4940	User Report Screen (Original Format) – User Report lines can be copied properly.					X
X		4949	Internal Item Screen (JINT) – The list of calculated items is displayed properly when using the <F4> selection feature for 'Calculated item to assign'.					X
X		4950	Internal Item Screen (JINT) – Online help is added.					X
X		4951	User Report Screen – Report line is deleted and processed properly.					X
X		4963	User Report (Original and Enhanced Format) – The overall return code and the rule return code are printed properly for the page header when using left justification.	X	X	X	X	X
X		4966	User Report Dialog - The 'copy and paste' operation is now working correctly for report page headers.		X			
X		4970	Update from Batch – Calculated item with extended internal item on RHS is not rejected.	X	X	X	X	X
X	X	4974	Calculated Item Dialog - The LHS or RHS 'Add' button is disabled when the total number of items has reached the maximum limit allowed. 15 for ACR/Summary and 10 for ACR/Detail.		X			
X	X	4979	Definition List - Access Mode is printed properly for VSAM input source.	X	X	X	X	X
X		4980	Extract Window - Step/Full Extraction is disabled for Access Mode 3,4, and 5	X				
X		4982	VSAM File Information Panel (SWB8040P) - 'Use delimited data fields?' is taken out.	X				

X		5013	User Report Screen – For report page header, '999' is allowed to indicate the overall return code.						X
X		5022	Online Create Batch Card - F0/000 Sequence 2 card is generated for VSAM input source.	X					
X		5024	Freeform Report Screen – Items are displayed properly in the item list when using the F4 selection feature.						X
	X	5026	Freeform Reconciliation Output File (UNIDAT2) - 'Insert time separator' indicator is not set to 'yes' during initialization.				X		
X	X	5069	Integrity Check Function – For selection field, integrity check error is displayed properly and the application does not abend.				X		
	X	5070	Update from Batch - Obsolete field (print item order number) generated by GUI in positions 67-69 of J2/J22 sequence 1 record is no longer updated to the Definition Database.	X	X	X	X	X	X
	X	5073	External Translation – Date with MMDDCCYY format is properly translated to Gregorian format.	X	X	X	X	X	X
X	X	5078	Calculated Item – Calculated item referencing itself in the formula is not allowed during balancing/reconciliation.	X	X	X	X	X	X
X		5082	Control Report (80-Column) - The last byte of the function name is not truncated for the calculation formula.	X	X	X	X	X	X
X		5083	Balancing Extract File - An extra blank is not generated at the end of the function name.	X	X	X	X	X	X
X	X	5084	Job Window – When a date/time item is deleted, 'Delete' notification message is displayed properly for the calculated item and balancing rule if the item is found in LHS or RHS.	X					
X		5097	File Control Processing – During rule processing, rule item with number other than 001 is now processed properly.	X					
X		5107	Calculated Item screen – 15 items are allowed to enter on LHS.						X

X	5120	Conditional Rule - If the conditional rule is to process another conditional rule, the rule number in #UDS048E is displayed properly.	X	X	X	X
X	5152	Online Create Batch Card - For conditional rule, operator OR is generated properly for LHS.	X			
X	5153	Freeform Report Window - For RPT1051P (Conditional Rule Result and RPT1050P (Standard Rule Values), the content of help panel DWBNOUP (Rule Display) is updated.	X			
X	5154	Freeform Output File Window – For DWB7A70P (Rule Information), the content of help panel (DWH7A70) is updated.	X			
X	5155	User Report Window – For DWB8740P (Rule Print Option), the content of help panel DWH8740 (Rule Print Option) and DWH8746 (Page Header Item Type) is updated.	X			
X	5159	Freeform Report/Detail Report Window (RPT1001P) – 'ACTION TAKEN' is displayed when 'return code' is selected for conditional rule (Evaluate/Execute).	X			
X	5160	User Report - Rule return code and rule variance are printed properly on the report. For inactive conditional rule, '***COND MET***' or '***COND NOT MET***' is printed for return code. For standard rule, zero is printed for rule variance if it is in-balance. For conditional rule to set return code, 'ACTION BYPASSED' is printed if the action is bypassed.	X	X	X	X
X	5169	Calculated Item Screen - F10 TimeCsec function is allowed when creating a new item.				X
X	5178	Conditional Rule - If the conditional rule is to process another conditional rule, the rule number in #UBS079E is displayed properly.	X	X	X	X

	X	5180	Conditional Rule – The rule entered in LHS must refer to a previously defined rule. Otherwise #UDS048E (ERROR IN BALANCING RULE) is displayed.	X	X	X	X
	X	5193	Conditional Rule Panel - The set return code option (default/set completion code/set abend code) is taken out to make it consistent with other platforms.	X			
X	X	5194	Inactive Conditional Rule/General Information Dialog – Blank is no longer displayed on the initial display.		X		
	X	5203	Standard Rule Panel – Help panel is updated.	X			
X	X	5209	Detail Field (Access Mode 6/7) – If translation is not used, validation between extraction format and cycle format is not loosened up to allow mixed- format translation.	X	X	X	X
	X	5215	Control Report – If the calculated item is invalid, the calculation formula is not printed on the report.	X	X	X	X
X	X	5226	Definition List – For detail field (Access Mode 6/7), date/time format and the translation table name are printed properly on the report.	X	X	X	X
	X	5232	Internal Item Panel (DWB8101P) - When picking up a time field from the input source, #DWBPJ209 is not displayed if 'Time' or 'Date & Time' is selected for the print format.	X			
X	X	5235	Calculated Item Panel – For calculated item using @DAY, @MONTH and @YEAR function, #DWBPJ417 (Invalid LHS value entered for RHS function) is no longer displayed when entering a numeric literal in LHS.	X			
	X	5238	Conditional Rule - "Do not story history" option is working properly.	X	X	X	X
	X	5239	Internal Translation - Key field (Access Mode 6/7) is no longer translated to low-values when using text-to-numeric translation.	X	X	X	X

	X	5241	Internal Translation – For key Field (Access Mode 6/7) with translated value longer than 8 bytes, #UDX106W/ #UDX107W is displayed. Numeric translated key allows 16 digits and alphanumeric translated key allows 8 characters.	X	X	X	X
X		5243	Extract Window/View Definition - For field item (Access Mode 1) with field type JSQ, Alternate Rule Set and Cycle, the word 'TRANSLATE' is displayed if translation is used.	X			
	X	5245	Extract Window/View Definition – For cycle key (Access Mode 6/7), the word 'TRANSLATE' is displayed if translation is used.	X			
	X	5250	Detail Field Dialog – When 'Extract From' is literal or tally, 'Use Translation Table' option is disabled.		X		
X		5251	Definition List – For field item (Access Mode 1) picking up a date, all the fields are printed properly on the report.	X	X	X	X
X		5252	Definition List – For field item (Access Mode 1) using translation, '/' is printed between the table name and the translation option.	X	X	X	X
	X	5256	Definition List - For cycle key (Access Mode 6/7), cycle format is printed on the report.	X	X	X	X
	X	5258	Update from Batch – For cycle key (Access Mode 6/7), key number is always updated to zero.	X	X	X	X
X	X	5262	Key Field Dialog/cycle key (ACR/Detail) and Field Item Dialog/Cycle (ACR/Summary) - If using translation, validation between extraction format and cycle format is loosened up to allow mixed-format translation (i.e. text to numeric/numeric to text).		X		
X	X	5266	Internal Translation Table - The default settings are cleared out when creating a new table.		X		
X		5276	Field Cycle (Access Mode 1) – When using Internal Translation for cycle format DDDMMYY and MDDMMYY, #UFI013W is no longer displayed and translation is working properly.	X	X	X	X

X		5277	Field Cycle (Access Mode 1) – When using Internal Translation for cycle format MMDDCCYY, MMMDDCCYY, DDM MCCYY and DDDMMCCYY, the century of the translated cycle is no longer changed to 20 if it is 19.	X	X	X	X
X	X	5279	Internal Translation Table – GUI is able to open a table with no entry defined.		X		
X		5281	Field Cycle (Access Mode 1) – Partial cycle extraction for century, year, month MM (i.e. 01-12) and day is handled properly.	X	X	X	X
X		5282	Field Cycle (Access Mode 1) - Partial cycle extraction for month MMM (i.e. JAN-DEC) is handled properly.	X	X	X	X
X	X	5288	Internal Translation Table - Users must enter the basic information for the table before the table entries.		X		
X		5294	Selection Field (Access Mode 6/7) - GUI can import and show the non-extended selection/comparison values properly.		X		
X		5297	Import – For Field Item (Access Mode 1), GUI can import the date format properly when the target is extraction variable.		X		
X		5300	List Definitions – Field item (Access Mode 1) has DATE format 'YMMDD' is printed properly on the report.	X	X	X	X
	X	5301	User Report - Data column over 18 bytes are not truncated in the generated XML when using 18-character format.	X	X	X	X
	X	5309	Freeform Reconciliation Output File (UNIDAT2) – Job creating UNIDAT2 is running properly and MCH1202 error message is no longer displayed.				X
X		5320	User Report XML Message – <pg> is generated for each page and the value in <totpg> is passed correctly.	X	X	X	X



CONTACTING CUSTOMER SUPPORT

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