VisualAge Pacbase Monthly Letter

August 1999

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New Availabilities

Softwares

REFERENCE	LABEL
PB 200 DP8 V20 X	VisualAge Pacbase 2.0 - BULL-GCOS8/TP8
PB 250 COS V10 X	VisualAge Pacbase 2.5 - IBM-MVS/CICS
PB 250 DP8 V10 X	VisualAge Pacbase 2.5 - BULL-GCOS8/TP8
PT 200 DP8 V12 X	Pactables 2.0 - BULL-GCOS8/TP8
ID 250 AIX V03 X	DSMS 2.5 - RS6000-DPX20
ID 250 HP9 V03 X	DSMS 2.5 - HP 9000
ID 250 IRX V03 X	DSMS 2.5 - TANDEM IRIX
ID 250 O32 V03 X	DSMS 2.5 - OS2 32B
ID 250 OSF V03 X	DSMS 2.5 - DIGITAL UNIX
ID 250 SUN V03 X	DSMS 2.5 - SUN SOLARIS
ID 250 WNT V03 X	DSMS 2.5 - Windows/NT

CORRECTED BUGS

Miscellaneous

The display of a number of screens was incorrect on VIP7800 emulations.
(C 18828 : BULL-GCOS7/TDS et BULL-GCOS8/TP8)

These screens contained too many variable fields and this caused a 'Buffer overflow'.
This is now corrected.

Year 2000: problem.
(C 18879 : BULL-GCOS8/TP8)

Some programs were not correct for the year 2000.
This has been corrected.

VisualAge Pacbase 2.5 - V10

NEW FUNCTIONALITIES

Batch System Development

Comments insertion in Structured Code NOT taken into account by punctuation process.
(C 18511 : All Platforms)

The COMMENTS INSERTION OPTION field allows a new 'Y' value with which the punctuation process disregards the presence of inserted comments in the generated code.
The resulting punctuation is the same as that generated when comments are not inserted in the generated code.

Date conversion operators in Reports.
(C 18635 : All Platforms)

Three new operations '0', '1', and '2' are now available.
They perform a date conversion using the F9520 sub-function, identical to that used by operators AD0, AD1, and AD2, respectively.
Date formats must be entered on a continuation line with a 'U' operation type and both formats are left-justified in the SOURCE field, using two characters.

P-type program: generation of the F9520 function if AD operators are used.
(C 18926 : All Platforms)

P-type program (PROCEDURE DIVISION written by the user): the F9520 sub-function is generated if the user has coded ADx operators.

Client/Server system development

Business Component for Tandem Pathway New call type : PATHSEND.
(C 18435 : All Platforms)

Business Component for Tandem Pathway:
When the CALLTYPE option value is set to PATHSEND, calls are performed by the SERVERCLASS_SEND_ Tandem Pathway routines.

Tuxedo and Unisys-A : X_OCTET is a valid type of Buffer of Communication.
(C 18521 : All Platforms)

Folder Monitor : checks on the length of PCV numeric data.
(C 18587 : All Platforms)

Folder Monitor : checks on the length of PCV data are modified when they are numeric.

Pacbase Web Connection

PACWEB Online help generation : GEO command, using the C4 option.
(C 18439 : All Platforms)

PACWEB Online help generation : GEO command, using the C4 option (xxHELP screen).

PACWEB: server error processing.
(C 18549 : All Platforms)

In case of server error, the F81ER function is executed and provokes an ABEND without the WEB server knowing.
This is true for error types:
- application logic,
- physical access,
- host system resources problem,
- communication problem with the WEB server.

The implemented solution sends an error message to the WEB server.
When the error type involves a communication problem with the WEB server, specific solutions will be brought according to the different environments.

PACWEB Tandem Pathway.
(C 18569 : All Platforms)

Web Dialog, the Tandem Pathway variant taken into account.

CORRECTED BUGS

Batch System Development

Optional parameter in the SELECT clause on input/output Data Structures.
(C 18539 : All Platforms)

Optional parameter on Input/Output Data Structures :
Generation of the 'Optional' parameter in the SELECT clause of a direct output Data Structure (USAGE OF D.S. = 'D') and result Data Structure (USAGE OF D.S. = 'R') as well as tests of the corresponding status in the declarative section.

This generation is possible only if the library is in Cobol II.

Generation of the clause BLOCK CONTAINS 0 RECORDS for all input and output files.
(C 18626 : All Platforms)

Display of generated functions: wrong display if selection of a function > last existing function.
(C 18630 : All Platforms)

Display of generated functions: wrong display when selection of a 'Report' type function (F8x) higher than the program Reports and when there are no user functions any more.
This is now corrected.

Retrieval of the current date with century.
(C 18720 : All Platforms)

Retrieval of the current date with century : the windowing for the calculation of the century is wrongly used.
The system date retrieved already contains the century value (value 'C' at the Library level allowing the use of the CURRENT-DATE function).
This is now corrected.

Customized SQL accesses in a batch program: space wrongly added before the Data Element code.
(C 18750 : All Platforms)

Customized SQL accesses in a batch program: a space was wrongly added before the Data Element code.
This is now corrected.

Customized SQL accesses: if same Data Element used several times in a row, the date format was lost.
(C 18751 : All Platforms)

Customized SQL accesses: if the same Data Element was used several times in a row, the date format was recognized only for the first Data Element.
This is now corrected.

MVS Cobol II Program : optional VSAM file suppression of test on the feedback_field code.
(C 18772 : All Platforms)

GCOS8 Programs: use of COMPUTATIONAL-6 (J), 4-char length reused for calculation of complements.
(C 18871 : All Platforms)

GCOS8 programs defined in a Unisys-A library:

The use of 'J' which corresponds to COMPUTATIONAL-6 must have a 4-bytes length. However, when the Data Element is defined in a Unisys-A library, the length is 6 bytes.

The Length is then not correct when generating the FILLER that corresponds to the redefinition of the Segments containing such a Data Element.

This is now corrected in the generated programs but in the library, the length value is still the same as that specified for Unisys-A.

Generations

Server component: transfer with qualified data-name: 'TO' was missing.
(C 18834 : All Platforms)

TP applications: use of the 'M' operator for qualified data-names. If the first operand ended on a continuation line and if a condition was coded on the lines which contained this operator, 'TO' was not generated. This is now corrected.

The transfers of indexed fields or literals which ended on a continuation line are also corrected now.

Client/Server system development

Business Component : insertion after SQL function (SQ P).
(C 18408 : All Platforms)

Business Component : insertion after SQL function (SQ P) and not before the DECLARE CURSOR.

Corrected.

Folder Manager: call of Error Server, length of communication area erroneous.
(C 18429 : All Platforms)

Folder Manager: the area of communication with the Error Server does not include the Server Buffer when the LGCOMM option is not specified.

Corrected.

Monitor - Folder: WF00 work file.
SQL DB2 table and length > 255 (LONG VARCHAR).
(C 18464 : All Platforms)

Monitor - Folder: When the WF00 work file is an SQL DB2 table and if its detail part length is greater than 255, this field is declared as LONG VARCHAR.

When an access is performed, this field retrieved the 'segment' group field and therefore did not contain the LONG VARCHAR field composition.

This is now corrected.

Server : NON STOP SQL access - segment used in reading, sending of an extra FOR BROWSE ACCESS.
(C 18486 : All Platforms)

Server : NON STOP SQL access- if a segment is used in reading in the Update Service instead of the Selection Service, the FOR BROWSE ACCESS clause is sent twice.

Corrected.

SQL access: generated cobol is truncated when the date extended format exceeds 10 characters.
(C 18489 : All Platforms)

SQL access: generated cobol is truncated when the date extended format exceeds 10 characters.
Corrected.
```
***********************************************************
* This modification triggered the split of lines generated *
* in a number of physical access clauses. This might      *
* explain the differences detected between the various    *
* versions of the generated cobol.                        *
***********************************************************
```

Update of NON STOP SQL database : Primary Keys must not be listed in the SET clause.
(C 18492 : All Platforms)

Update of NON STOP SQL database : columns corresponding to primary keys must not be listed in the SET clause; i.e. Data Elements defined as update keys in the -CS are not taking into account in the SET clause any more.
Corrected.

Description of the Logical View is incomplete when it contains calls of Segments.
(C 18524 : All Platforms)

Business Component : the description of the Logical View is incomplete when it contains calls of Segments and when the CHECKSER option has been activated.

TUI Client : reinitialization of the Communication area fields.
(C 18581 : All Platforms)

Client TUI : A second call of a server caused problems since the fields of the Communication area (modified by the Server) were not reinitialized.
Corrected.

Folder Monitor, VA Cobol and MQSERIES : declaration of the COMMAND-LINE variable.
(C 18598 : All Platforms)

Folder Monitor with VA Cobol variant and with MQSERIES communication : the COMMAND-LINE variable is not recognized by the compiler; addition of its declaration in the SPECIAL-NAMES.
Corrected.

Proxy : warning at generation if the Monitor is not declared - number of logical View occurrence equals 0.
(C 18618 : All Platforms)

Proxy generation : addition of two messages in the generation report.
- LOCATION option referring to a Monitor that is not declared in the generation library: a message is sent but not the Environment line. The length of the communication area being equal to zero, the Visual generation is abended.
- The number of occurrences of the Logical View must be greater than zero.

Generation commands with continuation lines not filled in (following *) --> incomplete generation.
(C 18646 : All Platforms)

Generation commands with continuation lines (following *) not filled in --> incomplete generation of the component.
Corrected

Business Component and Sybase : incomplete generation of DEALLOCATE CURSOR.
(C 18650 : All Platforms)

Business Component using a Sybase : incomplete generation of DEALLOCATE CURSOR.
Corrected.

Customized SQL accesses: if same Data Element used several times in a row, the date format was lost.
(C 18751 : All Platforms)

Customized SQL accesses: if the same Data Element was used several times in a row, the date format was recognized only for the first Data Element.
This is now corrected.

Server component: transfer with qualified data-name: 'TO' was missing.
(C 18834 : All Platforms)

TP applications: use of the 'M' operator for qualified data-names. If the first operand ended on a continuation line and if a condition was coded on the lines which contained this operator, 'TO' was not generated. This is now corrected.
The transfers of indexed fields or literals which ended on a continuation line are also corrected now.

GCOS8 Programs: use of COMPUTATIONAL-6 (J), 4-char length reused for calculation of complements.
(C 18871 : All Platforms)

GCOS8 programs defined in a Unisys-A library:
The use of 'J' which corresponds to COMPUTATIONAL-6 must have a 4-bytes length. However, when the Data Element is defined in a Unisys-A library, the length is 6 bytes.
The Length is then not correct when generating the FILLER that corresponds to the redefinition of the Segments containing such a Data Element.
This is now corrected in the generated programs but in the library, the length value is still the same as that specified for Unisys-A.

On-Line System Development

NON STOP SQL access: the 'WHERE' clause in update-access mode is not correctly sorted.
(C 18536 : All Platforms)

Corrected.

IMS Monitor with NOTRAC Option: lines wrongly generated in F2899.
(C 18658 : All Platforms)

Corrected.

Customized SQL accesses: if same Data Element used several times in a row, the date format was lost.
(C 18751 : All Platforms)

Customized SQL accesses: if the same Data Element was used several times in a row, the date format was recognized only for the first Data Element.
This is now corrected.

Unisys-A Screen : indexed files access, written functions missing.
(C 18832 : All Platforms)

Unisys-A Screen : indexed files access, written functions are missing for the files in update.
This is now corrected.

Server component: transfer with qualified data-name: 'TO' was missing.
(C 18834 : All Platforms)

TP applications: use of the 'M' operator for qualified data-names. If the first operand ended on a continuation line and if a condition was coded on the lines which contained this operator, 'TO' was not generated. This is now corrected.
The transfers of indexed fields or literals which ended on a continuation line are also corrected now.

Screen Simulation - Data check Function (F20) : user function sent several times
(C 18842 : All Platforms)

Screen Simulation - Data check Function (F20) : the user function is sent many times if the code of the Data Element specified in the condition is followed by the code of the category to which it belongs.
This is now corrected.

GCOS8 Programs: use of COMPUTATIONAL-6 (J), 4-char length reused for calculation of complements.
(C 18871 : All Platforms)

GCOS8 programs defined in a Unisys-A library:
The use of 'J' which corresponds to COMPUTATIONAL-6 must have a 4-bytes length. However, when the Data Element is defined in a Unisys-A library, the length is 6 bytes.
The Length is then not correct when generating the FILLER that corresponds to the redefinition of the Segments containing such a Data Element.
This is now corrected in the generated programs but in the library, the length value is still the same as that specified for Unisys-A.

Pacbase Access Facility

When a dialogue is defined in several libraries, the screens extracted by ECRDEF with I, Lib=*** are erroneous.
(C 17547 : All Platforms)

When a dialogue is defined in several libraries, the screens extracted by ECRDEF, with the sub-network option = 'I' and the library = '***', contain a number of erroneous data.

UPDP : problem on LOCK Table (UEO...).
(C 18419 : All Platforms)

From now on, technical locks cannot be created or modified via the UPDT procedure.
However, they can be deleted (deletion transactions of technical locks put on User Entity Occurrences are now operational.

(The transactions concerned are those of the LOCK table).

Formatting of transactions from the -G with PIA : comment lines of the Parameterized Input Aid are ignored.
(C 18499 : All Platforms)

Now, the comment lines of the called Parameterized Input Aid (PIA) are ignored by PAF900.
(...DOC table)

Personalized Documentation Manager

PDM : an interfering line appeared between the title line and the content of the -D1 of a SDS.
(C 18784 : All Platforms)

This is now corrected.

PDM : non-formatted descriptions (-d8) of method entities containing the '_' character were truncated.
(C 18830 : All Platforms)

This is now corrected.

Production Environment Interface

INPE, GRPE : incorrect management of frozen sessions date retrieval.
(C 18793 : All Platforms)

INPE, GRPE : the century date of frozen sessions was incorrectly managed.
This is now corrected.

Batch Procedures

UPDT following EXPJ on the -d of a report: the created data is different from that created on-line.
(C 18519 : All Platforms)

UPDT following EXPJ on the -d of a report: the creations of -d lines differ from those created on line.
.D on -D of a report detects differences. These differences are not visible on screen since they bear on VisualAge Pacbase internal data.
Corrected.

UPDT following EXPJ on the -CE of a Segment : the created data is different from that created on-line.
(C 18586 : All Platforms)

UPDT following EXPJ on the -CE of a Segment: data created in the -CE is different from that created on-line.
Thus, a .D on the -CE of a Segment detects differences.
These differences are not visible on screen since they bear on VisualAge Pacbase internal data.
Corrected.

PACX for UPDP with UEO containing more than one call of PIA in -G : calls of the first PIA are lost.
(C 18623 : All Platforms)

PACX for UPDP with update transactions of User Entity Occurrence documentation ($ttDOC tables) :
Transactions were incomplete if there was more than one call of Parameterized Input Aid.

Year 2000 : problem.
(C 18663 : All Platforms)

Following an error in the batch generator, our programs did not function correctly any more for the year 2000.
Corrected.

PACX/EXPJ following TRRP and Report -CE : The 'CONTINUATION OF CONDITION' field is not blanked out.
(C 18682 : All Platforms)

PACX/EXPJ following TRRP and Report -CE : The 'CONTINUATION OF CONDITION' field could not be blanked out.
Corrected.

UPDT following EXPJ on the -CE or -CS of a screen : the data created is different from that created on line.
(C 18767 : All Platforms)

A .D on the -CS or -CE of a screen detects differences.
These differences are not visible on screen because they affect data which is internal to VisualAge Pacbase.
Corrected.

PACX/EXPJ : creation of Y3 lines having no description - the transaction code is forced to 'M'.
(C 18806 : All Platforms)

UPDT following PACX/EXPJ containing creations of UEO lines (lines Y3) having no description (that is to say containing only a code and a label : the transaction code is forced to 'M'.
This is now corrected.

Pactables 2.0 - BULL-GCOS8/TP8 - V12

CORRECTED BUGS

Miscellaneous

Year 2000: problem.
(C 18841 : BULL-GCOS8/TP8)

Some programs were not correct for the year 2000.
This has been corrected.

Warning: the users of VA Pac 2.5 older than V09 have to copy the programs PACT40 and PACT50 in the VA Pac environment.

DSMS 2.5 - V03

CORRECTED BUGS

Ergonomics

Four labels have been corrected on English screens.
(C 18757 : All Platforms)

The English labels on S-V, S-LV, HC and HS screens were incorrect.
They have been corrected.

Changes

Line Source/Status ('A', 'C' or 'N') not correctly managed: access controls in VA Pac database sometimes not performed.
(C 18560 : All Platforms)

The 'C' and 'N' types of Line Source/Status being not correctly managed, access controls over occurrence updates in the VisualAge Pacbase database were sometimes not performed.

Batch Procedures

DREO: in case of Event/Change/Site deletions, a number of indexes were nevertheless created.
(C 18186 : All Platforms)

DREO: in case of Event/Change/Site deletions, DREO created some of their indexes.
Corrected.

DREN: Columns UPD on Backup or on Archive empty or with invalid values: generation file(s) created.
(C 18214 : All Platforms)

If columns 25 and 26 (updates to be made on Backup or Archive files, respectively) are erroneous or both absent: BB and/or BJ generation files are created empty (resulting in an erroneous file rotation).

DEXP: the value specified in the type of update on the -M of a change was sometimes erroneous.
(C 18326 : All Platforms)

DEXP: On -M following the execution of a DEXP, the type of update (column 'M') was sometimes erroneous.
Corrected.

Interfering characters ('N' or 'T') sometimes appeared in the Event Follow-Up lines extractions.
(C 18647 : All Platforms)

Interfering characters ('N' or 'T') sometimes appeared in the Event Follow-Up lines extractions (EVTFLU table).
This is now corrected.

The size of the record counters display fields has been increased.
(C 18760 : All Platforms)

The size of the record counters display fields has been increased (from 7 to 9 characters).

Tables management

TST table: the request for the deletion of a site status code triggers a loop in the DSMS transaction.
(C 18161 : All Platforms)

This has been corrected.

Miscellaneous

AEIV ABEND after an irrelevant branching.
(C 16792 : All Platforms)

From now on, the PF10 function key will no longer cause this abend when pressed from the PF9-accessed help screen.
Note: this branching is irrelevant; entity access is unavailable since no entity was displayed in this screen, which shows values and their labels only.