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VisualAge Pacbase Monthly Letter

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Table of Contents

NEW AVAILABILITIES	3
Softwares	3
VISUALAGE PACBASE 2.5 - V13	4
NEW FUNCTIONALITIES	4
Compatibility	4
Batch System Development	4
Client/Server system develop.	4
Block Database	4
On-Line System Development	5
Pacbase Web Connection	5
Miscellaneous	5
CORRECTED BUGS	6
Installation and procedures	6
Client/Server system develop.	6
Pacbase Access Facility	7
Procedure and transaction PARM	7
Personalized Document. Manager	7
Pacbench Quality Control	8
Batch Procedures	8
Rename and move utility	8
Security Systems Interface	8
Miscellaneous : Online	9
Miscellaneous	9
MODULE PACBENCH C/S 2.5 - V09	10
NEW FUNCTIONALITIES	10
OCX Client	10
CORRECTED BUGS	11
Middleware	11
Generation	11
Java Client	11
OCX Client	12
SmallTalk Client	12

New Availabilities

Softwares

<i>REFERENCE</i>	<i>LABEL</i>
PB 250 COS V13 X	VisualAge Pacbase 2.5 - IBM MVS, CICS
PB 250 IMS V13 A	VisualAge Pacbase 2.5 - IBM MVS, IMS
PB 250 IMS V13 F	VisualAge Pacbase 2.5 - IBM MVS, IMS
PB 250 AIX V13 X	VisualAge Pacbase 2.5 - RS6000-DPX20
PB 250 HP9 V13 X	VisualAge Pacbase 2.5 - HP 9000
PB 250 IRX V13 X	VisualAge Pacbase 2.5 - TANDEM IRIX
PB 250 OSF V13 X	VisualAge Pacbase 2.5 - DIGITAL UNIX
PB 250 SUN V13 X	VisualAge Pacbase 2.5 - SUN SOLARIS
VP 250 *** V09 X	Pacbench Client/Serveur 2.5
PK 250 WKC V11 X	WorkStation Components 2.5

VISUALAGE PACBASE 2.5 - V13

NEW FUNCTIONALITIES

Compatibility

Folder Manager : insertion in F81LE before the last instruction.

(C: 19648 - All Platforms)

To allow insertion in F81LE before the last instruction, the last instruction is generated in the F81LH function and the F81LG function is moved in F81LK.

Batch System Development

BSD function enhancement regarding ADABAS Databases

(C: 20209 - All Platforms)

Possibility to enter the values associated with the Data Elements in the 'A' type Data Element description for the Format-Buffer generation.

Client/Server system develop.

Folder Manager : insertion in F81LE before the last instruction.

(C: 19648 - All Platforms)

To allow insertion in F81LE before the last instruction, the last instruction is generated in the F81LH function and the F81LG function is moved in F81LK.

Block Database

COPY clauses: SQL COPY can now be taken into account.

(C: 19361 - All Platforms)

Generation of COPY clauses: SQL database blocks can be taken into account.

A new Input Aid has been created: DATASQ. It enables you to enter an SQL database block. Two levels of COPY clauses are generated: one for the Host Variables, and the other for the presence indicators.

On-Line System Development

The DCPROC option (Declare Cursor in procedure) is taken into account for all SQLs.

(C: 19505 - All Platforms)

The DCPROC option (Declare Cursor in procedure) is taken into account for all SQLs for which it was described in the Working Storage section.

Pacbase Web Connection

Pacbase Web Connection for Unisys

(C: 19339 - All Platforms)

Characteristics of Pacbase Web Connection for Unisys:

- generation variant = UC
- LOGMES option in the Dialog -O
- default communication type = SOCKET
- Parameter 34 = size of the Dialog context backup file
 - Format : nnnn
 - Default: 0100
- Parameter 39 : name of the Dialog context backup file
 - Format : 40-character string

Miscellaneous

Library Definition : The MODIFICATION OF EXTRACTED LINES and PROTECTION OF EXTRACTED ENTITIES fields now unprotected

(C: 18602 - All Platforms)

Library Definition : The MODIFICATION OF EXTRACTED LINES and PROTECTION OF EXTRACTED ENTITIES fields can now be updated by users granted a level-4 authorization.

CORRECTED BUGS

Installation and procedures

Corrections relating to the installation of IBM MVS, IMS PB250 English version.

(C: 20215 - IBM MVS, IMS)

Modification of installation Jobs: \$RADP.INSL and LOAD.

Client/Server system develop.

Client generation: an unrecognized organization in -CS caused a crash during the generation on Windows NT.

(C: 19720 - All Platforms)

Client generation: if a standard screen was converted into a Client screen, without adaptation of its Call of Segments, a crash occurred on non-CICS platforms. The organization was not recognized. This is now corrected.

Call of Segments in a Folder View: if locked entity, display of an action code after the transmit command.

(C: 19721 - All Platforms)

If the entity was locked by another user, an 'E' action code was displayed after a transmit to display the next screen. This is now corrected.

Initialization of the presence indicator during transfers from an SQL database.

(C: 19788 - All Platforms)

If the presence indicator is not equal to -1, setting of CH- to blank.

Generation of Unified Proxies: erroneous prefix of Smalltalk classes.

(C: 19891 - All Platforms)

The prefix of the Smalltalk classes contained the external name of the server instead of the value indicated via the option PREFIX=. This has been corrected.

Problem with the lengths of the communication areas between the Monitor and the Folder.

(C: 20039 - All Platforms)

This is now corrected.

Sybase Database, L-ROW-COUNT field declared as S9(9) instead of S9(4)

(C: 20225 - All Platforms)

This is now corrected.

Pacbase Access Facility

Only the first 8 keys were updated on DBDDSR.

(C: 19853 - All Platforms)

When a GY transaction on DBDDSR included more than 8 keys, the first of the two MV transactions created by PAF900 was incorrect.

In the English version, PAFP10 did not recognize the SEGXPGMWSS table.

(C: 20068 - All Platforms)

This has been corrected.

Procedure and transaction PARM

PARM Transaction access with Security System

(C: 19757 - IBM MVS, CICS IBM MVS, IMS)

PARM Transaction :

When the RACF Security System is in use, the existence check of user codes and assigned authorizations was incorrectly handled. This is now corrected.

Non parameterized call of the program code handling the formatting of the message on the PARM sign-on screen.

(C: 20175 - IBM MVS, IMS)

Call of P2R980 sub-program instead of \$ROOT.R980.
Corrected.

PARM:'B' code used for the deletion of a user code causes an Abend 'Record not found'.

(C: 20237 - All Platforms)

PARM: The 'B' code (multiple deletion) used for the deletion of a user code causes an Abend 'Record not found'. It is corrected now.

PARM: step PACU15: writing of connection records when there is no user

(C: 20275 - All Platforms)

When there is no user code in the Database (Database monitored by a security system), the connection technical record was duplicated between the steps PACU15 and PACU80.
This has been corrected.

PARM TP : initialization of the display on PK screen.

(C: 20301 - IBM MVS, IMS)

If there is no 'security system' record in the database, data of the access key is wrongly displayed on the PK screen. This is now corrected..

Personalized Document. Manager

PDM: the Data Element was not printed with \$RUBT if justification option in the Volume and if not on first line.

(C: 19582 - All Platforms)

PDM: the Data Element was not printed with \$RUBT if the justification option was indicated in the Volume and if the first line of the paragraph also contained a Data Element.
This has been corrected.

Pacbench Quality Control

PQCA: problems on the RPTSTR table.

(C: 19862 - All Platforms)

The indicators related to some columns of the RPTSTR table did not work.
This has been corrected.

Batch Procedures

UPDT/UPDP: limit the keyword length to 13 characters (as in transactional processing)

(C: 19331 - All Platforms)

UPDT/UPDP: it was possible to create a keyword with more than 13 characters while this was not allowed by transactional processing. Now, a keyword created using UPDT or UPDP is also truncated to 13 characters.

EXPU (logic): some unused Segments are erroneously displayed in the second list.

(C: 19332 - All Platforms)

Corrected.

VINS did not cancel User Entities of the same type in H-sessions.

(C: 19663 - All Platforms)

VINS did not cancel User Entities of the same type in libraries lower than the inter-library for H-type sessions. This is now corrected.

EXTR (PACS10): the program must run on all 2.5 versions. NB: not available in VA Pac 3.0.

(C: 20304 - All Platforms)

Rename and move utility

RMEN with several requests: if interferences, transactions were not generated in the correct order.

(C: 19436 - All Platforms)

If there were interferences between the requests (example: upload of a Data Element and upload of a Data Structure, while the Data Element was used in a Segment called in the Data Structure), transactions were not generated in the correct order.

This has been corrected.

Security Systems Interface

PARM Transaction access with Security System

(C: 19757 - IBM MVS, CICS IBM MVS, IMS)

When the RACF Security System is in use, the existence check was incorrectly handled. This is now corrected.

Miscellaneous : Online

Retrieval of Data Element codes in -DBE screen.

(C: 19119 - All Platforms)

In the -DBE screen, Data Element codes are now automatically retrieved as they used to be. These fields are protected.

The .D/M choices do not always work correctly on the calls of input aid.

(C: 19243 - All Platforms)

Calls of input aid: The .D/M choices do not always work correctly. Corrected.

The .C3 choice on a -CP of a Screen does not work.

(C: 19249 - All Platforms)

Corrected.

Impossibility to delete a Definition of an IBM user entity occurrence in on-line processing

(C: 19296 - All Platforms)

One must be allowed to handle IBM user entity occurrences without the Personalization function. Currently, you can:

- create, modify and delete the description
- create and modify the definition but not delete it

Corrected

Duplicat. of GP line + Continuation line deletion + GP paging with continuation lines in page bottom

(C: 19587 - All Platforms)

1- Duplication of GP line :

If a command line containing continuation lines is duplicated, these continuation lines were also duplicated.

2- Continuation lines deletion :

Continuation lines can now be deleted by entering a '&' as first character of parameters label. It is a 'from' deletion which deletes all continuation lines of the command from the one (included) which contains the '&'.

3- The paging problems concerning a command line with continuation lines on 2 pages are corrected.

Folder Definition Update : Defaults initialized in creation only.

(C: 20234 - All Platforms)

Folder Definition Update : Required fields default in creation only. This is now corrected.

Miscellaneous

A generation request including a continuation line on the GP screen aborted with an illegal decimal data

(C: 19936 - BULL GCOS7, TDS)

This is now corrected.

Limit of 28 million data in the PAC7AR data file.

(C: 20112 - All Platforms)

The number of data in the PAC7AR file was limited to 28 millions. This has been corrected.

MODULE PACBENCH C/S 2.5 - V09

NEW FUNCTIONALITIES

OCX Client

Error messages externalized

(C: 20437 - All Platforms)

New specification

Error messages are located in the VapErrorMsg.pro file (default) and in the VapErrorMsg_fr_FR.pro (French version).

You may modify or create error messages for your working language. An error message includes two parts; a key and a label. The key of existing messages cannot be modified.

Error message files must be in the same directory as the the VapRuntime.dll file.

CORRECTED BUGS

Middleware

In the DEC ULTRIX environment, the listener's subprocesses still appeared after a disconnection (zombie subprocesses).

(C: 18881 - All Platforms)

This is now corrected.

Generation

Error labels generated by the server not retrieved in the error messages of the VAPERROR components.

(C: 19820 - All Platforms)

The error labels generated by the server was not retrieved in the error messages of the VAPERROR components.

Java Client

Anomaly corrected regarding deletion of text in PacbaseJTextField.

(C: 19824 - All Platforms)

When text entered in a PacbaseJTextField was deleted, no propertyChange event was sent and the String stored in the component was not reinitialized.

This anomaly is corrected in the 2.5V09 version.

Detail not refreshed when update-and-refresh with a key generated on the server.

(C: 20223 - All Platforms)

The Proxy's Detail attribute is updated when changes are uploaded to the server with a refresh of instances only if the Detail attribute belongs to the updating instances and if the server changes the data descriptions' identifier (generated identifier).

In the versions former to the 2.5v09, it was different, except when there was a single data description in the rows attribute of the proxy.

OCX Client

COM Proxies' VAPERROR object reference problem.

(C: 19835 - All Platforms)

When two proxies are used in one project, the interfaces of their respective VAPERROR objects cannot be differentiated, causing a referencing confusion. Corrected.

SmallTalk Client

Rows must be emptied when a server request does not retrieve any instance.

(C: 19703 - All Platforms)

When a reading does not retrieve any instance or when there is no instance on the node, the rows of the corresponding proxy must be systematically re-initialized.

LastResponseSelectStatus must be set to:

- notFound:
when no instance meets the selection criterion (only for readInstance-type actions);
- notRead:
when the node is not involved in the reading (generally -2 level node, except if there is only one data item);
- pageAfter:
when the node has several data items and when all of them have not been read (maximumNumberOfRequested Instance < total number of data items);
- noPageAfter:
when the node has several data items and when all of them have been read (maximumNumberOfRequestedInstance >= total number of data items) or when it has no data.

The conversion of character strings must not delete blanks located at the beginning of string.

(C: 19743 - All Platforms)

The conversion of character strings used to delete blanks located at the beginning of the string. This is now corrected.

Any user can generate with the scratch edition mode, even if he/she is not the applications manager.

(C: 19745 - All Platforms)

The presence indicator shows all present fields when VECTPRES=NO

(C: 19910 - All Platforms)

A presence indicator reset now depends on the VECTPRES option specified in VA Pac:

- VECTPRES=YES: the indicator reset considers all fields absent. When data from the server is read, fields with a non null value are positioned as present.
- VECTPRES=NO: The indicator reset considers all fields present. When data from the server is read, fields with a null value are not positioned as absent; they are considered present.

The VAPLOCAT.INI file is no longer systematically read when a proxy is instantiated.

(C: 19944 - All Platforms)

In versions earlier than 2.5 V07, the VAPLOCAT.INI file was systematically read to retrieve the parameters of the selected communication.
From version 2.5 V07 on, this read was only performed if the VAPLOCAT.INI file had been modified.

This implied that this file's modification date had to be read systematically. However, since this file was not always necessary, it would happen that it could not be found.

It is now possible to specify in the VAPLOCAT.INI file that it need not be read. In order to do this, type in the following two lines at the beginning of the file:

```
<VPCS_PARAMETERS>
```

```
  CHECK_FILE_FOR_MODIFICATION=false
```

When this parameter is absent or if its value is set to TRUE, the file's date will be read systematically.

A reference to dependent nodes' setters is generated allowing their automatic packaging

(C: 19952 - All Platforms)

In the generated method defining the proxy's dependent node attribute (IS_<dep. node>), a reference to this attribute's setter is inserted.

This reference allows this method to be included in the image for all client applications (however, such setters remain not accessible to the user !)

This avoids having to generate a packaging rule for each setter which would otherwise significantly slow down the image packaging process.

Raising of a local integrity error when the notFound evt is sent with instances in the depending node

(C: 19953 - All Platforms)

When the notFound event is emitted, it seems necessary to notify an integrity error in the response of the server to the readInstanceWithFirstChildren method.

Now, the Runtime raises a RIWFKO-type local error that notifies an integrity error for the data returned by the server when the readInstanceWithFirstChildren method is used

Warning: The VAPERROR.TXT file has been modified; consequently it must be re-delivered.

The handling of the cursor showing the communication with the server has been modified

(C: 19956 - All Platforms)

The specific cursor allowing to view the exchanges with the server is instantiated once when the image is started and disappears when the image closes.

Note: In the previous versions, the cursor was instantiated each time the method that allowed to view it was called.

The reading of the error message file VAPERROR.TXT has been modified

(C: 19957 - All Platforms)

The reading of the error message file has been improved to be performed only once

Note: In the previous versions, the file was read each time a proxy was instantiated.

Dynamic inhibiting of the trace mode.

(C: 19958 - All Platforms)

The trace mode can now be disabled even when the user has specified the -v option in the command that starts the Smalltalk image

This convenience is however private and will not be published in the documentation:

- variable of the enableTrace class of the VpcsFolder class accessed by getter/setter,
- value "true" or "false"

Note: The opposite solution is not possible, i.e. not specifying the -v option then activate the trace mode using enableTrace !

Specific Integer and Double convertors can be used in the Smalltalk image.

(C: 20191 - All Platforms)

In the 2.5V08 Version, users could not specify convertors for the specific Integer and Double types. This was justified by compatibility needs regarding the VA Pac Server, i.e. no separator indicating the thousand and a period being the decimal separator.

Starting with the 2.5V09 Version, this situation has been solved as it clearly caused problems to users wishing to use other writing standards.

Users can now specify their own convertors for the Integer and Double types, these types being understood by the VA Pac server.

Automatic set of NIL attributes to the "ABSENT" value in "allowNilForStrongTypes" crippled mode.

(C: 20232 - All Platforms)

To write the attributes of a Data description in the PCV, the result of the conversion of these attributes into character strings is used.

However, when the Runtime takes into account the "NIL" values for the strong type attributes, the conversion of these NIL attributes is an empty string.

This result is the same as for an empty string.

To distinguish between these two cases (an empty string and the "NIL" strong type), the attributes with a "NIL" value must be set automatically to "absent".

The distinction is then clear and the PCV can be correctly written, i.e. with "/" for strong types and "/" for the empty strings.