



Compagnie IBM France

1, place J.B. Clément  
93881 Noisy Le Grand Cedex

## ***VisualAge Pacbase Monthly Letter***

### ***June 2002***

Société anonyme au capital de 552 175 789 euros  
Siège social : Tour Descartes - La Défense  
2, avenue gambetta - 94200 Courbevoie  
552 118 465 R.C.S. Nanterre - Code NAF 300C  
Informations sur le site :  
Siret : 552 118 465 02885



# Table of contents

<b>New Availabilities .....</b>	<b>4</b>
<b>Softwares .....</b>	<b>4</b>
<b>Documentation .....</b>	<b>4</b>
<b>VISUALAGE PACBASE OS390, CICS 3.0 V06 .....</b>	<b>5</b>
<b>    NEW FUNCTIONALITIES .....</b>	<b>5</b>
Batch System Development .....	5
Depth Extractor .....	5
On-Line System Development .....	5
Pacbase Web Connection .....	5
Batch Procedures.....	6
PAC/TRANSFER .....	6
VAPEAB .....	6
<b>    CORRECTED BUGS.....</b>	<b>7</b>
Client/Server system develop.....	7
On-Line System Development .....	7
Pacbase Web Connection .....	8
Pacbase Access Facility.....	8
Personalized Document. Manager .....	9
Batch Procedures.....	9
Miscellaneous : Online .....	10
<b>    MIDDLEWARE 3.0 V06 .....</b>	<b>11</b>
<b>    NEW FUNCTIONALITIES .....</b>	<b>11</b>
Middleware .....	11
<b>    PACDESIGN/PACBENCH 3.0 V06 .....</b>	<b>13</b>
<b>    CORRECTED BUGS.....</b>	<b>13</b>
Compatibility .....	13
Non formated description .....	13
RTF Local prints .....	13
Text .....	13
<b>    AD WORKBENCH 3.0 V06 .....</b>	<b>15</b>
<b>    NEW FUNCTIONALITIES .....</b>	<b>15</b>
Installation and procedures .....	15
Configuration .....	15
Publishing.....	15
Miscellaneous .....	15
<b>    CORRECTED BUGS.....</b>	<b>17</b>
Administration .....	17
Publishing.....	17
Miscellaneous .....	17
<b>    EBUSINESS TOOLS 3.0 V06 .....</b>	<b>19</b>
<b>    NEW FUNCTIONALITIES .....</b>	<b>19</b>
Proxy functionalities .....	19
<b>    CORRECTED BUGS.....</b>	<b>21</b>
Communications .....	21
OCX Client .....	21
Proxy functionalities .....	21

# New Availabilities

## Softwares

REFERENCE	LABEL
PB 300 COS V06 E	VISUALAGE PACBASE OS390, CICS 3.0 V06
VM 300 ALL V06 E	MIDDLEWARE 3.0 V06
PD 300 ALL V06 E	PACDESIGN/PACBENCH 3.0 V06
IW 300 ALL V06 E	AD WORKBENCH 3.0 V06
VP 300 ALL V06 E	EBUSINESS TOOLS 3.0 V06

## Documentation

REFERENCE	LABEL
DELNT001303A	Installation Guide Windows/NT
DELNT002303A	The Administrator's Procedures Windows/NT
DELNT003303A	The Developer's Procedures Windows/NT

# **VISUALAGE PACBASE OS390, CICS 3.0 V06**

## **NEW FUNCTIONALITIES**

### **Batch System Development**

#### **BINARY usage for MVS OS/390: harmonize generators(C:022893)**

BINARY usage for MVS OS/390: it was necessary to harmonize generators

Now the 'C' usage produces the BINARY clause generation as soon as the program or screen variant is Cobol II ('X' variant).

#### **Data generation (GCD) : management of alias and segments with quotes for replacing(C:023040)**

Data generation (GCD) : Management of alias and segments with quotes for replacing

The data generation (GCD) now manages :

1) Alias:

DS code as A\* in FOG DATA call (same functionalities as the old RP0900 program given for MVS/CICS environment).

2) Segments with quotes to make replacing:

DS code as A' in the FOG DATA call.

### **Depth Extractor**

#### **Deep extractor: extracting segments turned into MSP parameters.(C:022786)**

PACX and deep extractor: when extracting a program with the ALL option selected, the segments which are now macrostructures parameters are also extracted.

### **On-Line System Development**

#### **BINARY usage for MVS OS/390: harmonize generators(C:022893)**

BINARY usage for MVS OS/390: it was necessary to harmonize generators

Now the 'C' usage produces the BINARY clause generation as soon as the program or screen variant is Cobol II ('X' variant).

#### **Pacweb Communication monitors (MW) adapted to Pacweb Java .(C:023197)**

Pacweb Communication monitors (MW) adapted to Pacweb Java. The length of messages has been converted to database 36 in all the Pacweb communication monitors.

## **Pacbase Web Connection**

### **Pacweb Communication monitors (MW) adapted to Pacweb Java .(C:023197)**

Pacweb Communication monitors (MW) adapted to Pacweb Java.  
The length of messages has been converted to database 36  
in all the Pacweb communication monitors.

## **Batch Procedures**

### **Journal retrieval(C:022567)**

Journal retrieval: it means PJ journal file retrieval (transactions sequential file) in the new 3.0 format. This retrieval is exclusively from 2.0 or 2.5 versions to 3.0 version. The retrieval of some transactions needs an information search in the 3.0 database. And the corresponding data may no more exist in the new database (deleted session or library for example). In that case, the old transaction will be retrieved in its 2.5 format.

### **Pacx-EXTR: the purpose is to have a file for non-extracted entities.(C:022606)**

PACX-EXTR: generation of a file for non-extracted entities (PAC7MX). This file can be re-used in input of PACX/EXTR.

## **PAC/TRANSFER**

### **TRRP : the list by session is taken into account(C:023385)**

TRRP : The list by session is taken into account. It will be possible to select a list by session, as it is possible with the EXPJ procedure.

## **VAPEAB**

### **EAB classes generation from segments description.(C:020527)**

The GCD generation command with the C3 option enables you to generate, as comments, information used in the Service Test Facility.

The data element description comes from :

- data element definition for characteristics such as element label, short label, type (character or numeric), length ..
- element description (-D) for value check, display type ...

# CORRECTED BUGS

## **Client/Server system develop.**

**Elementary component: insert in end server process - problem if more than 36 sub-functions.(C:023291)**

Elementary component - User processings inserted at the end of the server processing (\*C ES P): if there was more than 36 sub-functions, there was a problem in the sub-function lines sort.

Corrected.

**Client Comp: fields containing the length of used Logical Views display erroneous values.(C:023366)**

Client Component : declaration in working of the fields containing the information on the called Logical Views (length, ...), the field which contain the length of the View header part is erroneous for the second Logical View called if this latter is shorter than the first one. This is now corrected.

**Server call: called view occurrences number > of the calling server ones, A-CATM transfer problem(C:023485)**

Server call: if the view of the calling server has less occurrences than the view of the called server, the length of the action codes transfer is longer than the exact length of this area.

Corrected.

## **On-Line System Development**

**The FILE STATUS field is truncated at the pathsend return in the Pacweb Tandem Communications Monitor(C:022283)**

The FILE STATUS field is truncated at the pathsend return in the Pacweb Tandem Communications Monitor. To correctly process the errors specific to the hardware, a 'V-INFO' working area and the F81ET function are added to the PacWeb Tandem Communications Monitor.

In case of error at the pathsend return, the 'V-INFO' area is positioned as follows:

- . V-INFO-PROGE = name of the program being executed
- . V-INFO-CODE = SERVERCLASS\_SEND. V-INFO-XFUNCT= SEND
- . V-INFO-STATUS= error code

Note:

The STATUS field has a 9(9) format as in C/S Dialog.

**REWRITE function generated without 'With Unlock' clause in PWC communication monitor.(C:022900)**

The COBOL 'Rewrite' function in Pacbase Web Connection communication monitor was not generated with 'with unlock' clause for Tandem. In PWC communication monitor, TANDEM variant, the REWRITE clause has been completed in the working file with 'WITH UNLOCK'.

## **Pacbase Web Connection**

### **The FILE STATUS field is truncated at the pathsend return in the Pacweb Tandem Communications Monitor(C:022283)**

The FILE STATUS field is truncated at the pathsend return in the Pacweb Tandem Communications Monitor.  
To correctly process the errors specific to the hardware, a 'V-INFO' working area and the F81ET function are added to the PacWeb Tandem Communications Monitor.  
In case of error at the pathsend return, the 'V-INFO' area is positioned as follows:  
. V-INFO-PROGE = name of the program being executed  
. V-INFO-CODE = SERVERCLASS\_SEND. V-INFO-XFUNCT= SEND  
. V-INFO-STATUS= error code  
Note:  
The STATUS field has a 9(9) format as in C/S Dialog.

### **REWRITE function generated without 'With Unlock' clause in PWC communication monitor.(C:022900)**

The COBOL 'Rewrite' function in Pacbase Web Connection communication monitor was not generated with 'with unlock' clause for Tandem.  
In PWC communication monitor, TANDEM variant, the REWRITE clause has been completed in the working file with 'WITH UNLOCK'.

## **Pacbase Access Facility**

### **Binary zeros in the generated values for PAF.(C:021684)**

The presence of binary zeros in the generated values for PAF is problematic in some environments.  
This is now corrected.

### **PAF: Modify the index generation process in the pre-processor to handle the WHERE clause with U.E.(C:022802)**

PAF: Modify the PAF pre-processor so as to handle the WHERE clauses on user entities.  
Now, the WHERE clause type  
EXEC PAF DECLARE CU01 CURSOR FOR  
SELECT \* FROM YAUD07 WHERE  
COEU = CU00-COEU , where COEU represents the U.E, will  
handled properly.

### **PAF 2.5 v13-> v15 : -G lines of a UEO with calls of PIAs are not extracted (loop).(C:023195)**

PAF 2.5 v13-> v15 : -G lines of a UEO with calls of Parameterized Input Aids are not extracted (loop).

### **PAF: The extraction of user entity descriptions sends back the session number of the definition(C:023521)**

PAF: The extraction of user entity descriptions sent back the session number of the definition.  
The extractor will send, for each description line, the corresponding session number.

### **PAF: an extraction from the ECRXRLCDSC table triggers a loop in PAF extractor read.(C:023649)**

PAF: an extraction from the ECRXRLCDSC table triggered a loop in the PAF extractor read.  
Corrected.

## **Personalized Document. Manager**

### **PDM : do not send line number for method entities (Y4)(C:023178)**

PDM :

The free descriptions and graphs were not correctly printed.  
Corrected.

### **GDP: duplicating entities in GDP+(C:023307)**

When extracting entities via GDP+,  
some of them were duplicated at edition.  
The error has been corrected.

## **Batch Procedures**

### **EXLI KO with several \* cards concerning the same library but several frozen sessions.(C:022988)**

The result of an EXLI procedure with several \* cards  
concerning the same library but several sessions was wrong.  
Corrected.

### **CSES: abend during REST procedure because of entity codes "999999" in the database(C:023098)**

CSES: an abend occurred during the execution of the REST  
procedure  
when entities with "999999" codes were detected in the  
database. The error has been corrected.

### **PDM: \$DATF \$DATA \$DATE are no longer valorized \$Dacf only includes the century.(C:023105)**

PDM: \$DATF \$DATA \$DATE are no longer valorized  
\$Dacf only includes the century.  
This has been corrected.

### **DCO - Entities linked by relation on the screen: Only relations from -CR are printed.(C:023120)**

DCO - Entities linked by relation on the screen:  
Only relations retrieved from -CR screens are printed.  
Uses in description and Definition screens of User Entities  
are missing.

### **PC25: DBB wrongly with 'G' type will be converted in 'O' type in case of presence of some strings.(C:023210)**

PC25: DBB that should not be generation complements ('G')  
will get generation options ('O') in case of presence of  
some strings such as 'comma=yes','time=yes','retcod=06'....

### **RESY: 'IMPOSSIBLE CONNECTION. INCOMPLETE VERSION INSTALLATION' error message.(C:023403)**

RESY: ' IMPOSSIBLE CONNECTION. INCOMPLETE VERSION  
INSTALLATION' error message.  
The system restoration procedure re-initialized the product  
version. This has been corrected.

### **Print screen (DCO, DGC) disturbed if screen(s) call in the -CE of the screen(C:023410)**

Print screen (DCO, DGC) disturbed if there is screen(s) call in the -CE of the screen.

In case of screens call in the -CE of a screen, timestamp/called screens lock data were inserted in the layout description.

And the screen label in the titles was lost in the rest of the print.

Corrected.

### **RSAD or ROAD and RACF: wrongly access to the administration database(C:023507)**

During an administration database restoration, there is no read to the database files anymore.

### **PC25: The user entity definition is incomplete if the transaction is made in frozen session(C:023628)**

PC25: the user entity definition was incomplete if the transaction was in frozen session.

This happened if the first creation of user entity was in frozen session.

This has been corrected.

## **Miscellaneous : Online**

### **Error in DCS command(C:022821)**

Error in DCS command

DCS in I2: the label of the screen cross-referenced with the segment screen was erroneous, it was in fact, the label of the upper-level library.

The error has been corrected.

### **The creation of a user lock 'above' a technical lock creates a technical lock.(C:023077)**

LL Screen: the creation of a user lock 'above' a technical lock creates a technical lock.

This has been corrected.

### **Choices related to Relations and Meta-Entities are reserved to the site Administrator.(C:023094)**

Choices related to Relations and Meta-Entities are reserved to the base Administrator.

### **D..XP and S....XP: column header after the program identification line(C:023110)**

D..XP and S....XP: column header after each identification line of the programs.

DP EXTERN OARFU BLOCK T B M U RE SE L UNIT C SELECTION..

### **Logical lock creation: the update indicator value is 'M1' instead of 'C1'(C:023161)**

Logical lock creation on LL choice screen: the update indicator value was 'M1' instead of 'C1'.

Corrected.

# MIDDLEWARE 3.0 V06

## NEW FUNCTIONALITIES

### **Middleware**

#### **ITOC protocol replaced by IMS Connect(C:023135)**

ITOC is no more supported by IBM from IMS V7.  
A fundamental difference between ITOC and IMS Connect concerns the persistence of the Socket connection.  
IMS TOC systematically disconnects the socket connection with the client after each exchange. With IMS Connect, it is possible to keep the connection until the end of the conversation. This kind of connection is "persistent".

The IXO\_PERSISTENT parameter can be used to specify the persistence mode:

Y : persistent (default mode)  
N : non persistent

#### **Password modification in CICS Socket(C:023422)**

The first message sent by the Middleware to the Listener had the following structure:

- TransactionID X(4) Transaction to activate
- Separator X ,
- User code X(8)
- Password X(8)

Now, 2 new fields have been added to specify a request of password modification:

- NewPassword1 X(8)
- NewPassword2 X(8)

When these two new fields are filled in, the Exit Security program have to execute the password modification operations.

In fact, these two fields will have the same received value via the IXO\_NEWPASSWORD parameter from the Middleware.

Note: To be in phase with this password modification protocol, verify in the Exit Security program that the reception area of data transmitted by the listener (CLIENT-IN-DATA) has the following structure:

```
01    WS-USER-AREA
  02  WS-USERID          PIC X(8).
  02  WS-PASSWORD        PIC X(8).
  02  WS-NEW-PASSWORD-1  PIC X(8).
  02  WS-NEW-PASSWORD-2  PIC X(8).
  02  FILLER             PIC X(8).
```

To generate a user password modification request, the new password must be transmitted via the "newPassword" property of the MiddlewareAdapter object associated to a proxy which will be used to send some request to start the password modification processing by the Security Exit program.

When the new and the old password are the same, the new password is considered empty and no password modification request will be generated.

It's recommended to isolate the password modification request from other service requests and not use the MiddlewareAdapter object.

With VapGateway, for the moment, the only way to specify the new password is to fill in the IXO\_NEWPASSWORD parameter in vaplocat.ini, which is not advised considering the static

side of this parameterizing type.  
Waiting for the soon evolution of the GatewayAdapter  
interface, it will be necessary to use a different solution  
than the Middleware to change passwords.

# PACDESIGN/PACBENCH 3.0 V06

## CORRECTED BUGS

### Compatibility

#### **ILRTF: Adaptations to the modifications of the PDM procedure, option C2.(C:023183)**

The modifications provided on Host side on the PDM generation, option C2 (see c 23178) received the necessary adaptation on ILRTF.

The documents generated by ILRTF in version 2.5 remain identical in version 3.0.

### Non formatted description

#### **Display and print of Texts and NFDs under Windows 2000(C:021926)**

Under Windows 2000, some fonts can have unexpected behavior (Times New Roman in size 10, for example). This is the cause of perturbations during the display or print calculations which show up by unstabilization of the Text processor of the WorkStation.

The identified cases received the adequate reinforcement.

### RTF Local prints

#### **ILRTF: Adaptations to the modifications of the PDM procedure, option C2.(C:023183)**

The modifications provided on Host side on the PDM generation, option C2 (see c 23178) received the necessary adaptation on ILRTF.

The documents generated by ILRTF in version 2.5 remain identical in version 3.0.

### Text

#### **Display and print of Texts and NFDs under Windows 2000(C:021926)**

Under Windows 2000, some fonts can have unexpected behavior (Times New Roman in size 10, for example). This is the cause of perturbations during the display or print calculations which show up by unstabilization of the Text processor of the WorkStation.

The identified cases received the adequate reinforcement.



# AD WORKBENCH 3.0 V06

## NEW FUNCTIONALITIES

### Installation and procedures

#### **The Workstation in interpreted version(C:022376)**

The Workstation is now in interpreted version with JDK 1.3.

#### **SD, batch, eBusiness wizards deleted(C:023602)**

The SD, batch, eBusiness wizards have been deleted in the V06D version.

### Configuration

#### **The workstation is now running in interpreted mode with JDK 1.3.(C:022873)**

The workstation is now running in interpreted mode with JDK 1.3.

### Publishing

#### **Publishing(C:021491)**

Publishing

Instances of all entities managed in A&D Workbench can be printed.

A number of documents and skeletons are supplied in the delivered sample Databases (Administration and Development Databases).

For a complete documentation, refer to the online help.

#### **A DTD to generate XML schemas is supplied(C:023149)**

A new DTD to generate XML schemas is supplied.

#### **New management of the Publish button(C:023316)**

New management of the Publish button.

Now the Publish button is available when the entities definition panel is present only. It will be located near (after) the Update button.

The button is kept on the Workbench (with a different icon). This button will be used for general documents (lists...).

### Miscellaneous

#### **Development of attached piece notion, stored in the repository(C:023031)**

Development of the notion of attached piece, stored in the

repository.

**Entities linked by an extension relation are taken into account - for all the workstation entities(C:023254)**

Entities linked by an extension relation are taken into account - for all the workstation entities.

# CORRECTED BUGS

## Administration

### Delete the 'Possible to enter another user code' checkbox in the security browser.(C:023130)

Delete the 'Possible to enter another user code' checkbox in the security browser.

In the security browser (Administration), in the security system panel, the checkbox allowing the connection with another user than the connected one has been removed.

## Publishing

### Performances of data structure publishing(C:022295)

Publish a data structure : performances.

Problem of performance because there was as many bvlauncher as data elements.

Corrected.

## Miscellaneous

### The resource control type was not sent to the central system.(C:022977)

The resource control type was not sent to the central system.

When a security system is selected in the security browser, the default value displayed in the 'resource control' combobox was not taken into account.

Corrected.

### Incorrect display of a PIA called in comments of another PIA(C:022979)

A PIA called in the comments of another PIA was wrongly displayed.

If a PIA was called in the comments of another PIA, the display of this PIA detail was not correct in consultation on the workstation.

In fact, there was a NullPointerException in the metamodel.PacbaseDomainModel.filterA method.

Corrected.

### Erroneous error label for the creation of a user relation.(C:023029)

Erroneous error label during the creation of a user relation

User relation creation: if the short label was too long, the error message was erroneous. It was "Short label too short" instead of "Short label too long".

Corrected.

### Preference menu, root directory of the image : enter a path should not be possible(C:023121)

Preference menu, root directory of the image : a path could be entered instead of a directory code. So that a reconnection was impossible and the environment was lost.

Corrected.

**A property with a format can not be used in a meta composition(C:023177)**

A property with a format can not be used in a meta composition.

Use a data element, with a "property" type, to define the composition of a meta entity does not give any result. There is no error message neither information. Yet the property has a format. In TP mode, this operation is possible.

Use a property with a format should be possible.  
Corrected.

# EBUSINESS TOOLS 3.0 V06

## NEW FUNCTIONALITIES

### **Proxy functionalities**

#### **JDK delivered with VA Pacbase 300 now used to execute eBusiness tools (vapgen, stf,...)(C:023047)**

The eBusiness tools (proxies generator, test tool, location editor) use the JDK delivered with VAP300 to run.

So the JRE is no more delivered with the eBusiness tools (eBusinessTools\jre).

#### **Location file (vaplocat.ini) input with the location editor(C:023096)**

The eBusiness proxies generator does no more generate the location file (vaplocat.ini) for eBusiness entities based on the VA Pacbase 300 model.

For proxies generated for the VA Pacbase 250 model (based on O entities), the location file is still generated.

#### **LOCATION EDITOR: expert mode to create and update communication monitor(C:023642)**

The -expertmode option to start the location editor launches the editor in a mode allowing the creation and modification of communication monitors.

This mode is expert because the editor is usually initialized by an existing location file or GVC file (eBusiness proxies extraction) containing the communication monitors characteristics specified in VA Pacbase.



# CORRECTED BUGS

## Communications

### **COM Proxies runtime adaptation to SZ300V06\_1middleware (fix for VM300V06)(C:023620)**

COM Proxies runtime adaptation to SZ300V06\_1middleware

This adaptation causes already compiled COM Proxies to be no longer compatible with the runtime.

To ensure their compatibility, recompile these Proxies.

## OCX Client

### **COM Proxies runtime adaptation to SZ300V06\_1middleware (fix for VM300V06)(C:023620)**

COM Proxies runtime adaptation to SZ300V06\_1middleware

This adaptation causes already compiled COM Proxies to be no longer compatible with the runtime.

To ensure their compatibility, recompile these Proxies.

## Proxy functionalities

### **COM Proxies runtime adaptation to SZ300V06\_1middleware (fix for VM300V06)(C:023620)**

COM Proxies runtime adaptation to SZ300V06\_1middleware

This adaptation causes already compiled COM Proxies to be no longer compatible with the runtime.

To ensure their compatibility, recompile these Proxies.



