VisualAge Pacbase

Help to upgrade Pacbase 1.6 and DSMS 1.5 to 2.0 version

TABLE OF CONTENTS

To take advantage of the enhancements carried out or to insure the compatibility of the produced applications and the administration procedures developped by the users, once the database retrieved in 2.0 release, users eventually have to modify their programs and their tools, before giving the repository back to the developers.

This document is a complement of the document 'Help to upgrade Pacbase and/or DSMS to release 1.5 or 1.6'. And the purpose of this document : to give the changes lists since the 1.6 release of VisualAge Pacbase and 1.5 release of DSMS and to show the impacts:

regarding PACBASE :

. the generated cobol, coming from the different generators (Online, batch, DATA, SQL, DBD, CSSD),
. the dictionary, PAF programs, batch procedures, the documentation.

Regarding DSMS :

. general modifications, batch procedures,
. tables,
. queries and layouts.

Each change is stamped as follow:

. Evolution :   no ascending compatibility problem
. Correction :   no ascending compatibility problem
. Impact :   problem of processing compatibility could possibly be faced, or administration problem.

PREAMBLES

Retrieval procedures for releases older than the 802 02

Retrieval procedures are not given for Pacbase releases older than the 802 02 version. A specific internal package will be released for that issue. The involved procedures are:

. retrieval from PAC700, 7.3, 8.0,
. YSM retrieval,
. conversion of user manuals into volumes.

Batch procedures

Some files' physical characteristics have changed and some procedures have been modified (JCL). Please refer to the installation manual.

New procedure PACX

This procedure takes over the following ones, whose programs are no longer delivered:

EXLI : Library extraction
EXTR : Entity extraction
EXPJ : Transaction extraction from the journal
EXPU : Extraction of unused entity for purge
RMEN : Rename/Move entity
EXUE : Extraction of user entities
EXSN : Sub-network extraction

Procedures no longer maintained

TRDQ : Conversion of DBD blocks into SQL blocks
ECSP : CSP dictionary extraction
UPAE : AE file update for XPDM (included int he PARM procedure)

Files

The Pacbase journal (AJ, PJ) and PEI (AB,AC,PP) files have been modified. Regarding the journal, two characters have been added (century), and an optional retrieval procedure is available (for those who want keep the old input transactions).
Regarding PEI files, a retrieval procedure is supplied.
Moreover, Some files' physical characteristics have changed. Please refer to the installation manual.

PAF Module

For PAF module, it is advice to re-link the programs calling PAF sub-programs in a static mode, to take advantage of the latest evolutions of those sub-programs.

Regarding DSMS:

. internal dates:a retrieval procedure is supplied and all internal dates are now 8c long.
*. **existing querries**: an override is possible, if the query prints dates. The localisation of the year in the layout has not been modified, but the date is now 4c long.*

PACBASE 2.0

Compatibility

Number : 009502   **Platform : All**
  Impact

GDP modified for local edition of reports.

To get a local edition of report, users have to ask a volume generation (PCV) with 'C2' option. The GPRT procedure gives back a new file PAC7G6 which has to be transferred to the workstation.

Number : 014431   **Platform : All**
  Impact

   ARCH: user entry values have changed.

This affects optional entries:

- Absence of transactions that had been previously archived.
- Unavailable data file (AR).
- Re-initialization without archiving.

These values are documented in the Operation Manual.

Environnement and Installation

Number : 012975   **Platform : All**
  Evolution

Starting from the 2.0 release, VisualAge Pacbase access keys have been modified: there is only one key now of 60c long (no longer batch key or online key).

Number : 014522   **Platform : All**
  Evolution

A new PMS date processing has been written to handle the century: AADC10 which takes over AADA10, AADC30 which takes over AADA30 and AADC40 which takes over AADA40. This PMS is available within the test PC file shipped , and also as input transactions for UPDT procedure.

Batch System Development

Number : 012380   **Platform : All**
  Evolution

Using 'T' parameter, the connexion change number and the DSMS product code are taken into account in control cards.

Client/Server system development

Number : 014472 **Platform : All**
Correction

Correct generation of SRVE service when a logical view does not contain a segment being updated and at least one segment used in validation/update as 'L' in a server.

Previously, the read access command with a use in validation/update value of 'L' was not generated.

Number : 014500 **Platform : All**
Correction

Removal of data check in the server, for the selection service. This check used to cause an error (undue check error) when a TUI or GUI client component requested a service of selection and update with check on Logical View data.

Number : 014776 **Platform : All**
Correction

COMMUNICATION MONITOR GENERATION (MV): for TUXEDO :

External name of the Error Label Server used if this name exists on this server definition screen. Otherwise, the Error Label Server pacbase code is used.

F25AC sub-function:
Correction of the 'IF' statement (looking for errors, back from the logical view server):   If it exists errors, the Error label Server is called just to get back the error labels.

Personalized Documention Manager

Number : 009502 **Platform : All**
Evolution

GDP modified for local edition of reports.

To get a local edition of report, users have to ask a volume generation (PCV) with 'C2' option. The GPRT procedure gives back a new file PAC7G6 which has to be transferred to the workstation.

Number : 014752 **Platform : All**
Evolution

PDM : 3 new parameters have been created for century purposes:

$DACE : date with century, format depending on the language used in the Pacbase database
$DACA : US date format : MM/DD/CCYY
$DACF : European date format : DD/MM/CCYY.

Pacbase Access Facility (PAF)

Number : 014544   ***Platform : All***
Impact

> PAF : FROZENSES table, the frozen session date has been increased of 2 c in the area given back by PAF extractor.

Production Environment Interface

Number : 013872   ***Platform : All***
Impact

> Century taken into account in the PEI module.
> The century is added internally in all the files specific to PEI (AB, AC and PP). The save file (PP) must be retrieved (PACR90).
> The century is added to all the report dates.
> On the screens, the dates are displayed with the century. It is why the LSEP screen has less columns in the production part (user code and production session date removed as they are identical for each line, only the production turnover mode is kept).

Number : 012879   ***Platform : All***
Correction

> HIPE with 'X4' freeze request: the freeze label and session number were not taken into account when entered.
> Corrected.

Batch procedures

Number : 012537   ***Platform : All***
Impact

> Lower than blank characters replaced by blank in the input transactions of UPDT.

Number : 012863   ***Platform : All***
Impact

> Batch procedures reports:
>
> In all VisualAge Pacbase procedures reports, the dates will be displayed with the century.
> The generation date of the report printing program will be also displayed with the century.
> La date de génération du programme d'édition fera également
>
> All the screens have been modified.
>
> The database code is displayed on the first report layout, when procedures have several reports.
>
> This has been done for the following procedures:
>
> . ARCH (transactions archiving),
> . MLIB (Database management),
> . QREO (database quick-reorganisation),
> . REOR (database reorganisation),
> . SASY (database system backup),
> . SAVE (database backup).

Number : 013014   *Platform : All*
   Impact

Evolution of the session-compression utility :

1- User input used to force the session numbers after a compression are now supported (Search of sessions in the Database instead of the PC Backup file, so as to avoid a Reorganization.)

2- If, in the PJ Journal file, the DSMS Backup file or the DSMS Journal file, frozen sessions were purged, the session type is forced to 'Y'.

3- Support of the Pacbase-Pactable files.

4- Storing of the old frozen session number in the last five characters.

Number : 013563   *Platform : All*
   Impact

PACX Procedure:

This extraction procedure outputs occurrences formatted for UPDT, UPDP, and CPSN input.

PACX has two execution modes:

- Simple extraction (EXTR equivalent); the occurrence only is extracted,
- X-Ref based extraction; the extracted occurrence draws along all of its called occurrences which may themselves call other occurrences therefore extracted in turn, until called occurrences are no longer found. It is possible to modify the extraction scope by selecting or excluding entity types.
- Libraries extraction (EXLI and EXSN equivalent),
- Journal extraction (EXPJ equivalent),
- Entities extraction for deletion (EXPU equivalent),
- User Entities Occurrence extraction (EXUE equivalent),
- Entities extraction to rename, move or replace (RMEN equivalent, with in addition, the replace option).

Number : 014431   *Platform : All*
   Impact

ARCH: user entry values have changed.
This affects optional entries:

- Absence of transactions that had been previously archived.
- Unavailable data file (AR).
- Re-initialization without archiving.

These values are documented in the Operation Manual.

Number : 014694   *Platform : All*
   Impact

Generation of Tables description from VisualAGe Pacbase

The GETA/D VisualAge Pacbase release 2.0 procedure generates two files:

- one for release 2.0 tables descriptions,
- one for older releases tables descriptions.

The user will choose the right file depending on the Pactables module version he is running (2.0 or older than 2.0) to assign it as an input file of the GETT Pactables procedure.

Number : 012859   **Platform : All**

Correction

EXPU: the logical deletion was not selecting the obsolete macro-structures if they still had comments in -XP.
This has been corrected.

Number : 013812   **Platform : All**

Correction

When EXTR, EXLI, and CPSN are not PARM-controlled, extracted occurrence update locks were systematically owned by the user identified in the proc *-type line, even though the 49th character in this line requested a different lock transfer option.
This option is now taken into account.

Relational DBD

Number : 013655   **Platform : All**

Evolution

SQL Block: Several lines may be used for options provided that they be the first lines in the '-G' screen.
Lower/Uppercase conversion is performed on these additional lines.

The definition of the options could be defined on 'O' type line, that will impose the Lower/Uppercase conversion. Options defined on the first line (as now) will also be taken into account but as the Lower/Uppercase conversion is not performed, it is not recommended to do that..

Security Systems Interface

Number : 011834   **Platform : COS**

Correction

On the Generation-Print screen, it is possible to modify the password. If the password was entered on the connection screen, this newly entered password was replacing the PACBASE check 'internal' password. This modification of the 'internal' password was only effective for the first modification. In other words, if an error was committed, the 'internal' password was erroneous and problems could occur later on. (i.e., library change in RACF).

Miscellaneous

Number : 012379   **Platform : All**

Evolution

From now on, the PACBASE connexion change number will be transferred on the GPRT input identification line (*). The user will then be able to retrieve it via optional control cards.

Number : 012963   ***Platform : All***
Correction

-LAL in a Segment: the display areas of the Data Elements lengths and positions were not aligned with the column header.
Corrected.

Number : 013049   ***Platform : All***
Evolution

Insertion of cards before/after on the generation of the error messages (GEO,GED).
With the FLE command, you can now insert cards before/after on the error messages generation commands.

Number : 012411   ***Platform : All***
Correction

CH://MLCOBJ is invalid because it is translated in LCM, this in TP. //MLCOBJ now gives LMO.

DSMS 2.0

Compatibility

Number : 011078   *Platform : All*

From now on, types (TTY) could be different depending on if it targets a Change or an Event.

This impacts the files structures and makes necessary the retrieval procedure of DSMS 2.0.

This procedure will duplicate existing types for both Events and Changes.

Number : 011079   *Platform : All*

The type code of Events or Changes is now 2 characters long instead of one.

This impacts the files structures and makes necessary the retrieval procedure of DSMS 2.0.

Changes

Number : 011839   *Platform : All*

A new External Reference field is added to the Change Definition screen.
The corresponding data can be accessed by VisualAge Pacbase in the DC file.

Batch Procedures

Number : 014370   *Platform : All*

DUPT Procedure :

The B action code used in batch transactions, will also delete all the definition data of the targeted event or change. The number could be reused (as a creation, but using an existing number).

DXBJ : parameter input card news

We will be allowed to choose the type of the generated user card on top of the extracted transactions:

- column 40: ' '
they will have the user code of whose did the update, without password,
- column 40: 'T'
same as ' ', but with the user password, if the authorization for tables of the connected user is set to 4.
- column 40: '1'
all the user card generated will include the user code read in columns 41-48 and the password read in columns 49-56.

- columns 41 to 48 : User code for type '1'

- columns 49 to 59 : password for type '1'.