IBM

VisualAge Pacbase and Year 2000
Checklist of your versions
IBM OS/2 Platform

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INTRODUCTION

The purpose of this document is to make a checklist of all **VisualAge Pacbase, DSMS, Pactables** and **WorkStation** Releases running on our customers' sites and

determine for each of these releases :

- Year 2000 readiness

- Year 2000-related problems,

- Year 2000-related fixes.

Releases 2.0 and 2.5 are taken into consideration in this document.

Reminder : **all the VisualAge Pacbase, DSMS, Pactables and WorkStation releases earlier than 2.0 are not Year 2000 ready.**

This document is also available on the Technical Support Internet Web site, http://www.ibm.com/software/ad/vapacbase/support.htm.

It will be regularly updated until the end of the year to inform you about any new refresh, problem or further enhancement related to Year 2000 rollover.

VisualAge Pacbase 2.5

Refresh	Year 2000 Compatibility	Correction of non blocking problems relating to Year 2000	New functionalities relating to Year 2000
V02	Yes		
V04	Yes		
V05	Yes	Generation of Reversed Programs: take into account the Date operators handling the century (17415)	
V07	**NO**		
V08	**NO**		
V09	Yes	Msp AADC10 and AADC30 (dating): 1900 was identified as a leap year (17765) Taking into account of time (TIF and TIM) and date processing operators in all entities of Monitor type (17498) Windowing for century processing : value set to blank (18240) Correction of the display of the date in online and batch servers for Year 2000 (18692).	Processing of the Century in the current date and modification of the windowing at the Library level (17654). Machine date with century: use of CURRENT-DATE function in all systems (18036) New date conversion operators in Reports (18635).

NEW FUNCTIONALITIES 2.5

18036 : Machine date with century: use of CURRENT-DATE function in all systems.
Machine date with century: use of CURRENT-DATE function in all systems when the value entered in the 'CENTURY SYSTEM DATE' field is 'C'.

18635 : New date conversion operators in Reports.
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..

17654 : Processing of the Century in the current date and modification of the windowing at the Library level.
Process. of the Cent. in the current date and windowing. Addition of two fields in the Library Definition screen.
Reference year for the calculation of the century (default value = '61'), value taken for the initialization of the working areas used in the various generators to adapt the century when modifying a 6-character date.

Retrieval of the System Date :
      = 'N' default value (no modification)
      = 'C' the Cobol generated from ADT and ADC operators will be adapted to retrieve the System Date with Century. Use of new cobol functions or calculation of the Century depending on the reference year (all cobols concerned).
      = 'W' for the cobol 74 variants, the CENTUR field will be fed from a table described in Working (this table contains 20s and 19s depending on the WINDOWING YEAR VALUE)..

CORRECTED BUGS 2.5

17415 : Generation of Reversed Programs: take into account the Date operators handling the century.
Generation of Reversed Programs: take into account the Date processing operators enabling the century adaptability (ADT - AD0 - AD1 - AD2).

17498 : Taking into account of time (TIF and TIM) and date processing operators in all entities of Monitor type.
Taking into account of operators for time (TIM and TIF) and date processing operators (ADT - ADC - ADx) in entities of Monitor type : generation of working areas for these operators.
Compatibility with the existing : If the user uses these operators and declares the required working areas which are now generated automatically, declarations can be double.

17765 : Msp AADC10 and AADC30 (dating): 1900 was identified as a leap year
Msp AADC10 and AADC30 (dating): 1900 was identified as a leap year, which brought about dating errors.
The error has been corrected.

18240 : Windowing for century processing : value set to blank.
Windowing for Century processing : the value of the windowing is set to blank instead of 61 by default. Corrected.

18692 : Correction of the display of the date in online and batch servers for Year 2000. (OS/2, Intel Windows/NT)

DSMS 2.5

Refresh	Year 2000 Compatibility	Correction of non blocking problems relating to Year 2000	New functionalities relating to Year 2000
V03	Yes		

WORKSTATION 2.5

Refresh	Year 2000 Compatibility	Correction of non blocking problems relating to Year 2000	New Functionalities relating to Year 2000
V01+ fix SP250***V0Z	Yes		
V03+ fix SP250***V0Z	Yes		
V04+ fix SP250***V0Z	Yes		
V05	Yes		
V06	Yes	Printing of dates in the WorkStation outputs (18938) Date edition in the GSCOM trace (18942) Upload of occurrences modified in 2000 (18959)	

Fix SP 250 *** V0Z corrects bug 15244, blocking bug after 1/1/2000.

CORRECTED BUGS

15244 : Local lists: Year 2000 readiness

Date data saved in the local lists during downloading and uploading of occurrences is now Year 2000 ready.
Note: the century is not displayed in the "Information" box.

18938 : Year 2000 : Printing of dates in the WorkStation outputs

Printing out dates of January 1st, 2000 and later will be correct in any WorkStation output.

18942 : Date edition in the GSCOM trace

In the GSCOM trace, the date is now edited in the dd/mm/ccyy format.

18959 : Upload of occurrences modified in 2000 (Windows 95 environment)

When the user wanted to upload a description downloaded in 1999 and modified in 2000, the WorStation might, in some cases, refuse the upload.
The identified cases have been corrected.

VisualAge Pacbase 2.0

Refresh	Year 2000 Compatibility	Correction of non blocking problems relating to Year 2000	New functionalities relating to Year 2000
V02	Yes		
V06	Yes (*)	Tandem screen: access facility for indexed files - Wrong location of century initialization (15437)	PACTABLE access: the century is recognized (13255) GETA/GETD: Recognition of new 'M' and 'N' Data Structure types dedicated to Pactables (15602)
V09	Yes (*)	DCOB procédure: date of reports printed with century (16140)	
V13	Yes	G-... fields mistakenly generated for Table 2000 (16513) Pactable access to YEAR 2000 tables; erroneous length of the communication area (16605) IMS Monitor: no declaration of DAT-CTYD field (16766)	
V14	Yes		
V19	Yes	Erroneous dates printed on some Pacbase reports (18761) Correction of the date displayed in the batch server (18789)	

* : version not compatible if use of Year 2000 Pactables tables (nature code 'M' or 'N')

NEW FUNCTIONALITIES 2.0

13255 : PACTABLE access: the century is recognized
Generated PACTABLE access: the century is recognized. The communication area between the Pacbase generated applications (programs, screens and client/Server entities) will be modified to accept an historical account date on 8 characters. This modification will be performed on 'M' and 'N'-type Pactable data structures; these values correspond to the 'G' and 'T' values which already exist. (See change 15602).

15602 : GETA/GETD: Recognition of new 'M' and 'N' Data Structure types dedicated to Pactables
New Data Structure types dedicated to Pactables are available:
 - 'M': table with historical account, with century
 - 'N': table without historical account, with century
They are recognized in GETA and GETD procedures.

CORRECTED BUGS 2.0

15437 : Tandem screen: access facility for indexed files - Wrong location of century initialization
Tandem screen: access facility for indexed files: duplicate lines are wrongly generated.
Tandem screen: century initialization in F0110 located after the current date retrieval. Corrected.

16140 : DCOB procédure: date of reports printed with century

16513 : G-... fields mistakenly generated for Table 2000
G-... fields have been mistakenly genetared for Table 2000.
For a "p" generation type of segment in a -CS screen, G-xxxx-xxxxxx fields are mistakenly generated for Table 2000, that is to say data structures of "M" or "N" type.

16605 : Pactable access to YEAR 2000 tables; erroneous length of the communication area
Pactable access to YEAR 2000 tables; the length of the communication area is 73 and no longer 60. Corrected.
This modification needs to use PB200***V12 and PT200***V05 versions or later.

16766 : IMS Monitor: no declaration of DAT-CTYD field
IMS Monitor: the DAT-CTYD field is not declared in the Working Section, whereas it is used by the orders generated by the ADT operator. Corrected.

18761 : Erroneous dates printed on some Pacbase reports

18789 : Correction of the date displayed in the batch server : Y2K

DSMS 2.0

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WORKSTATION 2.0

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V03+ fix SP250***V0Z	Yes		
V04+ fix SP250***V0Z	Yes		
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