NEW FUNCTIONALITIES

Installation and procedures
IBM 32-bit SDK for Windows, v1.3.1 using in Developer Workbench *(C:024685)*
IBM 32-bit SDK for Windows, v1.3.1 using in Administrator Developer Workbench.
'Station_All' module delivery.
(C:024790)
This module covers all the Developer Workbench functionalities.

Available with 3.5 V01 version.

Administration
'Del' key forbidden for the access keys
(C:024512)
'Del' key forbidden for the access keys.

The key is activated if the deletion is possible only.
BVPHelpDesk document: document for the Technical Support after entering an Access key *(C:024536)*
BVPHelpDesk document: document for the Technical Support after entering an access key.
The 'BVPhelpDesk' document is used to visualize the characteristics of an access key. It is accessible by the users but it is essentially for the Technical Support.
It contains, in particular, all the generation targets.
During an access key entering, when all the generation targets are entered, a message informs the client that he must publish this document and send the result to the Technical Support.
This document can be published at any time.
Another document, 'access key', more 'client' oriented, is also provided.

Description of key input
(C:024812)
A new access key, provided by the support, can need to be entered for several reasons:
. first installation,
. renewal,
. modules lending,
. following an input error.
In case of input following an error, the key order number is equal to zero. Conversely, it is a series, the number is incremented (this number is an integral part of the key, and so is codified).
On receiving the new access key, it must be entered as following:
. open the smartguide to enter the key. Once the key is correct (sufficient characters number, key not yet entered,..), the 'Next' button is ungray. Its activation starts an immediate upload for decodification.
Then, locally, the 'Designer', 'Developer', 'Text UI' and

'Reader' use rights are created (if the number of licenses
is not null), as the 'eBusiness' and 'Traditional' build
facilities use rights expected in the key. And then,
a new window appears:
'Generation targets matching':
. this window is active (i.e. a user action is needed)
for a renewal or lending only.
When necessary elements are defined (either
automatically or by the user himself), the 'Next' button
is ungray. Its activation displays a last window which
contains the final status of the chosen generation targets,
dispatched on different use rights.
The 'Finish' button is active if the key is valid only.
Its activation starts the upload of the created access key.

Management rules:

1 - For renewal, it is possible to redispatch the active
key targets within the use rights. If the number of targets
has decreased, a choice will have to be made among the
active key ones. If the number has increased, all the active
key targets are redispatched and the missing ones will have
to be defined, after the key entering. If it is equal, all
the targets are recovered, possibly after the redispatching.

2 - For a first installation or following an error,
all the targets are to be defined.

Activation of a key
(C:024814)
Activation of a key
An access key can be activated if the following conditions
are respected:
. It is not the active key,
. The expiration date is not reached,
. The generation targets of all the features are defined,
. It is the last of the series (highest order number).
An activated key is immediately taken into account for all
the other connected users.
A key activation modifies the active key label which
becomes ARCHIVE. In the same time, the label of the key
newly activated changes from ARCHIVE to ACTIVE.
When a key is activated, as all the licenses are linked to
a key, more or less complicated processings are performed.

Modification of the licenses number

If the licenses number of a Use Right, build type or not,
of the key to be activated is less than the licenses number
corresponding to the active key, the active licenses
counter of this license is set to zero and all the last
connection dates of the associated licenses are set to
spaces.
If the number does not change, or if it is higher, no
modification is performed.

Modification of a 'Build Facility' License

If the key to be activated has an instances number
different from the Use Rights of the active key, before
activating this key, a matching between the two keys is
performed. The purpose is that after the key activation,
all the users, or at least most of them, who previously
had a license, benefit from a non-disrupted VA Pac access.
To do this, a smartguide is opened with two panels:
. The first displays the list of the active key Use Rights,
the list of the future key Use Rights and the matchings.
When closing the smartguide, the following processings are
preformed:
. All the active key licenses for which a current/future
use rights matching exists, are modified:
. The belonging key becomes the key to be activated,
. The Use Right is replaced by the one defined in the
matching table of the smartguide,
. All the active key licenses without matching:
. The belonging key is not modified,
. The Use Rights are not modified,
. The current owner becomes the previous owner,
. The current owner is set to spaces and the corresponding
user is modifid to delete the license.
. The key is activated.

Final processing

All the active key licenses without owner must be
modified to no more be linked to the newly activated
key.

Attribution of a license to a User
(C:024815)
The attribution of a license to a user gives to the user
the use rights relating to the license. For example, if a
'Developer' license is attributed, the owner of this license
can connect to the Workbench and use it (according to the
authorizations granted by the administrator).
But this license does not give the authorizations to
generate programs, screens, ... To do this, he must be
attributed a 'Build Facility' type license.
A license has its own existence. It is created as and when
needed from the active key information, or if it exists,
from the next active key (the one which is just activated).
From the users list, the popup menu for the selected user,
allows to attribute or remove licenses with the
"Attribution/Remove to a group of users" menu choice.
This action opens a smartguide. The first page contains
three panels:
. The top-left panel displays the list of Use Rights
which are available for this active access key,
without taking the number of licenses already attributed
into account, as the controls are performed at connection or
for the attribution,
. The bottom-left panel contains the free licenses,

i.e. the licenses which have been attributed and removed.
. The right panel displays the licenses attributed to
the user.
Between these panels, arrows can be used to attribute or
remove a license:
. Bottom right arrow: attribution of a free license.
This creates a license for this user and modifies
the license information such as the attribution date and
the owner user code.
. Top right arrow: attribution of a new license. A license
creation is possible only if there is no free
license for this use right.
. Bottom left arrow: removing license. This removes the
corresponding description line on the user and modifies
the license which becomes feee (previ ous owner equal
to the user code, owner code set to spaces, attribution date
set to spaces, but, last connection date not changed).
The attribution of a Designer, Developer or TUI user
license is possible if there is no Reader license
already attributed.
The attribution of a Reader license is possible if
there is no Designer, Developer or TUI user license already
attributed.
Note: the number of transfers of a license from a user to
another user is limited to 3.
When this number is reached, the attribution of such a
license is possible for the last owner user only.
Otherwise, this license will be available again
after three months of inactivity.

Attribution of a license to a group of users
(C:025366)
Attribution of a license to a group of users.

From the list of purchased rights of the active access key,
it is now possible to grant a license of a purchased right
to a group of users.
To access the corresponding wizard, select the concerned
Right and then select the "Attribution to a group of users"
choice (pop-up menu via mouse right click or 'License
Rights' menu).
Once you have selected a users group for a purchased right,
if one of the users already has a license for the selected
right, then a message appears after the name of this user.

**The timestamp has been added on the access key
Definition.** *(C:025452)*
The timestamp has been added on the access key
Definition.
If there is more than one Administrator on the site,
it is useful to know who made the last update.
This is the reason why the timestamp has been added.

**Publishing: the publishing of a user has been
completed** *(C:025457)*
Publishing: the publishing of a user has been completed.

The publishing of a user takes in account the new licenses, the connections. Moreover, the list of authorizations on the environments is now published.

Multi-selection for the attribution of licenses to a user *(C:025592)*
Multi-selection possible for the attribution of licenses to a user.
The attributing licenses smartguide contains 3 panels:
. the site use rights (on the top left),
. the free licenses (i.e. existing, but not attributed) on the bottom left,
. the use rights given to the user.
The multi-selection is possible in the site use rights panel, with the following rules:
. if the selection is unique, the button used to add is accessible only if the use right is not already attributed and if the 'Reader/not Reader' licenses compatibility rule is respected,
. if the selection is multiple, this button is systematically accessible, but the attribution must respect the rules above.
The given use rights panel allows the multi-selection without particular constraint.
The free licenses panel does not allow the multiple selection.

Admin: Licenses: Receive a warning message for the third transfer *(C:025649)*
Admin: Licenses: Receive a warning message for the third transfer.
The Administrator is now informed at the third transfer of a license that this transfer is the last one and that it will no more be possible to attribute this license to another user, except to the last owner.

Dev. Workbench - all modules
Assigned text display function
(C:024936)
Assigned text display function.

This function in A&D Workbench is equivalent to the -AT screen choice in online mode.
Each entity contains a new tab displaying the text lines assigned to it.
This is the result of a request on the repository for a library and a view type of the database.
From a line, the user can go on the text composition.

Comments/Texts: the text search function is available *(C:025503)*
Comments/Texts: the text search function is available via the CTRL+F and F3 keys.
CTRL+F : Opening the search panel
F3 : To continue the search (find next)

Key, license

'Del' key forbidden for the access keys
(C:024512)
'Del' key forbidden for the access keys.

The key is activated if the deletion is possible only.

Licenses 3.5 management
(C:024761)
General presentation

The licenses management has been modified for the version
3.5 compared with the version 3.0.
Before, each generation target was a feature of the command.
Now, for each 'Build Facility', 3 possible features only
exist:
.Mono-target, its licenses number n, and the instances
number p, (n licenses to spread over p Traditional BF
Mono-Target).
.Bi-target, its licenses number, and the instances number.
.Multi target, and its licenses number, and the instances
number.
When VA Pacbase is ordered, an access key is sent. It is
created with the information provided in the order.
In this context, the generation targets will be chosen at
the access key installation (input).

Definitions

Facility : corresponds to an option, on top of the
repository, that can be ordered. For example, it contains
'Analysis and Design Facility' which corresponds to
Pacdesign/Pacbench, 'Build Facility' which corresponds to
the generators (batch, dialog, DBD...).

License type: characterizes (particularizes) a Facility.
The different License types are:
. User Interface:
- Designer,
- Developer,
- Text User Interface,
- Reader,
. Generation Right (Batch):
. Traditional Build Facility (Batch generator)
mono-target, bi-target or multi-target,
. EBusiness Build Facility (eBusiness generator)
mono-target, bi-target or multi-target.
This represents a connection right to the repository.
A user interface connection to the repository is used to
consult/enter information (AdWorkbench,...). A Batch
connection to the repository is used to operate on the
information (generators).

A Bi-target license is an extension of a mono-target

license. And, a multi-target license is an extension
of a bi-target license.
It means that a bi-target license can only be bought in
complement of a mono-target license. And a multi-target
license can only be bought in complement of a bi-target
license.

Use Right: a Use Right represents an instance of a license
type.

Target: corresponds to a generation environment. Depending
on the chosen build facility (generator), the definition is
different. For a 'Traditional Build Facility':
1 target = 1 OS + 1 online monitor + 1DBD (optional)
(ex: IBM MVS, CICS, DB2),
For the 'eBusiness Build Facility':
1 target = 1 OS + 1 online monitor + 1DBD (optional)
+ 1 Object-oriented language + 1 middleware
(ex: IBM MVS, IMS, DL1, Java, MQSeries).

License: a license is a right, granted to a user, to use a
Use Right. Licenses are bought per License Type. The number
of bought licenses always corresponds to a total number
for a License type (that the administrator can spread
over several instances of this License type).

Series of Access keys
A series of Access keys is defined by a set of access keys
all having the same characteristics (licenses number,
modules, date), but with a different order number.
An access key with an order number different from zero can
no be delivered by the Support, or except to fix an input
error in the definition of the generation targets. The
order number must be ascending, with or without gaps.

Management rules

Features choice

A customer can buy n Licenses for a same build facility,
with m having the same type. For example, when two companies
have merged, it is possible to keep the generation targets
of each company. So, 50 licenses can be bought and to be
spread over 3 Traditional mono-target and 50 licenses over
Traditional bi-target.

Generation targets choice
Mono-target: one target combination only, chosen one
and only once, and that can not be modified.
Bi-target: two target combinations can be defined.
They cannot be modified after they have been saved.
One of the two targets MUST be one of the mono-targets.
Multi-target: the combinations number is not limited
and they can be modified.

Feature transformation

A key modification without mono or bi-target
modification does not allow to modify the targets
initially chosen.
Changing a mono-target into bi-target keeps the mono-
target configuration and allows to modify the second
target only.
Changing a bi-target type into multi-target proposes the
two first targets. The customer can modify these targets.
Changing a multi-target into bi-target proposes the list of
targets already used. Only two of these targets will be
kept.
Changing a bi-target into mono-target proposes the two
targets but only one is to kept.
All the chosen targets must be kept in the database.

Licenses
Attribution rules for the Build Facility licenses are the
same as for the other licenses (blindly attribution and
controls at connection).
A Build Facility license is activated the first time a user
connects to the repository, whatever the connection type
(Dumb terminal or AD Workbench but not Design).
The used target is controlled when generating, according
to the license assigned to the user (and to the target(s)
associated to the license) who has requested the generation.

Access key
Changing an access key with decreasing of the users number
re-initializes the licenses counters and the activation
indicators of all the users.
Changing an access key with feature modification for a
build facility re-initializes the licenses counters of the
concerned build facility and the activation counters of the
users who have an active license for this build facility.
An access key cannot be activated twice.

Active key
The active key is not necessarily the last entered key.
The administrator can make active a key already entered.

Description of key input
(C:024812)
A new access key, provided by the support, can need to be
entered for several reasons:
. first installation,
. renewal,
. modules lending,
. following an input error.
In case of input following an error, the key order number
is equal to zero. Conversely, it is a series, the number is
incremented (this number is an integral part of the key,
and so is codified).
On receiving the new access key, it must be entered as
following:
. open the smartguide to enter the key. Once the key is
correct (sufficient characters number, key not yet

entered,..), the 'Next' button is ungray. Its activation
starts an immediate upload for decodification.
Then, locally, the 'Designer', 'Developer', 'Text UI' and
'Reader' use rights are created (if the number of licenses
is not null), as the 'eBusiness' and 'Traditional' build
facilities use rights expected in the key. And then,
a new window appears:
'Generation targets matching':
. this window is active (i.e. a user action is needed)
for a renewal or lending only.
When necessary elements are defined (either
automatically or by the user himself), the 'Next' button
is ungray. Its activation displays a last window which
contains the final status of the chosen generation targets,
dispatched on different use rights.
The 'Finish' button is active if the key is valid only.
Its activation starts the upload of the created access key.

Management rules:

1 - For renewal, it is possible to redispatch the active
key targets within the use rights. If the number of targets
has decreased, a choice will have to be made among the
active key ones. If the number has increased, all the active
key targets are redispatched and the missing ones will have
to be defined, after the key entering. If it is equal, all
the targets are recovered, possibly after the redispatching.

2 - For a first installation or following an error,
all the targets are to be defined.

Activation of a key
(C:024814)
Activation of a key
An access key can be activated if the following conditions
are respected:
. It is not the active key,
. The expiration date is not reached,
. The generation targets of all the features are defined,
. It is the last of the series (highest order number).
An activated key is immediately taken into account for all
the other connected users.
A key activation modifies the active key label which
becomes ARCHIVE. In the same time, the label of the key
newly activated changes from ARCHIVE to ACTIVE.
When a key is activated, as all the licenses are linked to
a key, more or less complicated processings are performed.

Modification of the licenses number

If the licenses number of a Use Right, build type or not,
of the key to be activated is less than the licenses number
corresponding to the active key, the active licenses
counter of this license is set to zero and all the last
connection dates of the associated licenses are set to
spaces.

If the number does not change, or if it is higher, no
modification is performed.

Modification of a 'Build Facility' License

If the key to be activated has an instances number
different from the Use Rights of the active key, before
activating this key, a matching between the two keys is
performed. The purpose is that after the key activation,
all the users, or at least most of them, who previously
had a license, benefit from a non-disrupted VA Pac access.
To do this, a smartguide is opened with two panels:
. The first displays the list of the active key Use Rights,
the list of the future key Use Rights and the matchings.
When closing the smartguide, the following processings are
preformed:
. All the active key licenses for which a current/future
use rights matching exists, are modified:
. The belonging key becomes the key to be activated,
. The Use Right is replaced by the one defined in the
matching table of the smartguide,
. All the active key licenses without matching:
. The belonging key is not modified,
. The Use Rights are not modified,
. The current owner becomes the previous owner,
. The current owner is set to spaces and the corresponding
user is modifid to delete the license.
. The key is activated.

Final processing

All the active key licenses without owner must be
modified to no more be linked to the newly activated
key.

Attribution of a license to a User
(C:024815)
The attribution of a license to a user gives to the user
the use rights relating to the license. For example, if a
'Developer' license is attributed, the owner of this license
can connect to the Workbench and use it (according to the
authorizations granted by the administrator).
But this license does not give the authorizations to
generate programs, screens, ... To do this, he must be
attributed a 'Build Facility' type license.
A license has its own existence. It is created as and when
needed from the active key information, or if it exists,
from the next active key (the one which is just activated).
From the users list, the popup menu for the selected user,
allows to attribute or remove licenses with the
"Attribution/Remove to a group of users" menu choice.
This action opens a smartguide. The first page contains
three panels:
. The top-left panel displays the list of Use Rights
which are available for this active access key,
without taking the number of licenses already attributed

into account, as the controls are performed at connection or
for the attribution,
. The bottom-left panel contains the free licenses,
i.e. the licenses which have been attributed and removed.
. The right panel displays the licenses attributed to
the user.
Between these panels, arrows can be used to attribute or
remove a license:
. Bottom right arrow: attribution of a free license.
This creates a license for this user and modifies
the license information such as the attribution date and
the owner user code.
. Top right arrow: attribution of a new license. A license
creation is possible only if there is no free
license for this use right.
. Bottom left arrow: removing license. This removes the
corresponding description line on the user and modifies
the license which becomes feee (previous owner equal
to the user code, owner code set to spaces, attribution date
set to spaces, but, last connection date not changed).
The attribution of a Designer, Developer or TUI user
license is possible if there is no Reader license
already attributed.
The attribution of a Reader license is possible if
there is no Designer, Developer or TUI user license already
attributed.
Note: the number of transfers of a license from a user to
another user is limited to 3.
When this number is reached, the attribution of such a
license is possible for the last owner user only.
Otherwise, this license will be available again
after three months of inactivity.

Attribution of a license to a group of users
(C:025366)
Attribution of a license to a group of users.

From the list of purchased rights of the active access key,
it is now possible to grant a license of a purchased right
to a group of users.
To access the corresponding wizard, select the concerned
Right and then select the "Attribution to a group of users"
choice (pop-up menu via mouse right click or 'License
Rights' menu).
Once you have selected a users group for a purchased right,
if one of the users already has a license for the selected
right, then a message appears after the name of this user.

The timestamp has been added on the access key
Definition. *(C:025452)*
The timestamp has been added on the access key
Definition.
If there is more than one Administrator on the site,
it is useful to know who made the last update.
This is the reason why the timestamp has been added.

Block Database (DDL)

Database block: list of blocks and consultation
of the definition *(C:024459)*
Via Developer Workbench, it is possible to display the list
and consult the definition of a Database Block.
These blocks can not be updated. All the entities
that can call a block (program, elementary components...)
have a button to select a present or local block or import
it from the server.

eBusiness Module

eBusiness module, program import
(C:022641)
eBusiness module, program import
It is possible to import programs in the eBusiness module.

Input help for the structured language of
elementary components. *(C:024840)*
Input help taken into account for the operand and the
condition fields of the source tab of an elementary
component:
. Description of logical vi ews
. Description of user buffer
. Description of server buffer
. Description of POT
. Communication area (TECH-.., SELT-...)
. Variables such as the presence check (CH-..),
data errors buffer (EE-..)
Caution: To generate these components, all the elements must
be in the local workspace. The first input help can perform
several server accesses to download all the linked entities
and so the response time is significant. In that case, the
first time, the help window closes.

Group identifiers of logical view: the elementary
fields are displayed *(C:025279)*
In the definition panels of logical view identifiers
(at folder node level and logical views list level for the
technical elementary components), the list of all the
logical view data elements is displayed.
Only data elements which do no belong to a group can be
identifiers. When a group is specified as identifier, all
the fields belonging to this group are selected.
The same, deselecting a group deselects all
the fields belonging to this group.
Deselecting a folder node identifier sends an error when
the identifier is used in the elementary component
associated to the node (or one of the belonging data
elements if it is a group).
The deselection of an identifier of a technical elementary
component logical view is grayed if it is used in a transfer
(or one of the belonging data elements if it is a group).
If a data element of the non identifier logical view is

added in the group, this data element is not visible as
identifier. The group identifier must be deselected
(possibly after the transfers deletion) and reselected to
define the new data element as identifier.

**GVC in local: the "country date format" of the
library is used for the data elements date format** *(C:025406)*
GVC in local: the "country date format" of the
library is used for the data elements date format.

**eBusiness, structured language: Input help on C/S
application** *(C:025508)*
Input help taken into account on the operand fields and
source tab conditioning of C/S application:
. VWER description
. User buffer description
. Server buffer description
. EM00 description
. Communication area (TECH-.., SELT-...)
Warning: to generate these information, all the elements
must be in the local image. The first input starts the
servers reading to download all the linked entities and so
in a non insignificant response time. In that case, the
first time, the help window is closing.

**eBusiness application, server buffer modification:
the selected segments are deleted** *(C:025829)*
When the data structure corresponding to the server buffer,
on the C/S application definition is changed, the
"EBusiness Common Area" tab is reinitialized with
the changed DS code and without segment selection.

**eBusiness application, error labels file:
Generation of the description is grayed** *(C:025909)*
eBusiness application, error labels file:

. the Generation of the description is grayed for the
'Relational object' and DL/1 file types.

. For any file type, the Generation of the description
is set by default.

**Data elements not defined in the reposi tory are
taken into account in the POT transfers of an EC** *(C:026091)*
The data elements not defined in the repository are taken
into account in POT transfers of an elementary component.
When a POT contains a data element not defined in the
repository, this data element can be used in the transfers
concerning this POT.

**Management of the eBusiness application work file
(C:026132)**
1) When the type of the work file is changed, the segment
code is set to <none>.
2) When the file is relational, the selection of the
segment is not possible as long as a block is not specified.

3) When the block is specified, the segment selection
displays the tables or views belonging to this block.

**Elementary component in uppercase kinematics:
modification of the access type management** *(C:026206)*
In an elementary component, the management of the access
type is modified:

1) <none> is removed in the dialog which appears when
is inserted in standard or specific update kinematics.
2) The 'update and selection' access is removed in this
dialog when the POT has not an elementary component type.
3) The 'update and selection' access is removed in the
dialog which appears for the properties menu of the POT,
when the POT has not an elementary component type.

**Elementary Component, definition of a POT:
management of the common part** *(C:026213)*
For the creation of a POT with a File, Table or Working
type, the common part choice is managed as following:
. If the segment code is <none>, the common part is s
space.
. If the segment code is a common part, the common part is
initialized to 'No' and cannot be modified.
. If the segment code is a specific segment and if the '00'
segment does not exist, the common part is initialized
to 'No' and cannot be modified.
. If the segment code is a specific segment and if the '00'
segment exists, the common part is initialized to 'Yes'
and can be modified.

DATA ELEMENT

**GVC in local: the "country date format" of the
library is used for the data elements date format** *(C:025406)*
GVC in local: the "country date format" of the
library is used for the data elements date format.

Metamodel

**The Dialog module is integrated in Developer
Workbench.** *(C:007324)*
The Dialog module is taken into account in Developer
Workbench, i.e. the management of dialogs, standard
screens, Pacbase Web Connection communication monitor.

Available with 3.5 V01 version.

**Database block: list of blocks and consultation
of the definition** *(C:024459)*
Via Developer Workbench, it is possible to display the list
and consult the definition of a Database Block.
These blocks can not be updated. All the entities
that can call a block (program, elementary components...)
have a button to select a present or local block or import

it from the server.

Management of attached pieces by the "external file" tab. *(C:025164)*
The "external file" tab is re-integrated in the Batch and eBusiness modules of the Developer Workbench to manage attached pieces.

Screen branching

Search WebServices: the browser opens from results *(C:025476)*
Following an entities search which result is a WebServices entity, it is possible to open the browser of this entity from the result and the result detail (for local searches) panels.

On-Line System Development

The Dialog module is integrated in Developer Workbench. *(C:007324)*
The Dialog module is taken into account in Developer Workbench, i.e. the management of dialogs, standard screens, Pacbase Web Connection communication monitor.

Available with 3.5 V01 version.

Dialog (and screen) entity publishing *(C:023587)*
Dialog (and screen) entity publishing.

With Developer Workbench, it is now possible to publish the dialog entity via the "publish current entity" button.

Publishing

Text entities publishing *(C:023586)*
Text entities publishing.

With Developer Workbench, it is now possible to publish the text entity via the "publish current entity" button.

Dialog (and screen) entity publishing *(C:023587)*
Dialog (and screen) entity publishing.

With Developer Workbench, it is now possible to publish the dialog entity via the "publish current entity" button.

Webservices: documentation modules have been added on each of entities associated to the WebServices *(C:025378)*
Webservices: the documentation modules have been added on each of the entities associated to the WebServices.

When a Segment is published, its Data Structure code is displayed. *(C:025395)*
When a Segment is published, its Data Structure code is displayed.
The Documents which publish Segments include the Data Structure code in the title and in the Definition. So now the Segment code is displayed on 4 characters.

Locks tab added on the Documents browser *(C:025434)*
Locks tab added on the Documents browser.

The Locks tab has been added on the browser of the Documents.

Publishing: the publishing of a user has been completed *(C:025457)*
Publishing: the publishing of a user has been completed.
The publishing of a user takes in account the new licenses, the connections. Moreover, the list of authorizations on the environments is now published.

Assigned text lines taken into account in the entities publishing *(C:025469)*
The assigned text lines are taken into account in the entities publishing.

Structured code

Input help for the structured language of elementary components. *(C:024840)*
Input help taken into account for the operand and the condition fields of the source tab of an elementary component:
. Description of logical views
. Description of user buffer
. Description of server buffer
. Description of POT
. Communication area (TECH-.., SELT-...)
. Variables such as the presence check (CH-..),
data errors buffer (EE-..)
Caution: To generate these components, all the elements must be in the local workspace. The first input help can perform several server accesses to download all the linked entities and so the response time is significant. In that case, the first time, the help window closes.

The controls on parameters in the macro calls smartguide are removed *(C:025339)*
The controls on parameters in the macro calls smartguide (presence check, length check, ...) are removed.

Source, Input help: indexes of called tables in Working are displayed *(C:025400)*
The Input help on operand and condition fields proposes the

indexes (IffnnL, IffnnM, IffnnR) of the tables defined in
Working.
Corrected.

**eBusiness, structured language: Input help on C/S
application** *(C:025508)*
Input help taken into account on the operand fields and
source tab conditioning of C/S application:
. VWER description
. User buffer description
. Server buffer description
. EM00 description
. Communication area (TECH-.., SELT-...)
Warning: to generate these information, all the elements
must be in the local image. The first input starts the
servers reading to download all the linked entities and so
in a non insignificant response time. In that case, the
first time, the help window is closing.

Search Function

**Local search: graphic interface conform with the
Servers searches** *(C:025058)*
Local search: the graphic interface is conform with the
servers searches.
The graphic interface for local search of references is the
same as the servers searches one:
. smartguide for the search selection.
. Referencing entities list of results.
. Detail of each result.
There is no :
. Local search with keywords.
. Detail of a Document-type referencing entity.
. Opening of a WebServices entity detail panel.

X-references on Soap Binding entities
(C:025383)
X-references on Soap Binding entities

Search WebServices: the browser opens from results
(C:025476)
Following an entities search which result is a WebServices
entity, it is possible to open the browser of this entity
from the result and the result detail (for local searches)
panels.

Services Modeler

**Webservices: documentation modules have been added
on each of entities associated to the WebServices** *(C:025378)*
Webservices: the documentation modules have been added on
each of the entities associated to the WebServices.

X-references on Soap Binding entities
(C:025383)

X-references on Soap Binding entities

**Multiple selection possible during the composition
of a service, operation (error), message and part** *(C:025448)*
The multiple selection is possible during the composition of
a service, an operation (errors), a message and a part.

Search WebServices: the browser opens from results
(C:025476)
Following an entities search which result is a WebServices
entity, it is possible to open the browser of this entity
from the result and the result detail (for local searches)
panels.

Smart-Guide

**The controls on parameters in the macro calls
smartguide are removed** *(C:025339)*
The controls on parameters in the macro calls smartguide
(presence check, length check, ...) are removed.

SQL Langage

**Database block: list of blocks and consultation
of the definition** *(C:024459)*
Via Developer Workbench, it is possible to display the list
and consult the definition of a Database Block.
These blocks can not be updated. All the entities
that can call a block (program, elementary components...)
have a button to select a present or local block or import
it from the server.

Service Test Facility (Visual)

**GVC in local: the "country date format" of the
library is used for the data elements date format** *(C:025406)*
GVC in local: the "country date format" of the
library is used for the data elements date format.

Text

Text entities publishing
(C:023586)
Text entities publishing.

With Developer Workbench, it is now possible to publish the
text entity via the "publish current entity" button.

Assigned text display function
(C:024936)
Assigned text display function.

This function in A&D Workbench is equivalent to the -AT
screen choice in online mode.

Each entity contains a new tab displaying the text lines assigned to it.
This is the result of a request on the repository for a library and a view type of the database.
From a line, the user can go on the text composition.

Integration of "Pacdesign" type texts in AD-Workbench *(C:025165)*
Integration of "Pacdesign" type texts in AD-Workbench.

Assigned text lines taken into account in the entities publishing *(C:025469)*
The assigned text lines are taken into account in the entities publishing.

Advanced edit functions on texts
(C:025495)
The advanced edit function is available in the text area of the editor, it as the same functions as the comment editor:
- Word wrap mode
- Automatic carriage return when the line exceeds 60 characters (splitting by word). If the line is a title or text assignement line type, the created line will have the same type, else the created line will have a blank type.
- 'Enter' at the end of a line created down a new line with the blank type.
- 'Enter' at the beginning of a created up a new line with the blank type.
- Moving in the text with the keyboard arrows.
- The text assignment lines are used as marker and not as paragraph delimiter. Example, if two lines with the blank type are separated by one or more lines with the 'I' type, the word wrapping will be applied between the two lines with the blank type.
- Cut/copy/paste functions are available on the editor.
Up/Down functions (line moving) are also available.

Entity Lock

Improvement of locks management in Developer Workbench. *(C:024827)*
The management of locks has been improved in the Developer Workbench.
1) Locks are displayed in the list and in the definition depending on the work library.
2) For each entity, the list of locks is displayed in a specific tab where it is possible to lock or unlock an entity.
3) It is possible to lock/unlock in a library where the definition does not exist.

Locks tab added on the Documents browser
(C:025434)
Locks tab added on the Documents browser.

The Locks tab has been added on the browser of the Documents.

Miscellaneous

IBM 32-bit SDK for Windows, v1.3.1 using in Developer Workbench *(C:024685)*
IBM 32-bit SDK for Windows, v1.3.1 using in Administrator Developer Workbench.

Data elements not defined in the repository are taken into account in the POT transfers of an EC *(C:026091)*
The data elements not defined in the repository are taken into account in POT transfers of an elementary component. When a POT contains a data element not defined in the repository, this data element can be used in the transfers concerning this POT.

Compatibility

TCP/IP communications: the default port number is 3676 *(C:025475)*
TCP/IP communications: the default port number is 3676.

The IANA (Internet Assigned Numbers Authority) organization has attributed the 3676 port number to VisualAge Pacbase. This number is the default number for all the communications with the first installed development database of the VisualAge Pacbase server.
But another number can be chosen, in the private ports sequence, from 49152 to 65535.

Installation and procedures

TCP/IP communications: the default port number is 3676 *(C:025475)*
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But another number can be chosen, in the private ports sequence, from 49152 to 65535.

Pacbase Web Connection

Full-J2EE generation of the revaming module : JSP pages instead of owner HTML templates *(C:025185)*
Full-J2EE generation of the revamping module: Generation of JSP pages in option instead of the Pacweb owner HTML templates.

All the parameters are centralized in the web.xml file.

Compatibility with previous version:
The web.xml file generated by a previous version (350V00)
must be regenerated with this version to contain all the
parameters previously set in the .ini file.

Available with 3.5 V01 version.

CORRECTED BUGS

Compatibility

**Untimely modification of a nature field in the
program definition** *(C:024109)*
A program with the nature T was downloaded to modify the
external name. During the upload, this T value has been
replaced by the B value, creating errors at compilation.
Corrected.

**The online help and the publishing use the
navigator specified in the preferences.** *(C:024376)*
In the previous versions, the online help and the
documents publishing used the association of Windows files
to start the Internet navigator.
This mechanism was not reliable and the correct processing
was depending on different system parameters.

The online help and the entities publishing use the
Internet navigator specified in the global preferences.
(item : Global - Help).

**Impossible to start the workstation on Windows 98
(C:025064)**
Impossible to start the workstation on Windows 98:
The PATH environment variable was not transferred in the
startup scripts (.BAT files). So the START instruction was
not recognized.
Corrected.

**Print/generation commands parameters taken into
account with the correct delimiter (blank)** *(C:025319)*
The parameters of the print/generation commands in A&D
Workbench are determined by the presence of the blank
character to mark the end of the value.

**The maximum length of the middleware user code is
on 12 characters.** *(C:026016)*
Initially, the maximum length of the middleware user code
was 8 characters.
From now on, this maximum length is on 12 characters.

Installation and procedures

Impossible to start the workstation on Windows 98 *(C:025064)*
Impossible to start the workstation on Windows 98:
The PATH environment variable was not transferred in the
startup scripts (.BAT files). So the START instruction was
not recognized.
Corrected.

**Display of icons associated to the A&D Workbench
modules startup on Windows 98** *(C:025505)*
The icons associated to the A&D Workbench modules startu
menu choices are now available on Windows 98.

Administration

**The Online help call from the description windows
of Input Aid is not correct** *(C:023502)*
Input Aid browser open in the database administration
module or Input Aid open in the Batch module
(following its call in a program for example).
The displayed online help is not correct (always the Help
Home page).
Corrected.

**The JCLs modification from the local workspace
disorganizes these JCLs.** *(C:025399)*
The JCLs modification from the local workspace disorganizes
these JCLs.
The line number attribution of the 9 first entered command
lines was erroneous, and this disorganized the command lines
order (ccf/ccb).
Corrected.

**Admin. Workbench: Optional Command Lines Set:
drop down list of the command line types too short** *(C:025876)*
The size of the drop down list for the command line types is
smaller than the label and it is not possible to make it
larger.
Corrected.

Batch

**Untimely modification of a nature field in the
program definition** *(C:024109)*
A program with the nature T was downloaded to modify the
external name. During the upload, this T value has been
replaced by the B value, creating errors at compilation.
Corrected.

**Program: Data Structure Calls: the screen was not
designed** *(C:024449)*
Program: Data Structure Calls: the screen was not well
designed

You need to lift down the external view level to display requested files.
The window is too wide .
Corrected.

Connection

The connection is locked for a user without authorization on a database *(C:025917)*
For a user without any authorization on a database, the connection attempt to this database with the batch or the eBusiness module is locked on one of the loading windows.
Corrected.

eBusiness Module

NLS: In French, in case of reconnection to the current session, the error message was in English. *(C:024468)*
NLS: In French, in case of reconnection to the current session, the error message was in English.
For example, a user is connected in current session. In the "File" - "Open a new session" menu choice, if the user selects the current session, the error message was in English : "The session is already opened".
Corrected.

Erroneous error message during the creation of a technical elementary component *(C:024496)*
Erroneous error message during the creation of a technical elementary component.
If the component is 'technical' and if the eBusiness application is not specified, the smartguide error message was:
'The Ebusiness application must not be present for a hierarchical elementary component'.
Corrected.

Missing commands in the generation browser to generate the Cobol COPY of a logical view *(C:024736)*
In the generation browser, commands to generate the Cobol COPY of a logical view called in an elementary server are missing (generation of an elementary component in 'C4' option).
Corrected.

eBusiness module, modification of generation request not taken into account *(C:024744)*
A generation request is created, submitted and then saved from the eBusiness module of Developer Workbench.
This request is correctly saved in the VA Pacbase repository.
This request is modified in Developer Workbench, then re-submitted: the modification is not saved in the repository.
To modify the generation request in the repository, it was

necessary to:
- delete, re-create the generation request and submit it
again.
- or modify the request after a stop-restart of
Developer Workbench.
This is now corrected.

Generation requests disappearance
(C:024745)
When a generation is requested from the eBusiness
module, with a parameter line, the cursor MUST be located
on the input line of the following parameter, to take this
parameter into account.
This is now corrected.

Ebusiness: the mapping of a segment which contains
a FILLER is now possible in an elementary comp. *(C:025208)*
If a FILLER was present in the composition of a segment
used in the mapping of persistence objects of an elementary
component, an exception was raised (visible in the trace)
and the table of transfers was not displayed.
This is now corrected.

GVC: Extraction lib. taken into account to access
to parent data element information via a children *(C:025401)*
Extraction library taken into account to access to the
parent data element information via a children data
element: gvc.

DATA ELEMENT

An alias type data element was changed into
property when it was updated *(C:025373)*
An alias type data element was changed into property when it
was updated.

Error found:
When a data element with an alias type, without format, is
updated via ADWorkbench, its type is modified and it becomes
a property.
This has been corrected.

GVC: Extraction lib. taken into account to access
to parent data element information via a children *(C:025401)*
Extraction library taken into account to access to the
parent data element information via a children data
element: gvc.

Generation

The generation requests did not take the options
(C2, C3..) into account *(C:024422)*
The generation requests did not take the options
(C2, C3..) into account.
It was possible to generate in 'C1' option only.

Corrected.

Missing commands in the generation browser to generate the Cobol COPY of a logical view *(C:024736)*
In the generation browser, commands to generate the Cobol COPY of a logical view called in an elementary server are missing (generation of an elementary component in 'C4' option).
Corrected.

eBusiness module, modification of generation request not taken into account *(C:024744)*
A generation request is created, submitted and then saved from the eBusiness module of Developer Workbench.
This request is correctly saved in the VA Pacbase repository.
This request is modified in Developer Workbench, then re-submitted: the modification is not saved in the repository.
To modify the generation request in the repository, it was necessary to:
- delete, re-create the generation request and submit it again.
- or modify the request after a stop-restart of Developer Workbench.
This is now corrected.

Generation requests disappearance
(C:024745)
When a generation is requested from the eBusiness module, with a parameter line, the cursor MUST be located on the input line of the following parameter, to take this parameter into account.
This is now corrected.
Print/generation commands parameters taken into account with the correct delimiter (blank) *(C:025319)*
The parameters of the print/generation commands in A&D Workbench are determined by the presence of the blank character to mark the end of the value.

On line help

The Online help call from the description windows of Input Aid is not correct *(C:023502)*
Input Aid browser open in the database administration module or Input Aid open in the Batch module
(following its call in a program for example).
The displayed online help is not correct (always the Help Home page).
Corrected.

The online help and the publishing use the navigator specified in the preferences. *(C:024376)*
In the previous versions, the online help and the documents publishing used the association of Windows files

to start the Internet navigator.
This mechanism was not reliable and the correct processing
was depending on different system parameters.

The online help and the entities publishing use the
Internet navigator specified in the global preferences.
(item : Global - Help).

Keywords
Publishing: keywords w
hich are displayed are
separated by spaces *(C:025403)*
Publishing: keywords which are displayed are separated by
spaces.
When an entity is published, its keywords are displayed, one
after the other, only separated by spaces.

Publishing

Control of the execution result of the "set"
commands in the publishing .bat files. *(C:025337)*
The five files have been modified as follows:
A set VPP_TEST has been added after the last "useful" set
and its execution is verified.
In case of failure, an error message is sent and "exit 1"
is returned.
Then the calling application uses or not this return code
(a correct execution sends 0).

Insert macro calls in the program lines publishing
(C:025345)
Insert macro calls in the program lines publishing.
Now, a program publishing contains the P, W and P lines
from macros.

Publishing: keywords which are displayed are
separated by spaces *(C:025403)*
Publishing: keywords which are displayed are separated by
spaces.
When an entity is published, its keywords are displayed, one
after the other, only separated by spaces.

Structured code

Working: copy/paste of B-type and F-type lines
not possible *(C:024561)*
Working: It was not possible to copy/paste B-type and F-type
lines.
With the "Paste to" action, the line was not copied.
Corrected.

Search Function

Duplicate and Local search choices grayed for the
entities locked by another user *(C:024585)*

The 'Duplicate' and 'Local search' choices are grayed for
the entities locked by another user.
Corrected.

Segment

Insert problem when adding Segment SQL lines
(C:024780)
In the SQL lines of a segment, the insert of an instruction
among other instructions was done after the last line.
If this line was put up at the wanted place, the inserted
line appeared twice.
Corrected.

-CE, transfers: the data elements of a segments
call in a POT are not visible *(C:025217)*
CE, transfers: the data elements of a segments call in a
POT are not visible.
This concerns POT data elements in the left column of the
transfers and concerns the data elements of a previous POT
used as transfer source in the right panel.
Corrected.

Smart-Guide

Import Smartguide: "next" button wrongly
accessible. *(C:023332)*
Import Smartguide: "next" button wrongly accessible.
- Open the smartguide to import an entity
--> the "next" button is disable
- this button should stay "disable" as long as the "Other"
choice is not activated.
But, it became enable if the number of entities to import
or if the "from" value for a "Multiple import" had
been modified.
Note:
Click on the "next" button in the cases listed above had no
effect.
Corrected.

SQL Langage

Insert problem when adding Segment SQL lines
(C:024780)
In the SQL lines of a segment, the insert of an instruction
among other instructions was done after the last line.
If this line was put up at the wanted place, the inserted
line appeared twice.
Corrected.

Service Test Facility (Visual)

GVC: Extraction lib. taken into account to access
to parent data element information via a children *(C:025401)*

Extraction library taken into account to access to the parent data element information via a children data element: gvc.

Miscellaneous : Online

The maximum length of the middleware user code is on 12 characters. *(C:026016)*
Initially, the maximum length of the middleware user code was 8 characters.
From now on, this maximum length is on 12 characters.

Entity Lock

Duplicate and Local search choices grayed for the entities locked by another user *(C:024585)*
The 'Duplicate' and 'Local search' choices are grayed for the entities locked by another user.
Corrected.

Miscellaneous

NLS - Duplication window not translated
(C:024035)
NLS - For all the entities, the Duplication window was not translated.
Corrected.

Detail on the entities lists: if the column title was moved, the list information did not *(C:024487)*
Detail on the entities lists: if the user moved the column title, the list information did not move.
Corrected.

Impossible to start the workstation on Windows 98
(C:025064)
Impossible to start the workstation on Windows 98:
The PATH environment variable was not transferred in the startup scripts (.BAT files). So the START instruction was not recognized.
Corrected.

Display of icons associated to the A&D Workbench modules startup on Windows 98 *(C:025505)*
The icons associated to the A&D Workbench modules startu menu choices are now available on Windows 98.

Print choice removed from the File menu
(C:025798)
The Print choice (in the File menu) is removed.