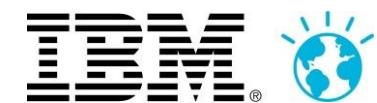




IBM Technical Summit 2013

Démarquez-vous

17 octobre | IBM Client Center Paris





IBM Technical Summit 2013

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17 octobre | IBM Client Center Paris

Plan de Convergence Pacbase – RPP 9.0

Corinne Blanchard

Tech Sales, Rational

François Dumont

Product Manager





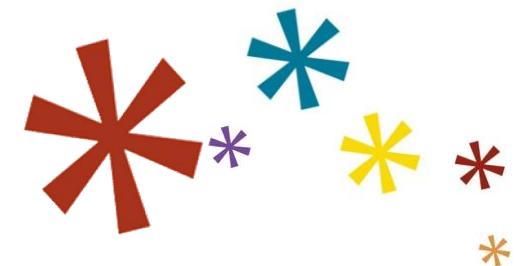
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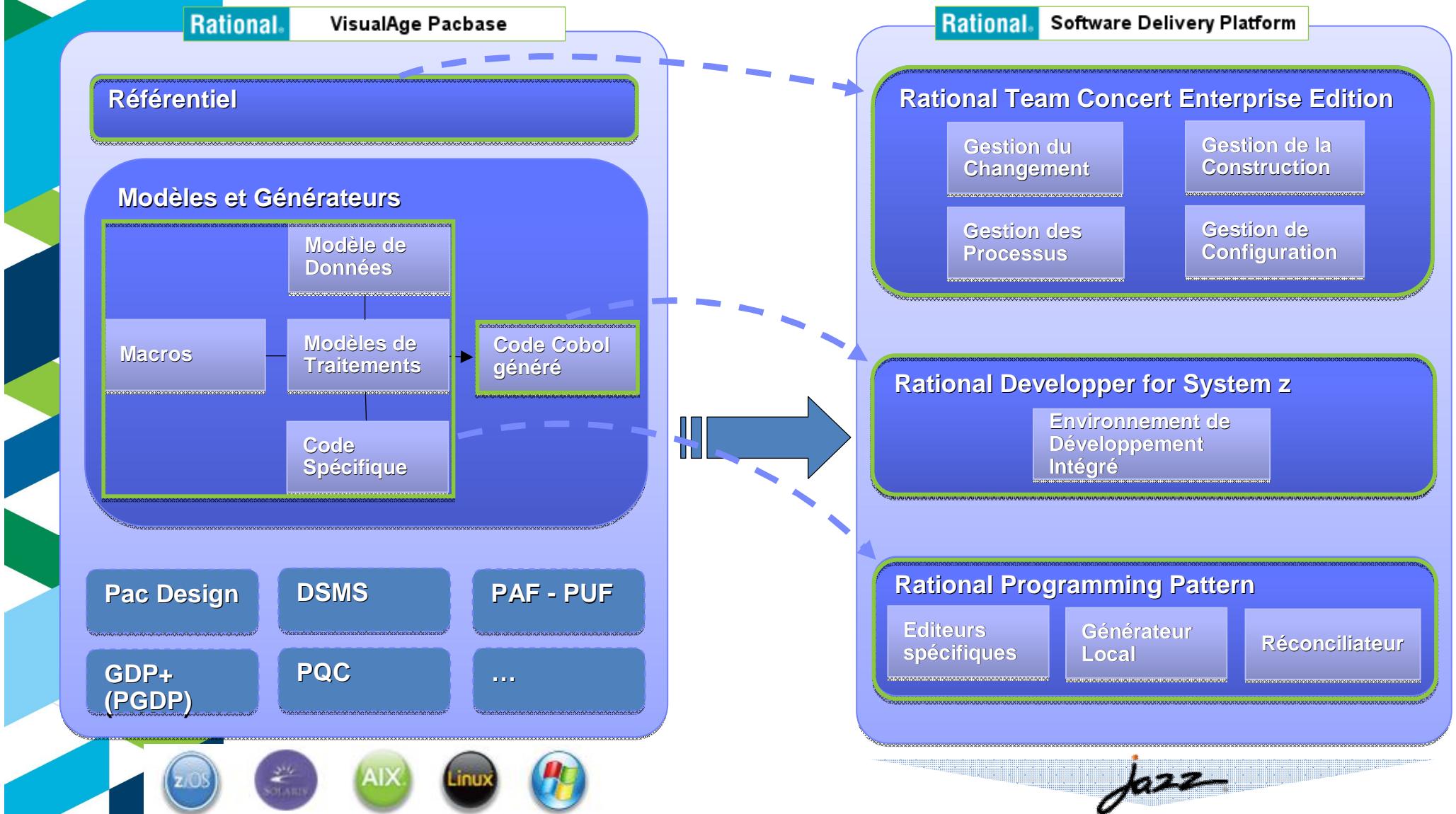
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Rational Programming Patterns

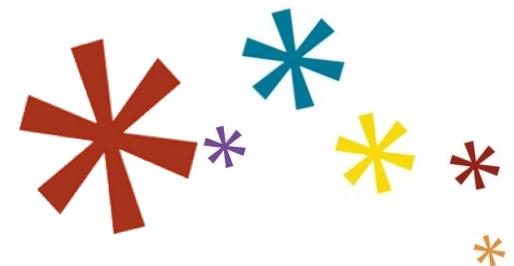


From Pacbase ... to RPP





RPP 9.0





	2010	2011	2012	2013	2013	2014	2015
	8.0.1	8.0.3	8.5	9.0	9.0.1		
Migration completeness (supported entities)	X	X	X	X	X	X	
Design Methods						?	?
Generation targets extension		X		X		X	
PacTable DataStructure Generation						X	
Migration industrialization			X	X		X	X
Model & Code inheritance				X	X	X	X
Source Code Quality Control		X	X	X		X	
Ecosystem integration				X		X	
Publishing Facilities						X	
Design Entities Administration						X	
Ergonomics improvements			X	X		X	X
Performance improvement			X				
API		X	X	X	X		
Repository Services	X		X		X		
Accessibility				X			

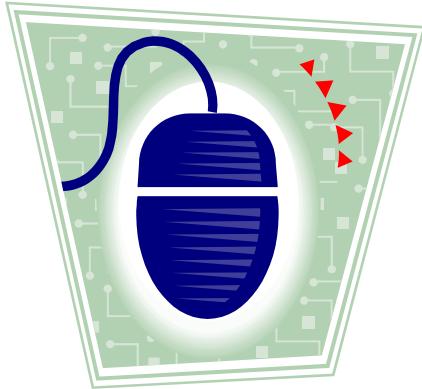


Objective : Improvement / Addition of functionalities

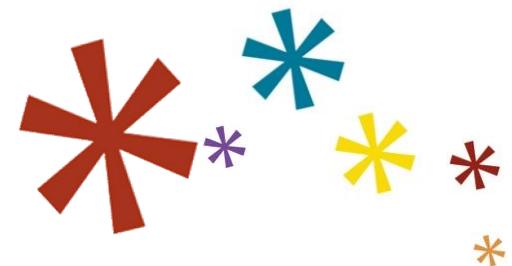
- Code Insertion Wizard
- Screen Simulation
- Comparison
- Dependence Relationships
- Quality Control
- Input Aid
- Migration
- Endevor Integration



DEMONSTRATION

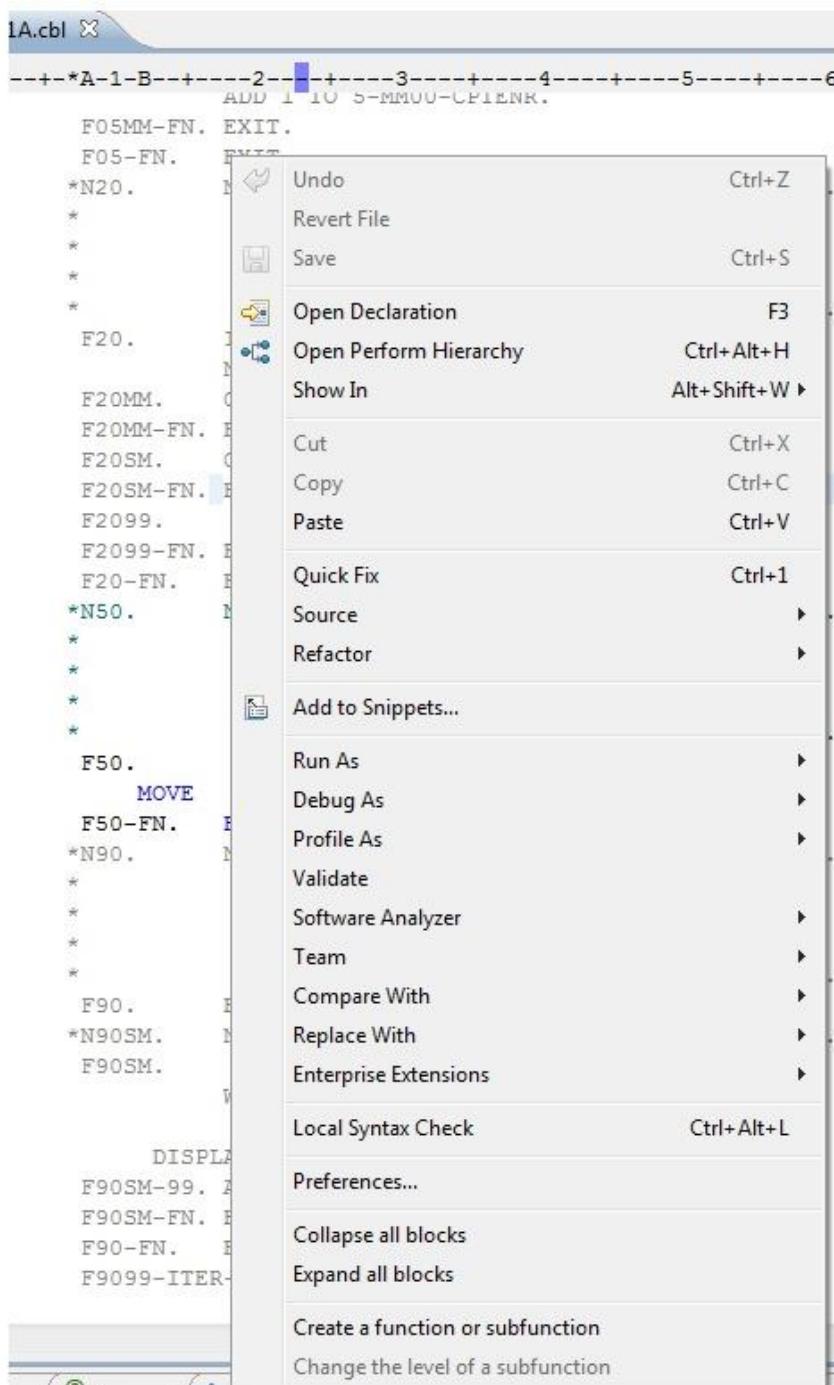


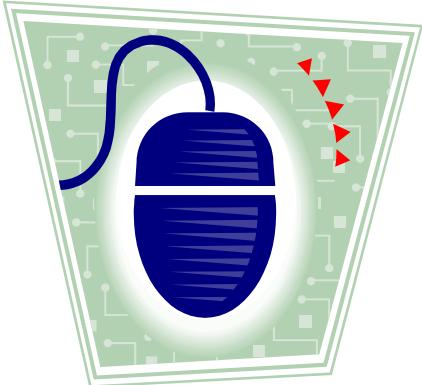
CODE INSERTION



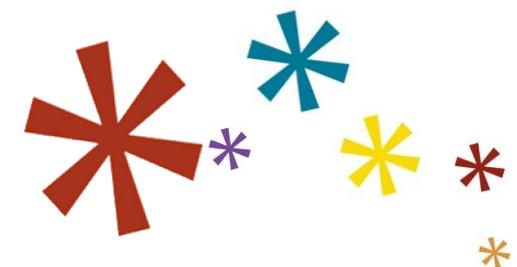
CODE INSERTION

- Function/Sub-function insertion wizard



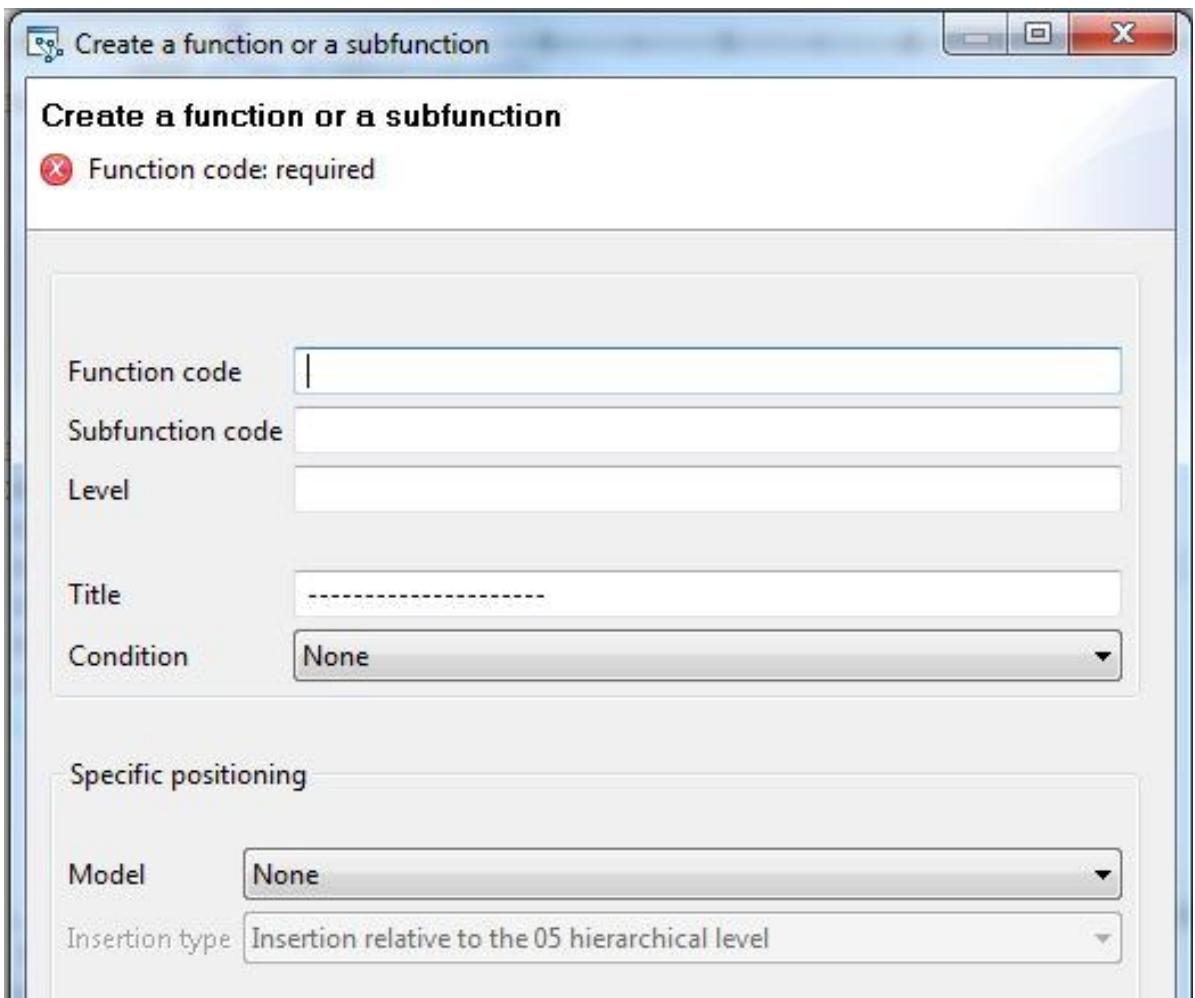


CODE INSERTION BATCH PROGRAM



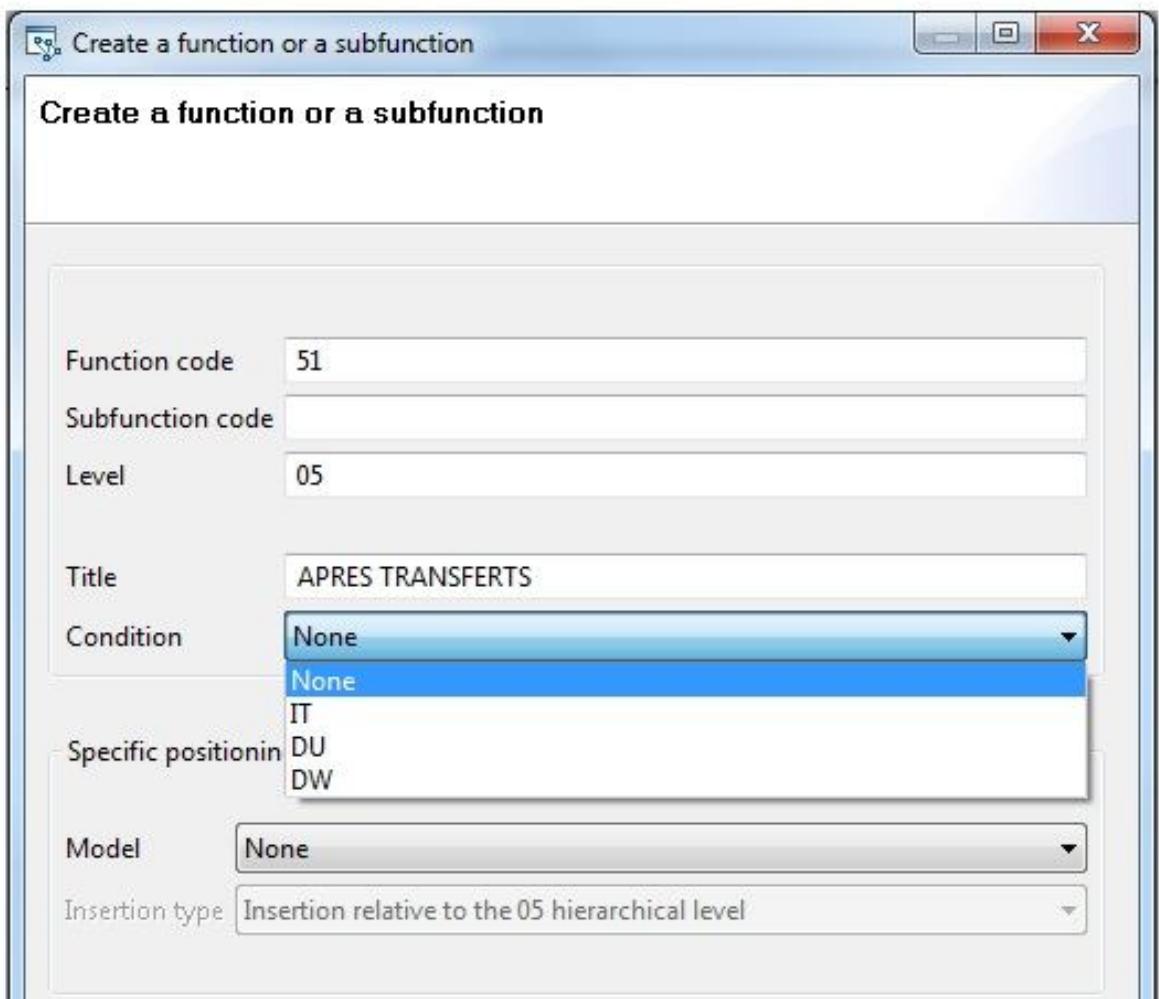
CODE INSERTION

- Function/Sub-function insertion wizard (Batch programs)



CODE INSERTION

- Function/Sub-function insertion wizard (Batch programs)





CODE INSERTION

- Function/Sub-function insertion wizard (Batch programs)

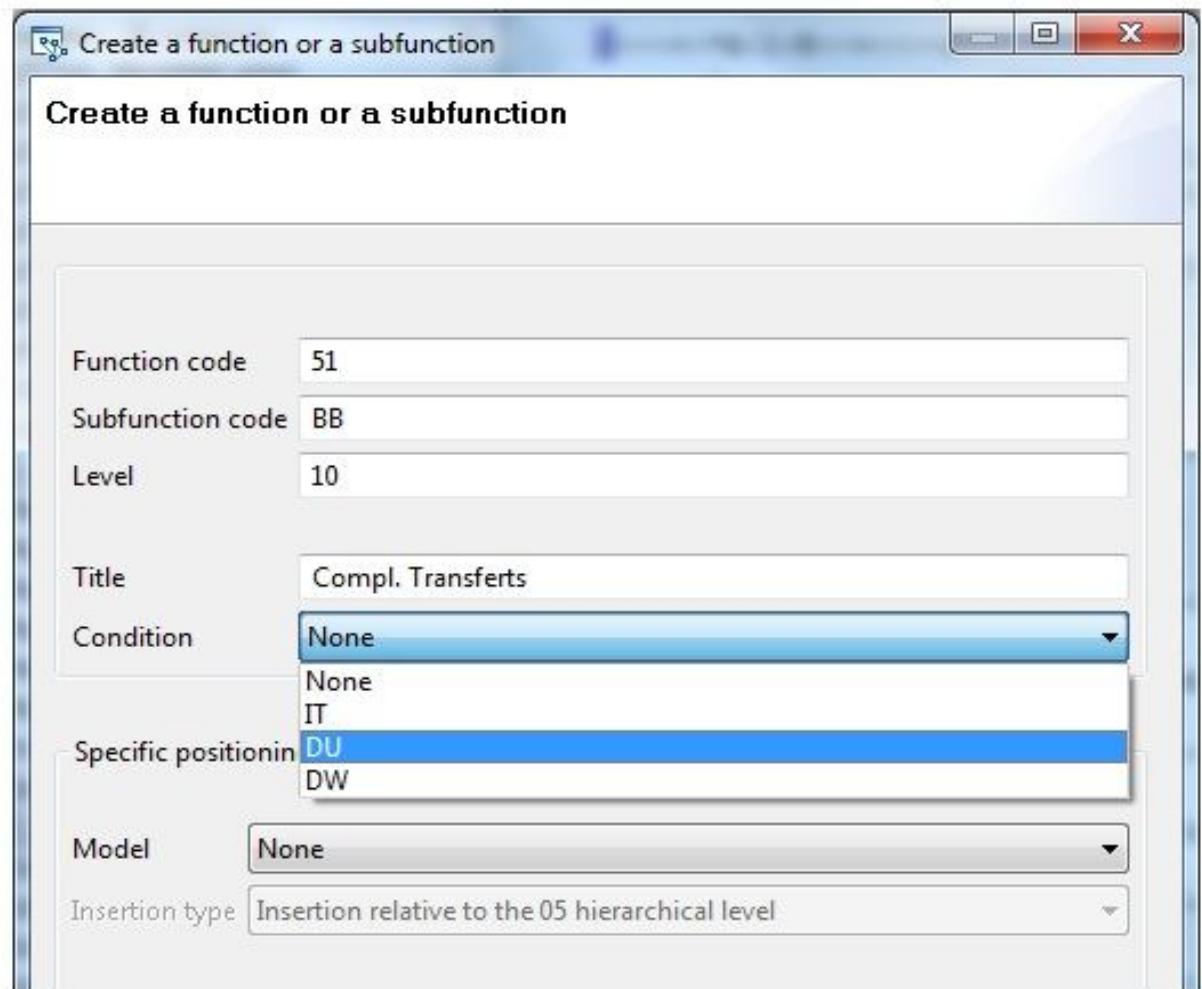
```
F20-FN.      EXIT.  
*N50.      NOTE *****  
*          *  
*          *TRANSFERT  
*          *  
*****  
  
F50.      MOVE      MM1A TO SM1A.  
F50-FN.      EXIT.  
*N51.      NOTE *****  
*          *  
*          * APRES TRANSFERTS  
*          *  
*****  
  
F51.  
*<insert code for F51 here>  
F51-FN. EXIT.  
*N90.      NOTE *****  
*          *  
*          * ECRITURES  
*          *  
*****  
  
F90.      EXIT.
```

lv05

lv05

CODE INSERTION

- Function/Sub-function insertion wizard (Batch programs)





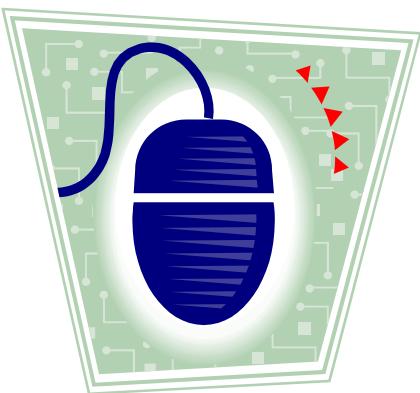
CODE INSERTION

- Function/Sub-function insertion wizard (Batch programs)

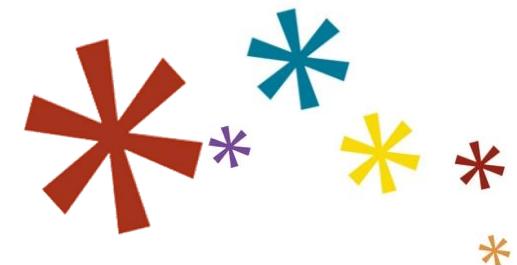
```
*N51.      NOTE ****.
*          *
*          * APRES TRANSFERTS
*          *
*          ****.
F51.
*<insert code for F51 here>
*N51BB.    NOTE * Compl.Transferts
F51BB.          GO TO      F51BB-B.
F51BB-A.
          IF      condition
          GO TO      F51BB-FN.
F51BB-B.
*<insert code for F51BB here>
F51BB-900. GO TO F51BB-A.
F51BB-FN. EXIT.
F51-FN. EXIT.
*N90.      NOTE ****.
*          *
*          * ECRITURES
*          *
```

lv05

lv10

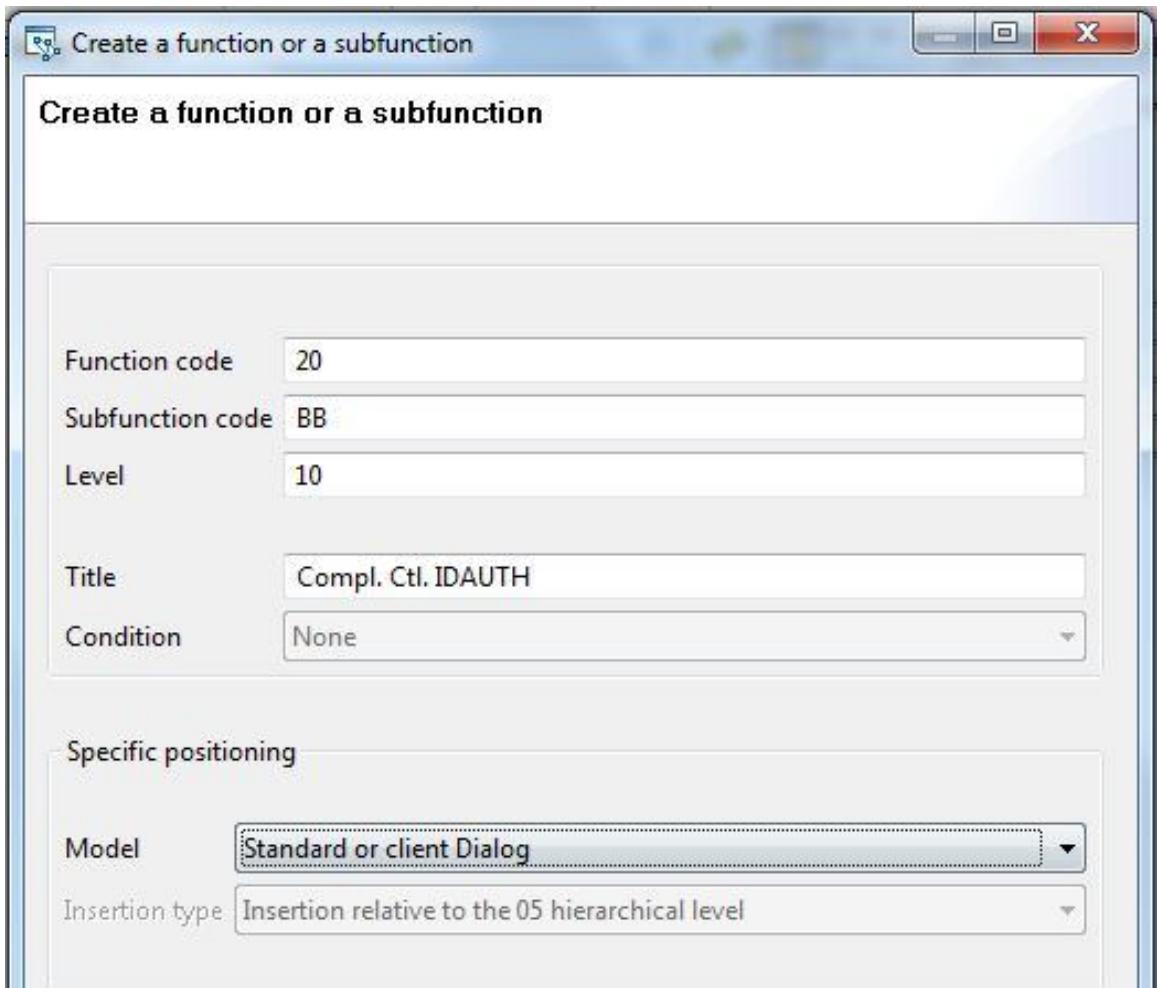


CODE INSERTION DIALOG PROGRAM



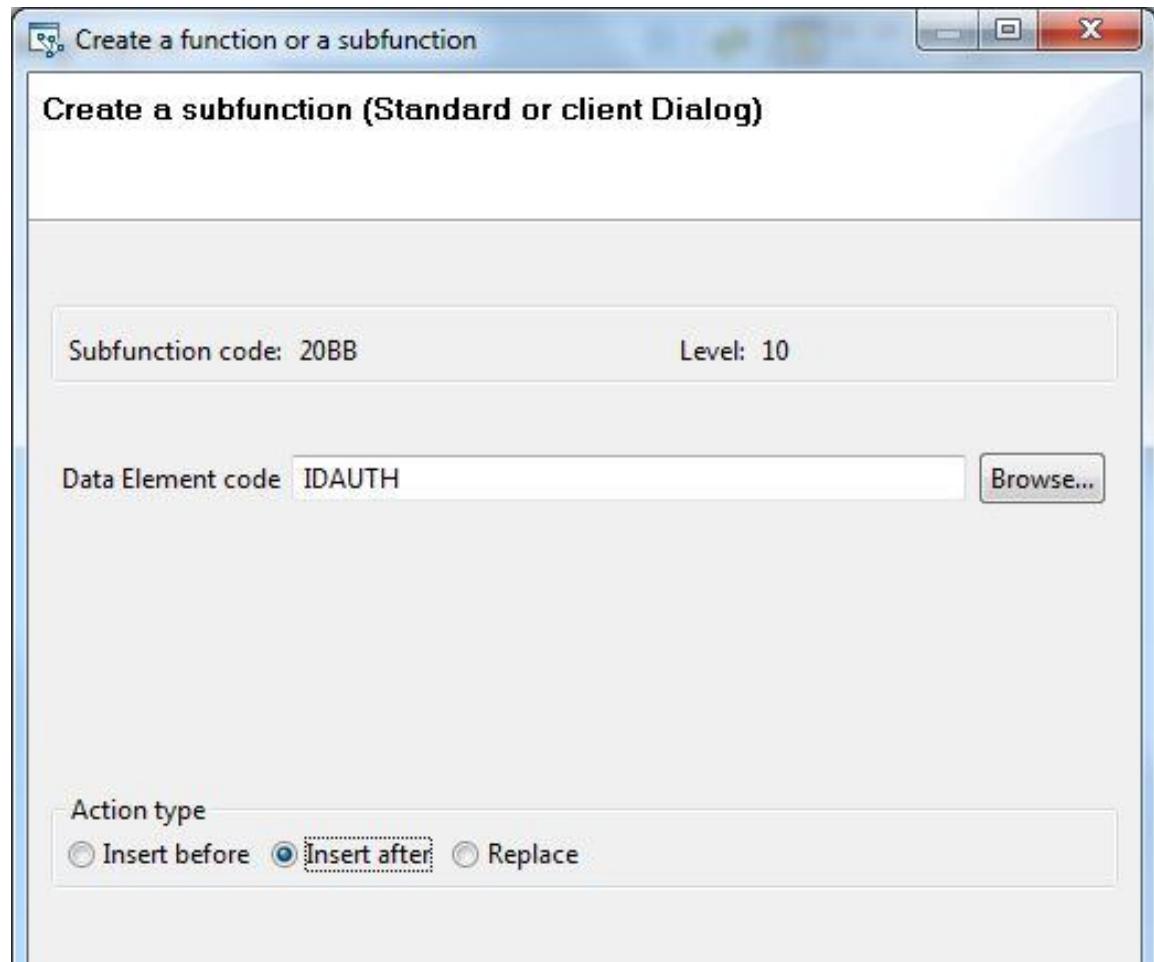
CODE INSERTION

- Function/Sub-function insertion wizard (Dialog program)



CODE INSERTION

- Function/Sub-function insertion wizard (Dialog program)



CODE INSERTION

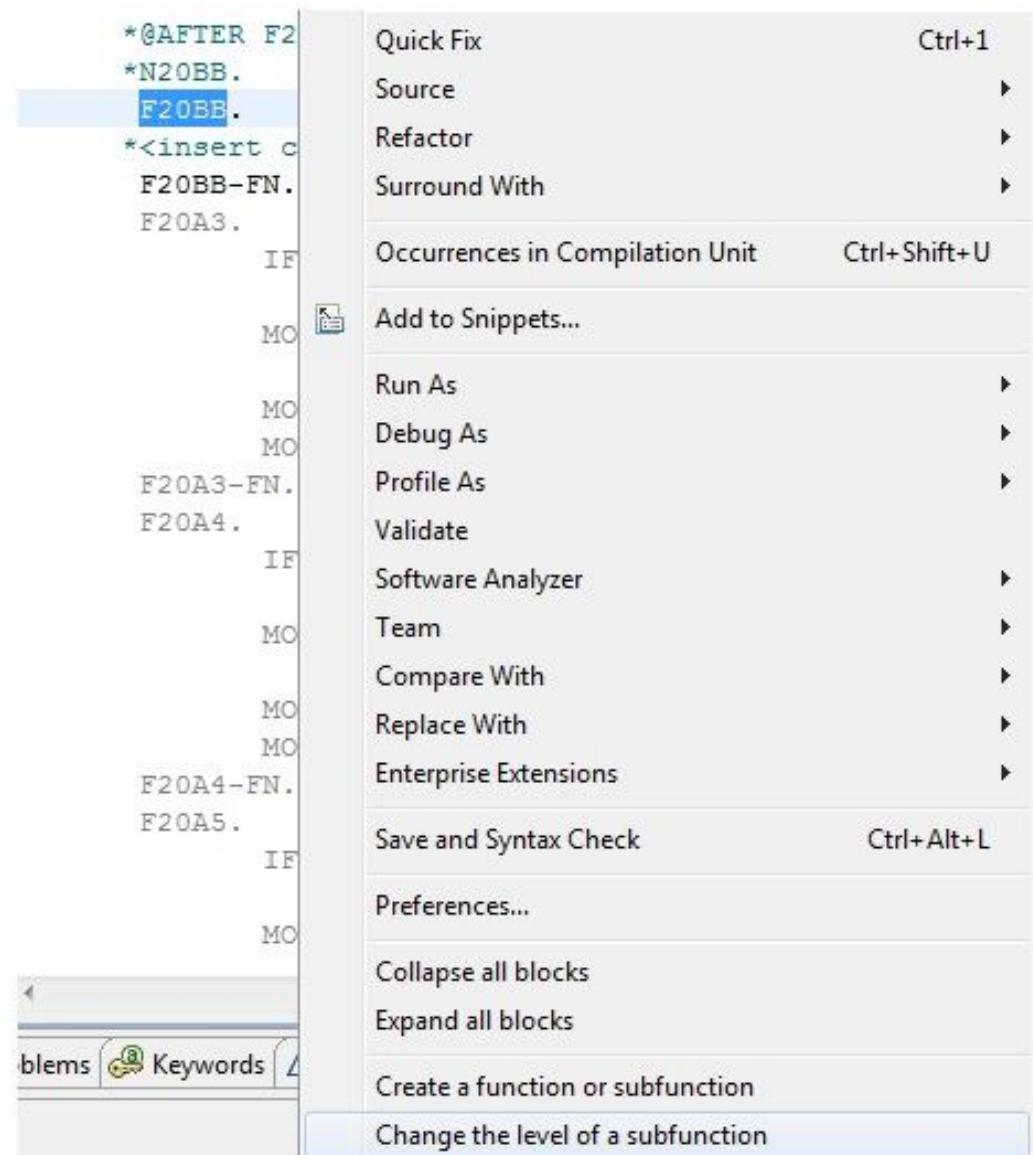
■ Function/Sub-function insertion wizard (Dialog program)

```
F20A2.  
    IF CATM = SPACE  
        IF I-002A-IDAUTH NOT = SPACE  
            MOVE '1' TO PR-2A-IDAUTH  
        ELSE  
            MOVE '2' TO PR-2A-IDAUTH  
            MOVE 'E' TO CATG  
        GO TO F20A2-FN.  
    F20A2-FN. EXIT.  
*@AFTER F20A-IDAUTH  
*N20BB. NOTE * Compl. Ctl. IDAUTH  
    F20BB.  
*<insert code for F20BB here>  
    F20BB-FN. EXIT.  
F20A3.  
    IF CATM = 'A' OR CATM = SPACE  
        IF I-002A-LNAUT1 NOT = SPACE  
            GO TO F20A3-FN.
```



CODE INSERTION

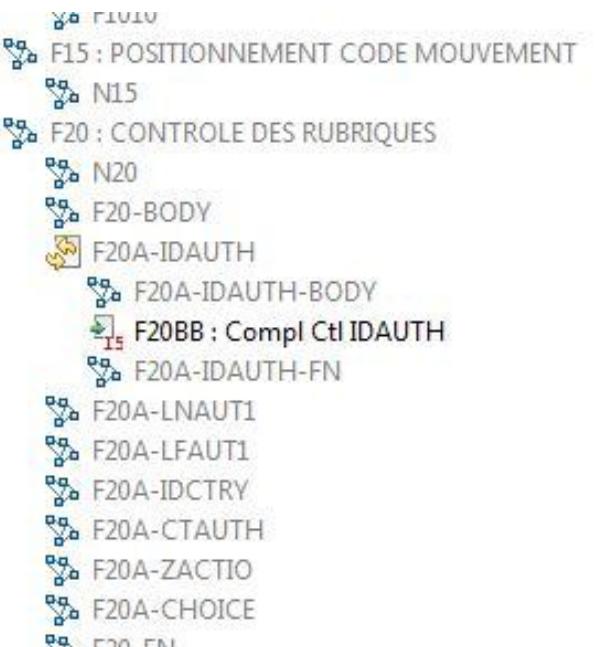
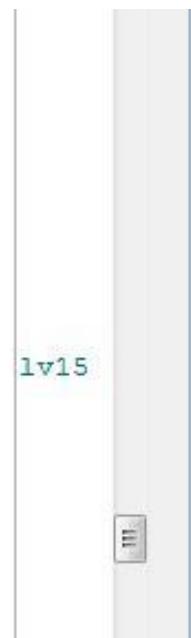
- Function/Sub-function insertion wizard (Dialog program)



CODE INSERTION

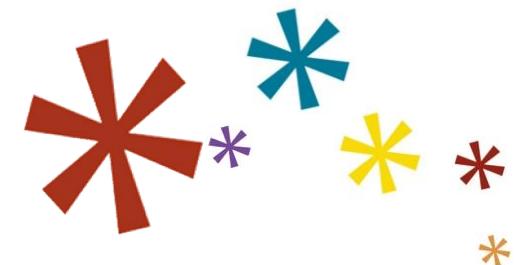
■ Function/Sub-function insertion wizard (Dialog program)

```
F20A2.  
    IF CATM = SPACE  
        IF I-002A-IDAUTH NOT = SPACE  
            MOVE '1' TO PR-2A-IDAUTH  
            ELSE  
                MOVE '2' TO PR-2A-IDAUTH  
                MOVE 'E' TO CATG  
                GO TO F20A2-FN.  
  
*@AFTER F20A-IDAUTH  
*N20BB.    NOTE * Compl. Ctl. IDAUTH  
F20BB.  
*<insert code for F20BB here>  
F20BB-FN. EXIT.  
F20A2-FN. EXIT.  
F20A3.  
    IF CATM = 'A' OR CATM = SPACE  
        IF I-002A-LNAUT1 NOT = SPACE  
            MOVE '1' TO PR-2A-LNAUT1  
            GO TO F20A3-FN.
```

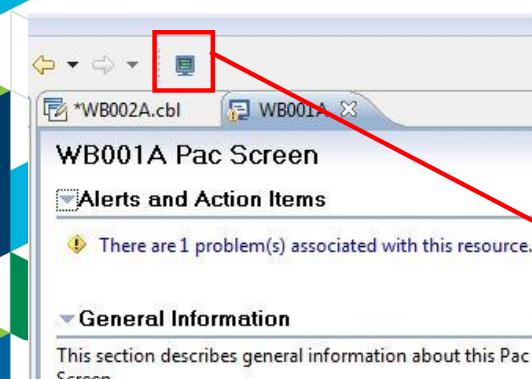




SCREEN SIMULATION



SCREEN SIMULATION



*WB002A.cbl

WB002A

Author for update

Author Code.....: ALLENDE*I
Author's Name.....: ALLENDE
Author Firstname..: Isabel
Country Code.....: USA
Author type.....: NO

A.....: C

CHOICES ALLOWED : UP=UPDATE ME=Menu EN=End of Work

Choice.....: UP

XX

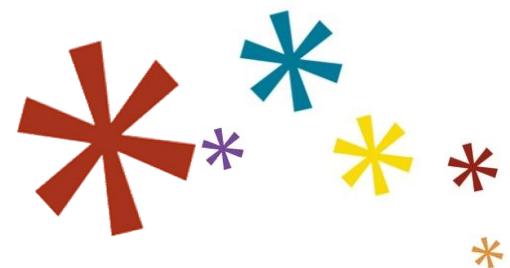
MA a 01/001

Generated Code Structure

- N05
- F0510
- F0512
- F0520 : CONTROLE CODE OPERATION
- F10 : POSITIONNEMENT CATEGORIE
 - N10
 - F1010
- F15 : POSITIONNEMENT CODE MOUVEMENT
 - N15
 - F20 : CONTROLE DES RUBRIQUES
 - N20



COMPARISON



COMPARISON

Difference detection

New symbol : Model artifact
updated Generation required

LOAD1A X *->LOAD1A.cbl

LOAD1A Pac Program

▶ Alerts and Action Items

▼ General Information

This section describes general information about this Pac Program.

Working Context: BVAP900.MDF [Hierarchy...](#)

Name: LOAD1A

Label: Load MM1A for SEQ/IX [Nouveau](#)

▼ Definition

The following definition is set for this Pac Program.

COBOL program ID:

▼ CD Lir

The following

[Input](#)

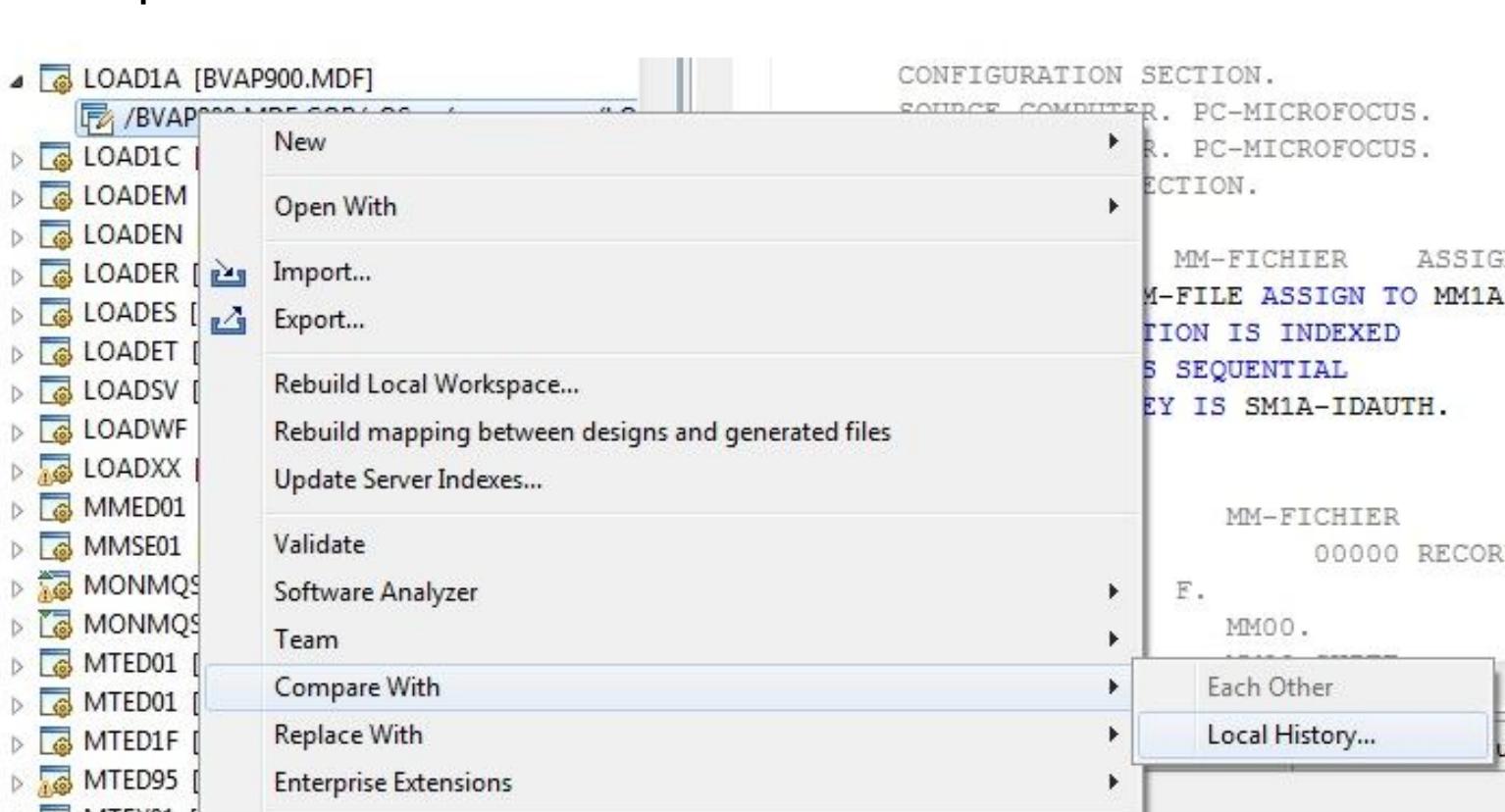
[Outp](#)

▼ CP Lir

The followi

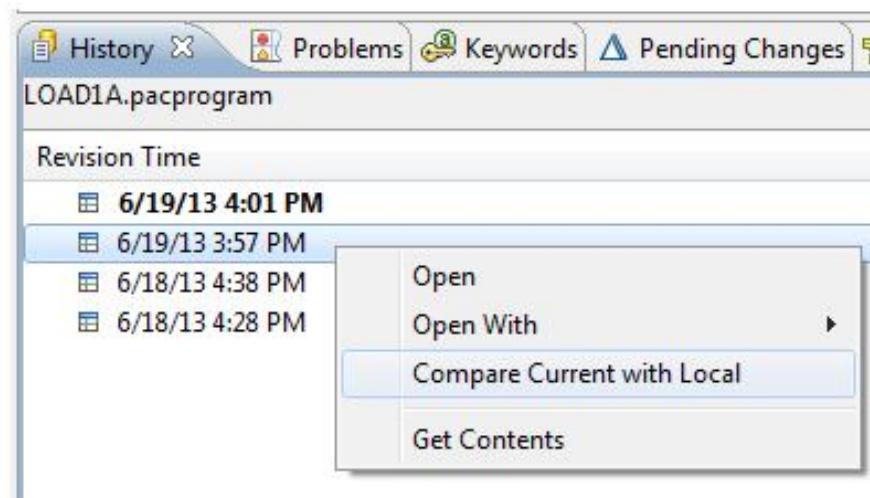
COMPARISON

- Compare to previous/former version



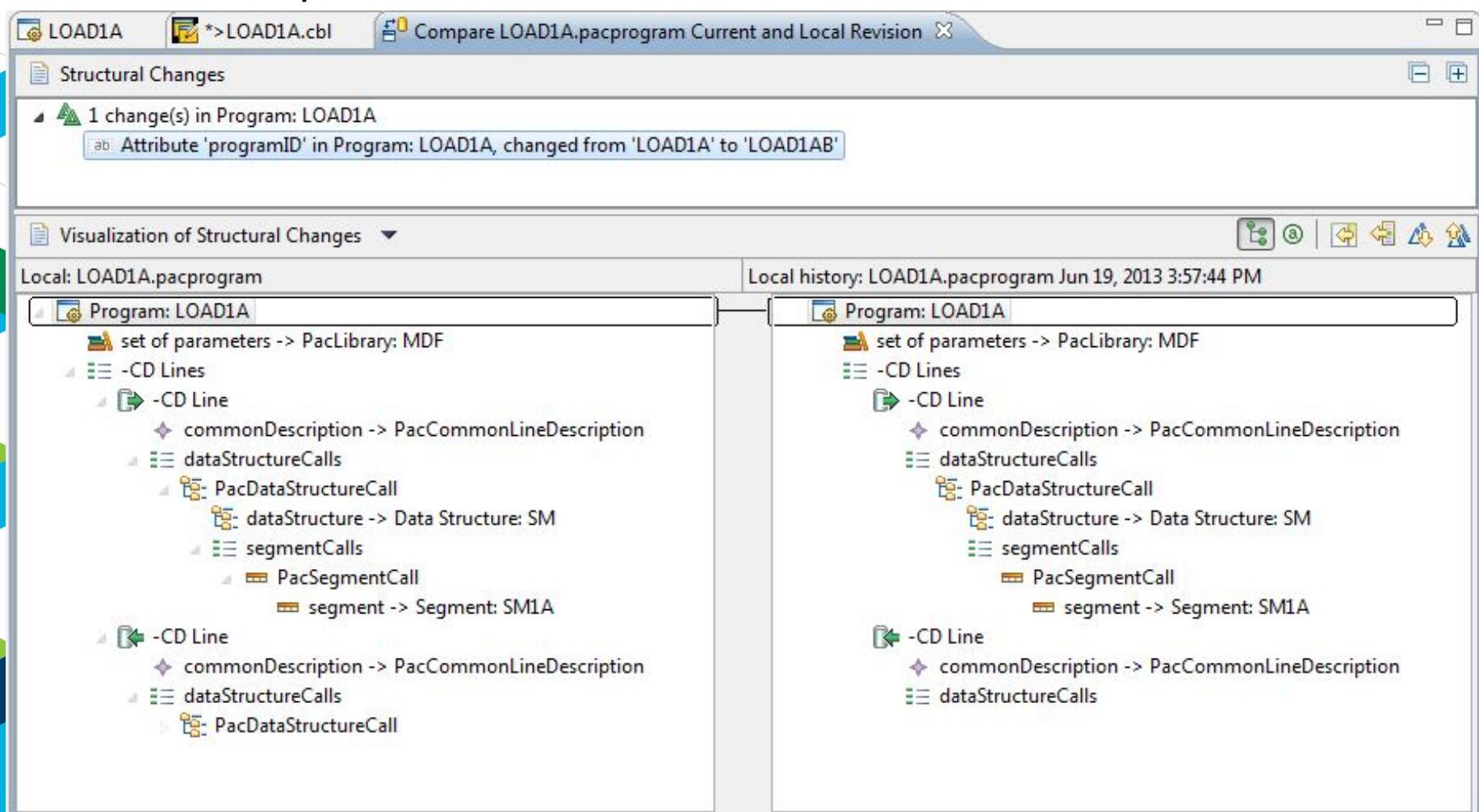
COMPARISON

■ Version selection



COMPARISON

Model Comparison



COMPARISON

Source Code Comparison

The screenshot shows a software interface for comparing COBOL source code. The title bar indicates it is comparing the current and local revision of the file `*>LOAD1A.cbl`. The left pane shows a tree view of the COBOL Structure Compare, listing two programs: `PROGRAM: LOAD1A` and `PROGRAM: LOAD1AB`. The right pane displays the COBOL Source Compare results.

Local: LOAD1A.cbl

```
IDENTIFICATION DIVISION.  
PROGRAM-ID. LOAD1A.  
*AUTHOR. Load MM1A for SEQ/IX.  
*DATE-COMPILED. 19/06/13.  
ENVIRONMENT DIVISION.  
CONFIGURATION SECTION.  
SOURCE-COMPUTER. PC-MICROFOCUS.  
OBJECT-COMPUTER. PC-MICROFOCUS.  
INPUT-OUTPUT SECTION.  
FILE-CONTROL.
```

Local history: LOAD1A.cbl Jun 18, 2013 4:38:45 PM

```
IDENTIFICATION DIVISION.  
PROGRAM-ID. LOAD1AB.  
*AUTHOR. Load MM1A for SEQ/IX.  
*DATE-COMPILED. 18/06/13.  
ENVIRONMENT DIVISION.  
CONFIGURATION SECTION.  
SOURCE-COMPUTER. PC-MICROFOCUS.  
OBJECT-COMPUTER. PC-MICROFOCUS.  
INPUT-OUTPUT SECTION.  
FILE-CONTROL.
```

01 CONSTANTES-PAC.

05 FILLER PICTURE X(87) VALUE	"9999 MDF19/06/13LOAD1ADMIN"
-	"19/06/20133.5 V0407/06/201216/05/2011".

01 PAC-CONSTANTES REDEFINES CONSTANTES-PAC.

05 NUGNA PICTURE X(5).	"9999 MDF18/06/13LOAD1ADMIN"
05 APPLI PICTURE X(3).	-
01 PAC-CONSTANTES REDEFINES CONSTANTES-PAC.	"18/06/20133.5 V0407/06/201216/05/2011".
05 NUGNA PICTURE X(5).	01 PAC-CONSTANTES REDEFINES CONSTANTES-PAC.
05 APPLI PICTURE X(3).	05 NUGNA PICTURE X(5).

COMPARISON

Comparison between two entities

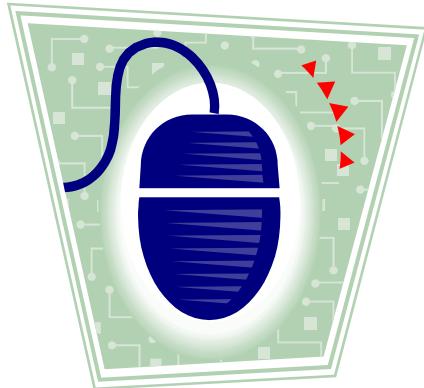
Compare ('BVAP900.MDF/rpp/LOAD1A.pacprogram' - 'BVAP900.MDF/rpp/LOAD1C.pacprogram')

Structural Changes

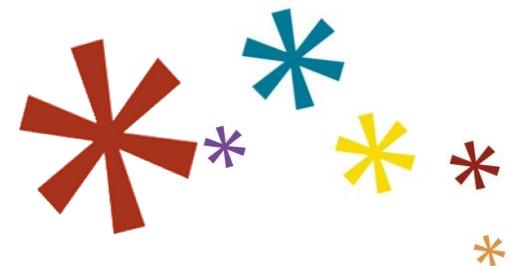
- 10 change(s) in Program: LOAD1A
 - Attribute 'label' in Program: LOAD1A, changed from 'Load MM1C for SEQ/IX' to 'Load MM1A for SEQ/IX'
 - Attribute 'name' in Program: LOAD1A, changed from 'LOAD1C' to 'LOAD1A'
 - Attribute 'programID' in Program: LOAD1A, changed from 'LOAD1C' to 'LOAD1AB'
- 4 change(s) in -CD Line
 - Attribute 'externalName' in -CD Line, changed from 'MM' to 'SSMM1A'
 - 1 change(s) in PacCommonLineDescription
 - Attribute 'organization' in PacCommonLineDescription, changed from '_W' to '_S'
 - 2 change(s) in PacDataStructureCall
 - PacSegmentCall added
 - PacSegmentCall removed

Visualization of Structural Changes

BVAP900.MDF/rpp/LOAD1A.pacprogram	BVAP900.MDF/rpp/LOAD1C.pacprogram
Program: LOAD1A <ul style="list-style-type: none">set of parameters -> PacLibrary: MDF-CD Lines<ul style="list-style-type: none">-CD Line<ul style="list-style-type: none">commonDescription -> PacCommonLineDescriptiondataStructureCalls<ul style="list-style-type: none">PacDataStructureCall<ul style="list-style-type: none">dataStructure -> Data Structure: SMsegmentCalls<ul style="list-style-type: none">PacSegmentCall<ul style="list-style-type: none">segment -> Segment: SM1A-CD Line	Program: LOAD1C <ul style="list-style-type: none">set of parameters -> PacLibrary: MDF-CD Lines<ul style="list-style-type: none">-CD Line<ul style="list-style-type: none">commonDescription -> PacCommonLineDescriptiondataStructureCalls<ul style="list-style-type: none">PacDataStructureCall<ul style="list-style-type: none">dataStructure -> Data Structure: SMsegmentCalls<ul style="list-style-type: none">PacSegmentCall<ul style="list-style-type: none">segment -> Segment: SM1C-CD Line

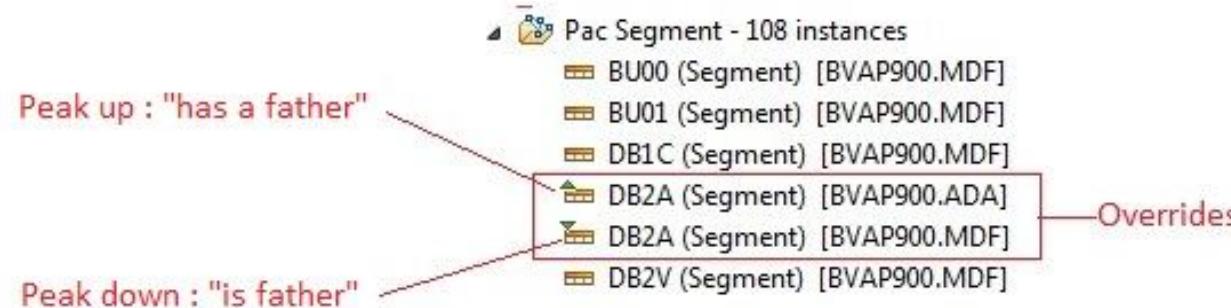


DEPENDENCE RELATIONSHIPS



DEPENDANCE RELATIONSHIPS - OVERRIDES

- Visualization in Design Explore view



DEPENDANCE RELATIONSHIPS - OVERRIDES

De-synchronization

"Child" segment with
warning sign telling not
in synch anymore

The screenshot shows the SAP ABAP Workbench interface. On the left, the 'Design Explorer' window lists various segments and screens. A red arrow points from the text "Child segment with warning sign telling not in synch anymore" to the 'DB2A (Segment) [BVAP900.MDF]' entry, which has a yellow warning icon next to it. On the right, the 'DB2A' dialog box is open, titled 'DB2A Segment - CE Lines'. It contains a section for '-CE Lines Definition' with the instruction 'Specify the -CE lines for this Pac Segment.' Below this is a table with columns 'Name', 'Label', and 'Internal Format'. The table lists several data elements:

Name	Label	Internal Format
IDAUTH	Author Identifier	X(10)
LNAUTH	Author Name	X(60)
LFAUTH	Author First Name	X(60)
IDCTRY	Country Identifier	X(3)
CTAUTH	Author Type	XX
YRBRTTH	Birth Year	S9999
YRDETH	Death Year	S9999
CTNOBL	Nobel prize	X
YRNOBL	Nobel Prize Year	S9999
ZZZZZZ	Data element model	X(10)

Data Element added in the "Father" description

DEPENDANCE RELATIONSHIPS - OVERRIDES

■ De-synchronization

The screenshot shows the Rational Rose UML modeling tool. On the left, the Design Explorer pane lists various UML elements, including 'Pac Screen - 30 instances' and 'Pac Segment - 108 instances'. Under 'Pac Segment', several segments are listed, with 'DB2A (Segment) [BVAP900.ADA]' highlighted. The main workspace displays the 'DB2A Segment' details. In the 'Alerts and Action Items' section, a warning message states: 'There are 1 problem(s) associated with this resource.' Below this, the 'General Information' section provides details about the segment. The 'Problems' tab in the bottom navigation bar shows '0 errors, 1 warning, 0 others'. A detailed table in the 'Problems' tab lists one warning:

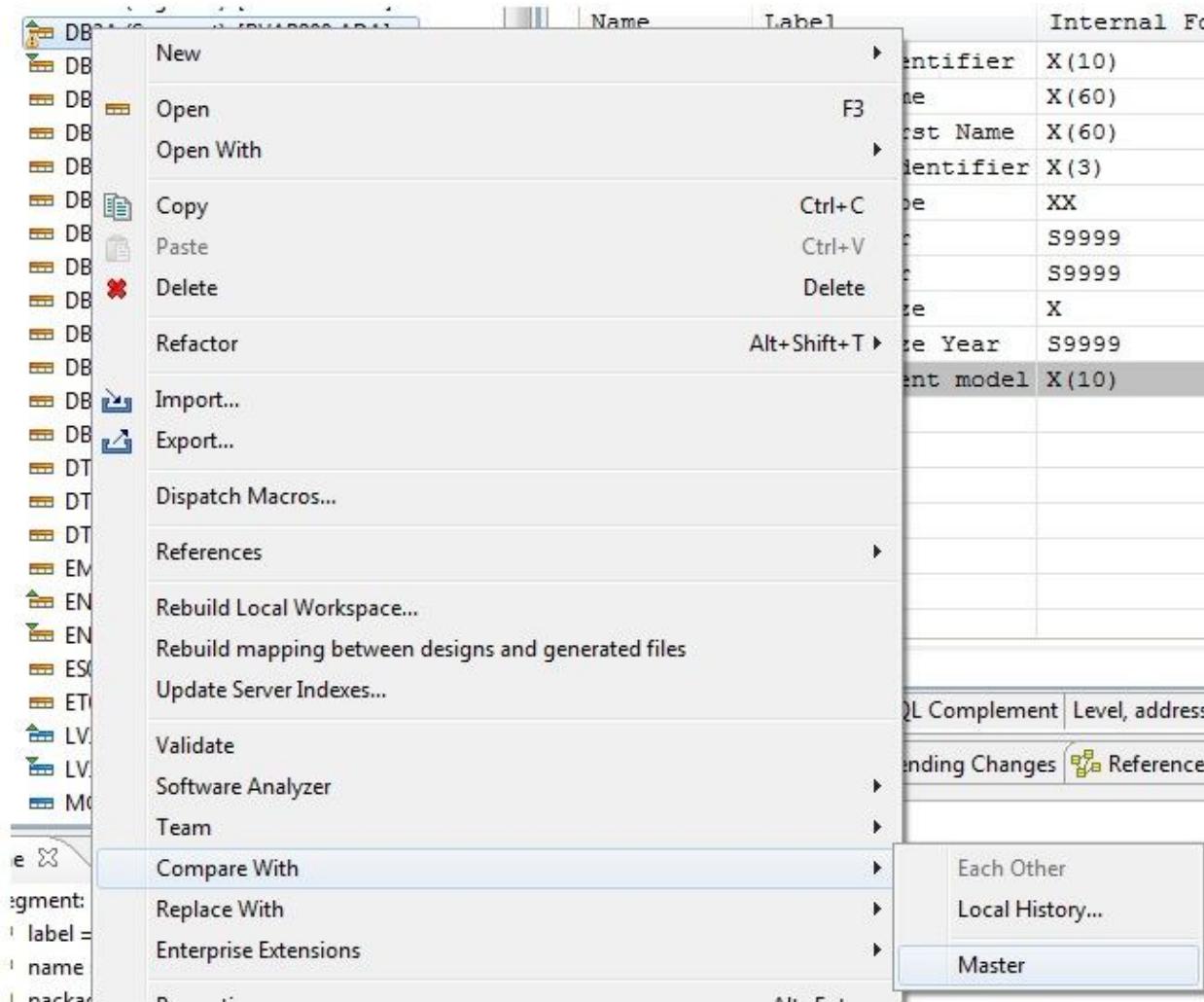
Description	Resource	Path	Location	Type	
⚠ Warnings (1 item)	⚠ The Pac Segment 'DB2A'	DB2A.dataaggregate	/BVAP900.ADA/rpp	BVAP900.ADA	Design Synchronization

Annotations in red text at the bottom explain the visual indicators:

- 'Child marked with warning' points to the 'DB2A (Segment)' entry in the Design Explorer.
- 'Warning on the overview tab of the Child' points to the warning icon in the 'Alerts and Action Items' section of the main window.
- 'Message in the Problem tab' points to the warning entry in the 'Problems' tab.

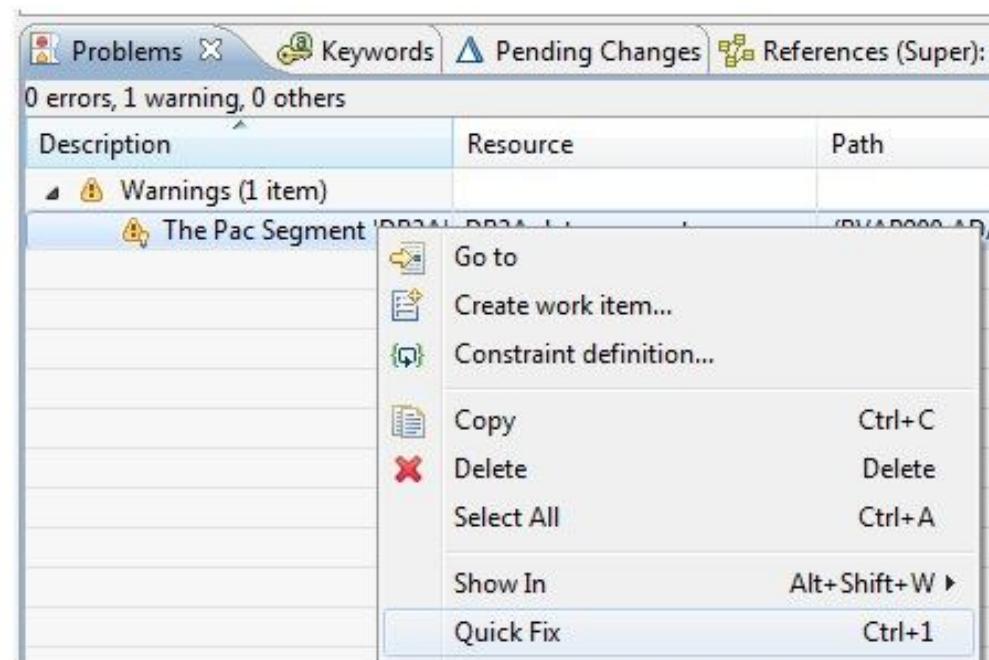
DEPENDANCE RELATIONSHIPS - OVERRIDES

Comparison (1/3)



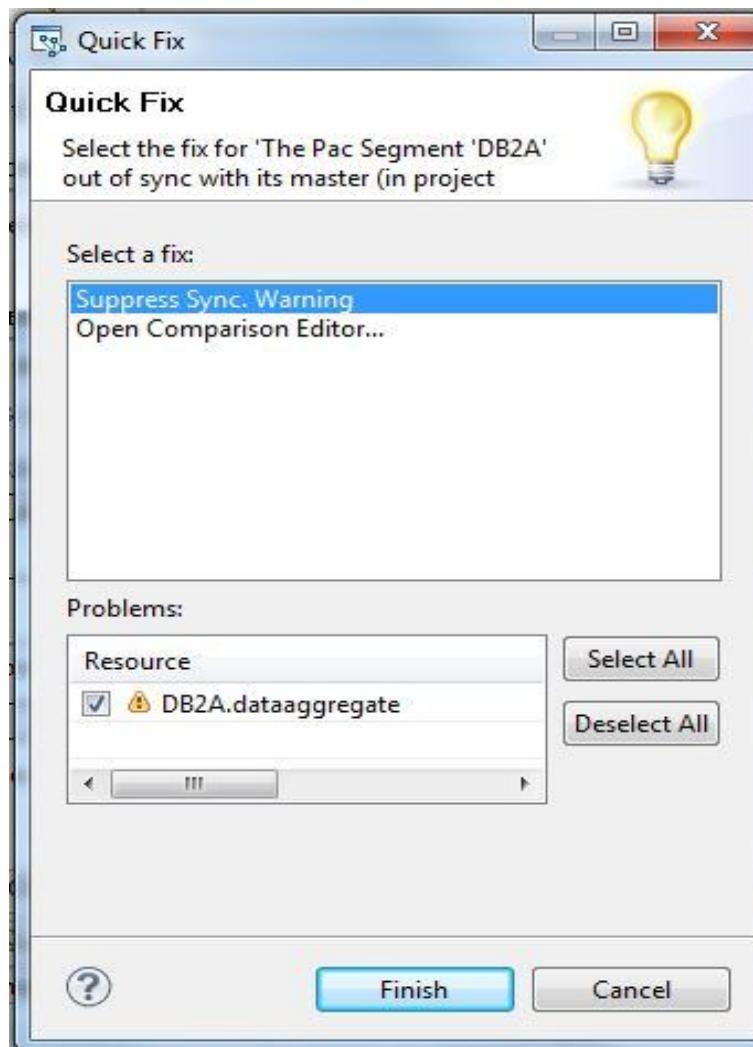
DEPENDANCE RELATIONSHIPS - OVERRIDES

Comparison (2/3) – Quick Fix



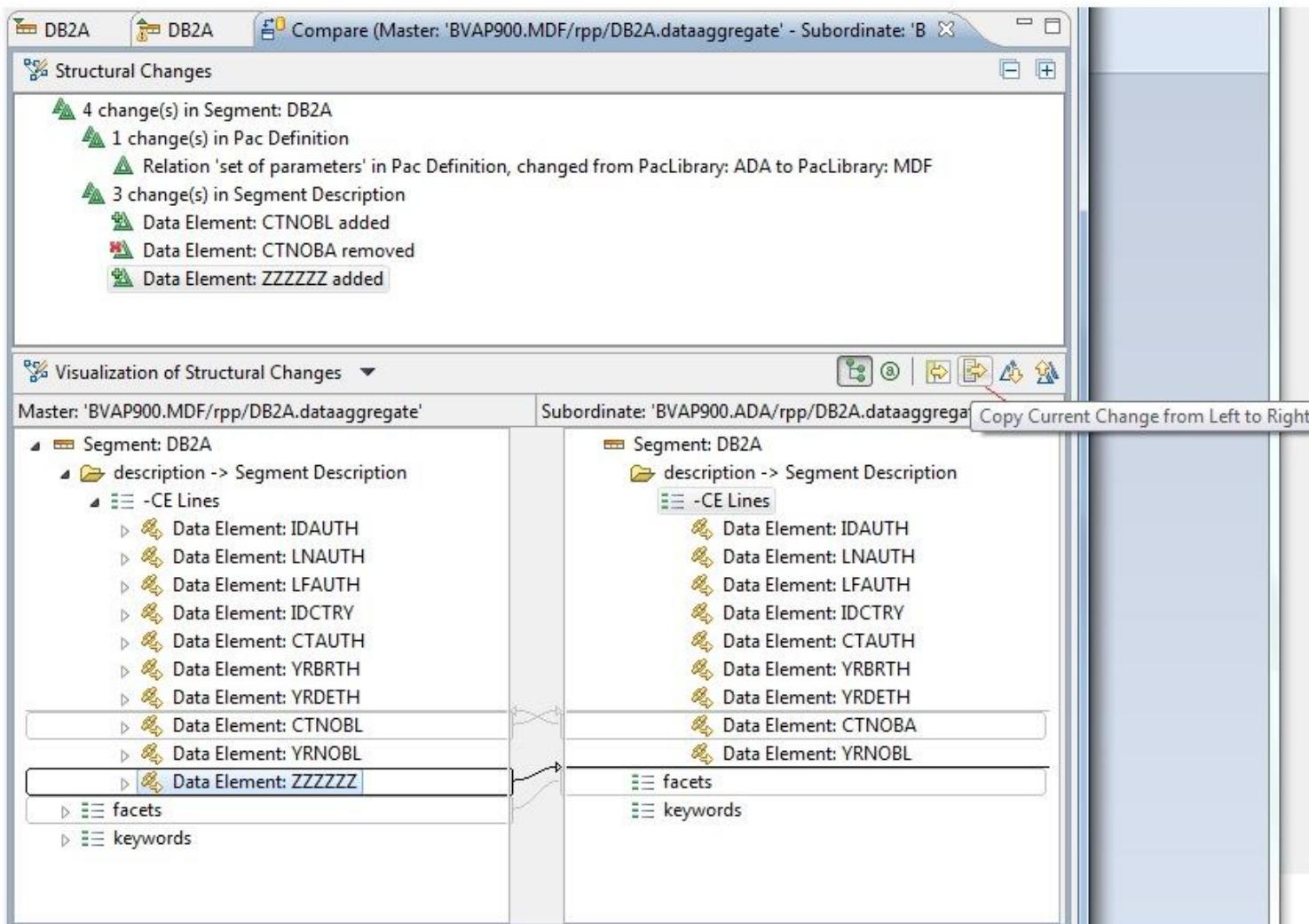
DEPENDANCE RELATIONSHIPS - OVERRIDES

Comparison (3/3) – Quick Fix



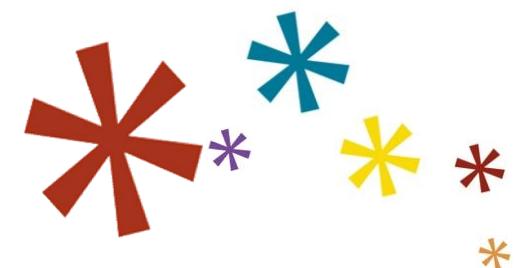
DEPENDANCE RELATIONSHIPS - OVERRIDES

Synchronization



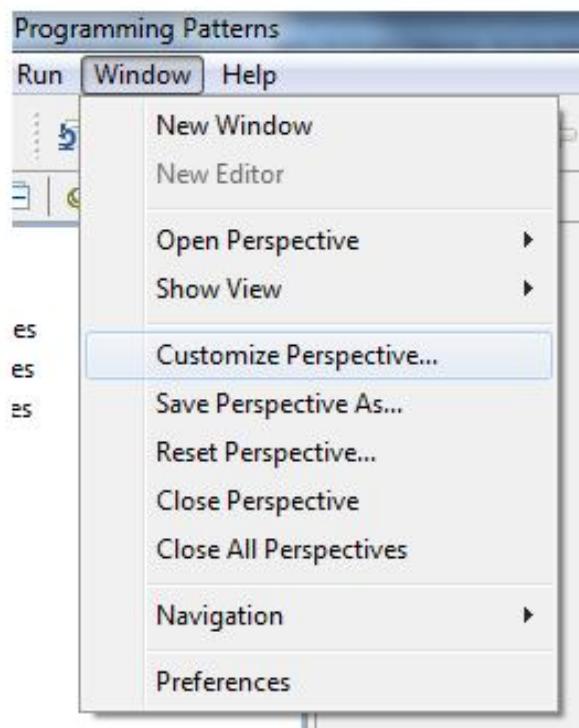


REMINDER QUALITY CONTROL



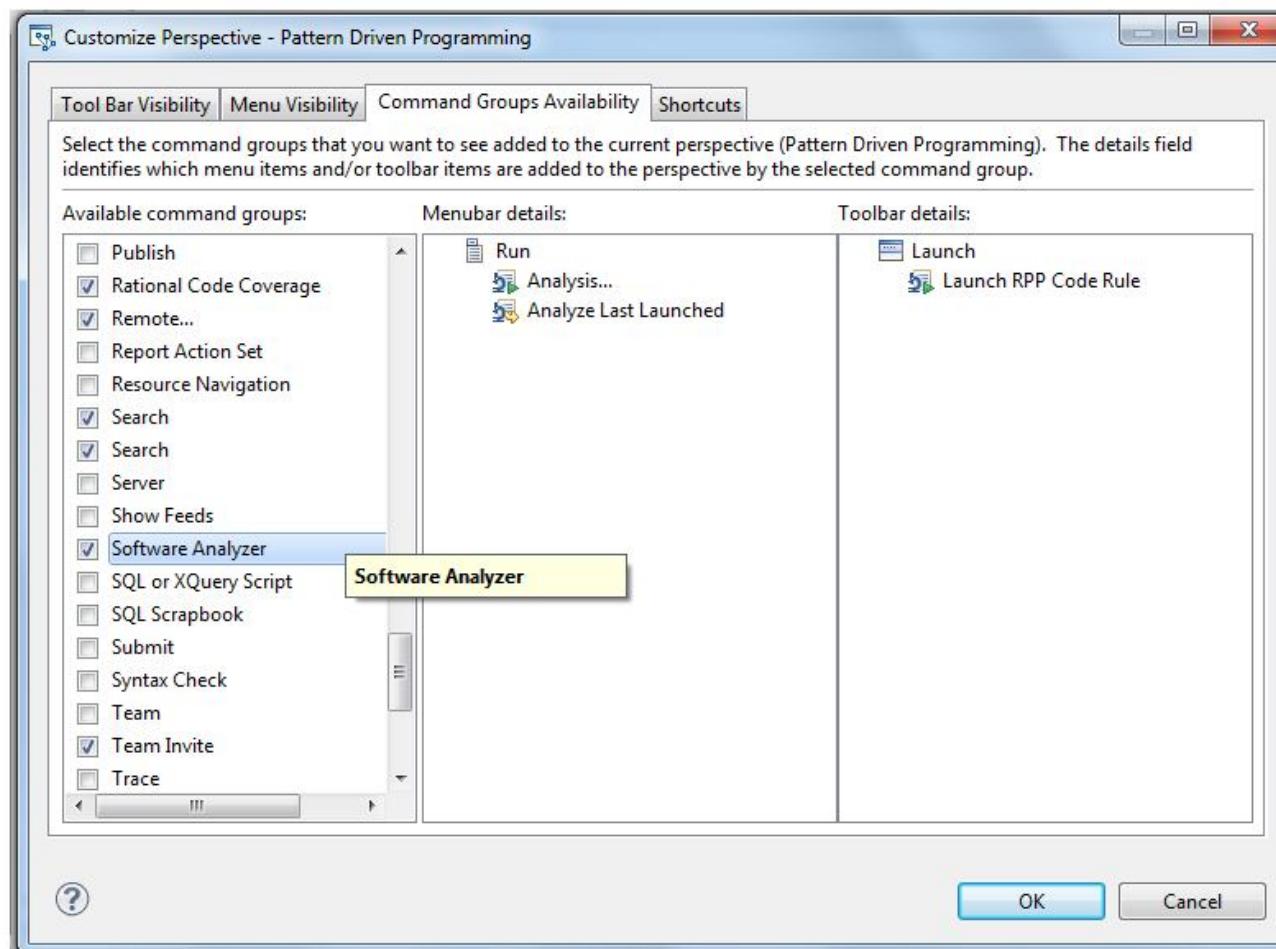
QUALITY CONTROL

■ Customize tool bar



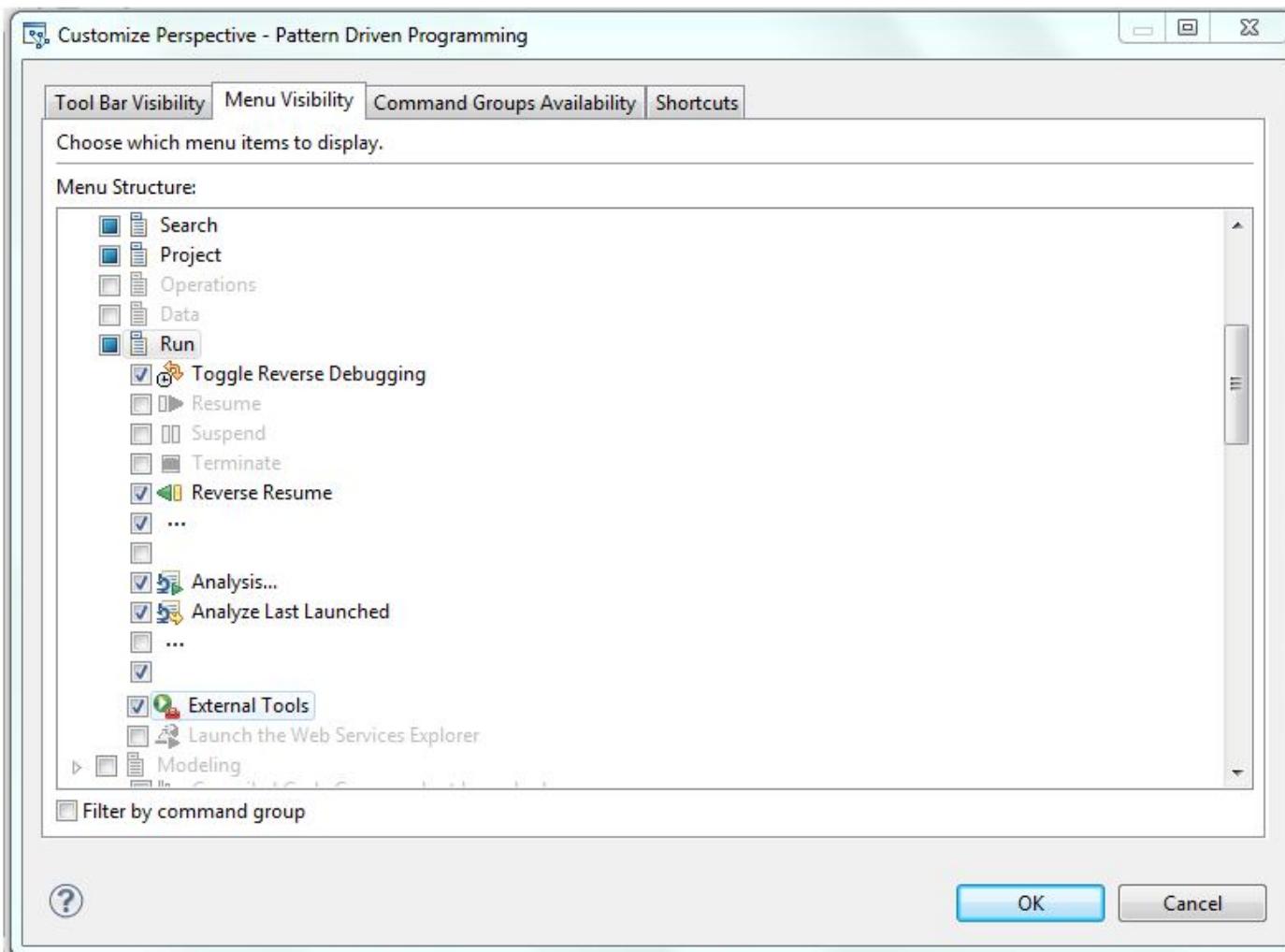
QUALITY CONTROL

- Ensure Software Analyzer is available



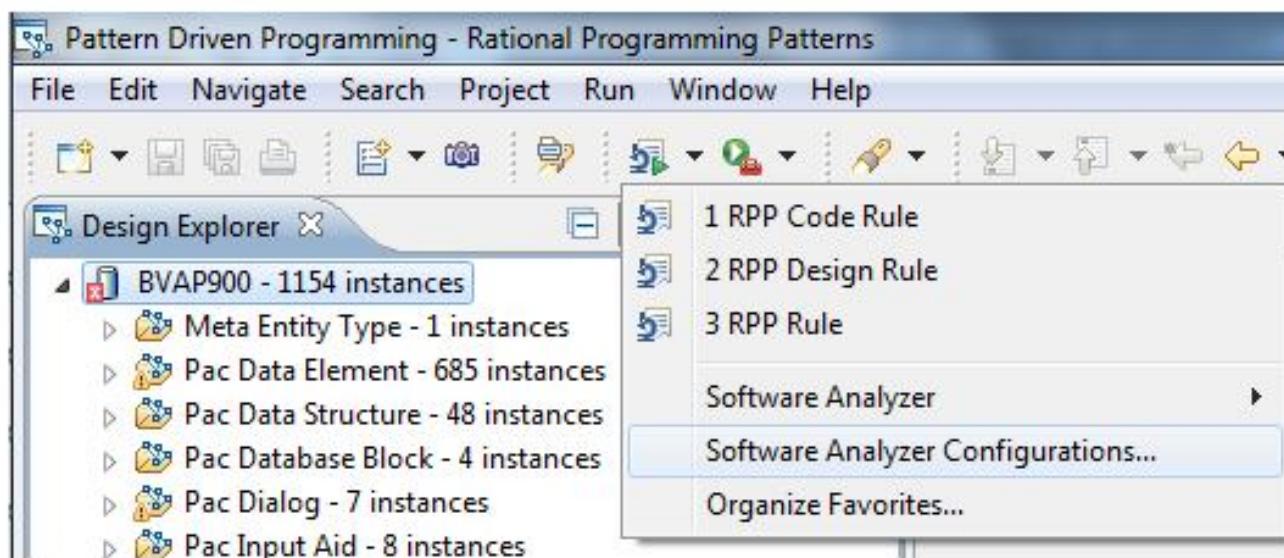
QUALITY CONTROL

- Ensure Software Analyzer is available



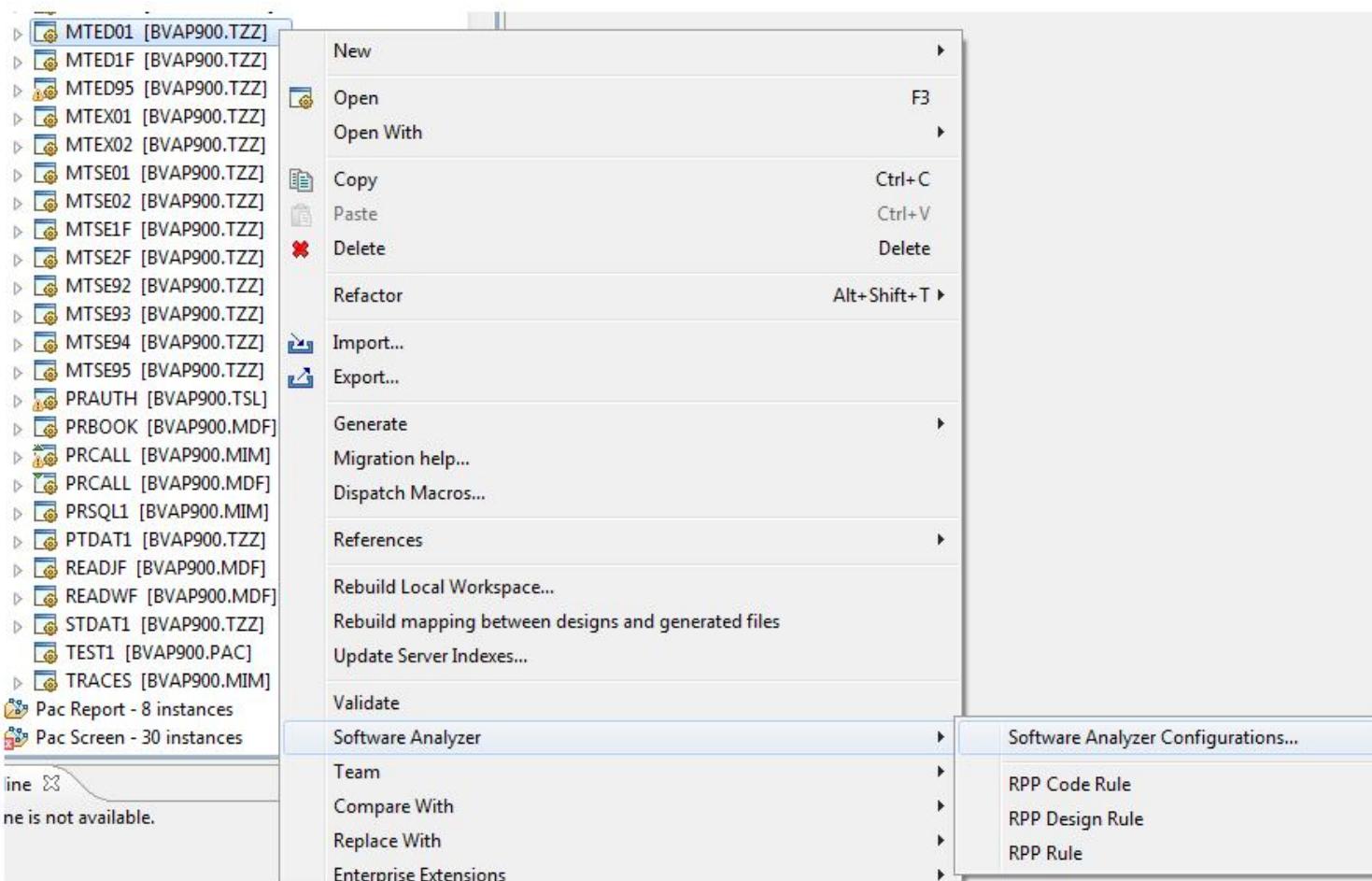
QUALITY CONTROL

- Create rules – from tool bar



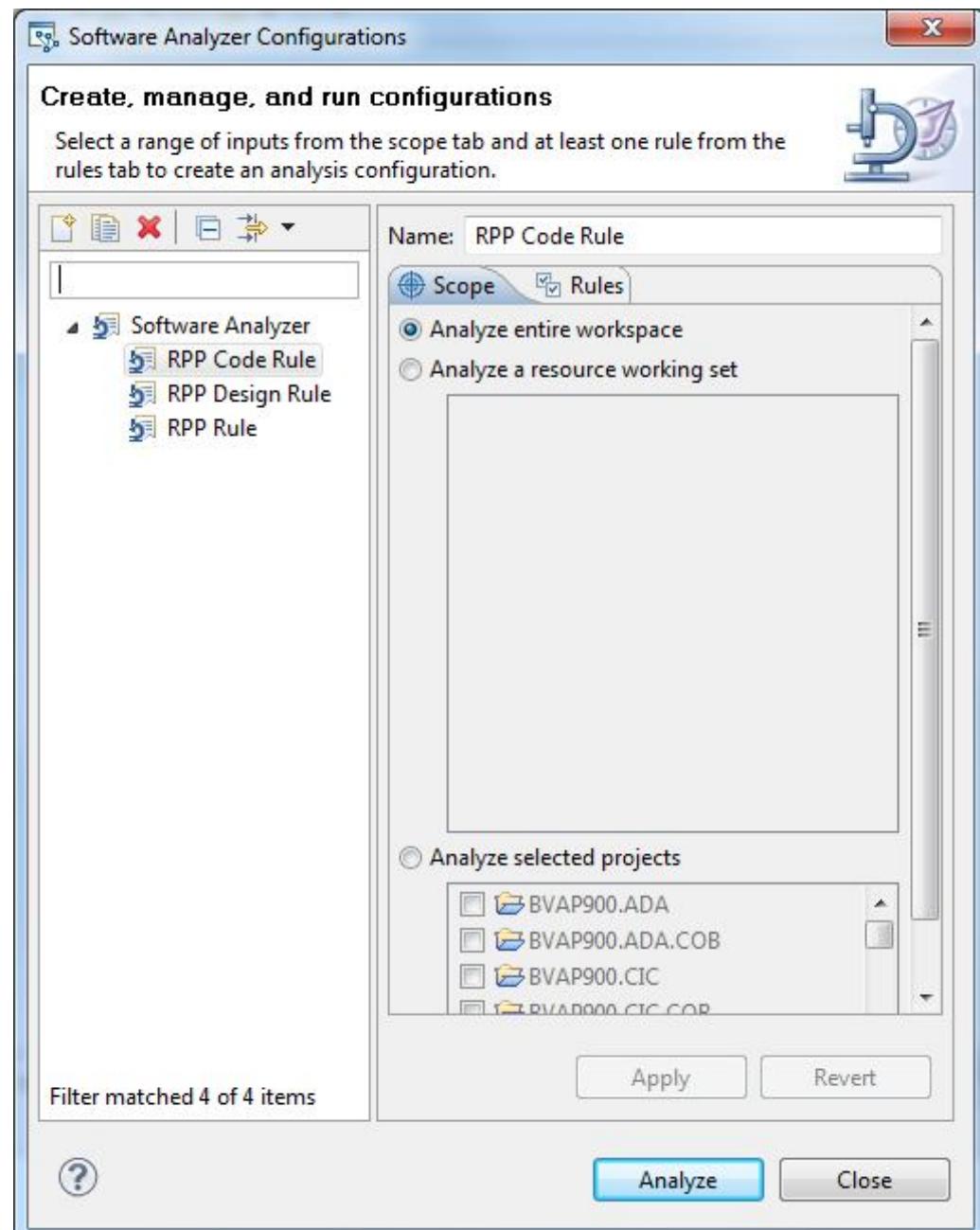
QUALITY CONTROL

■ Create rules – from Contextual menu



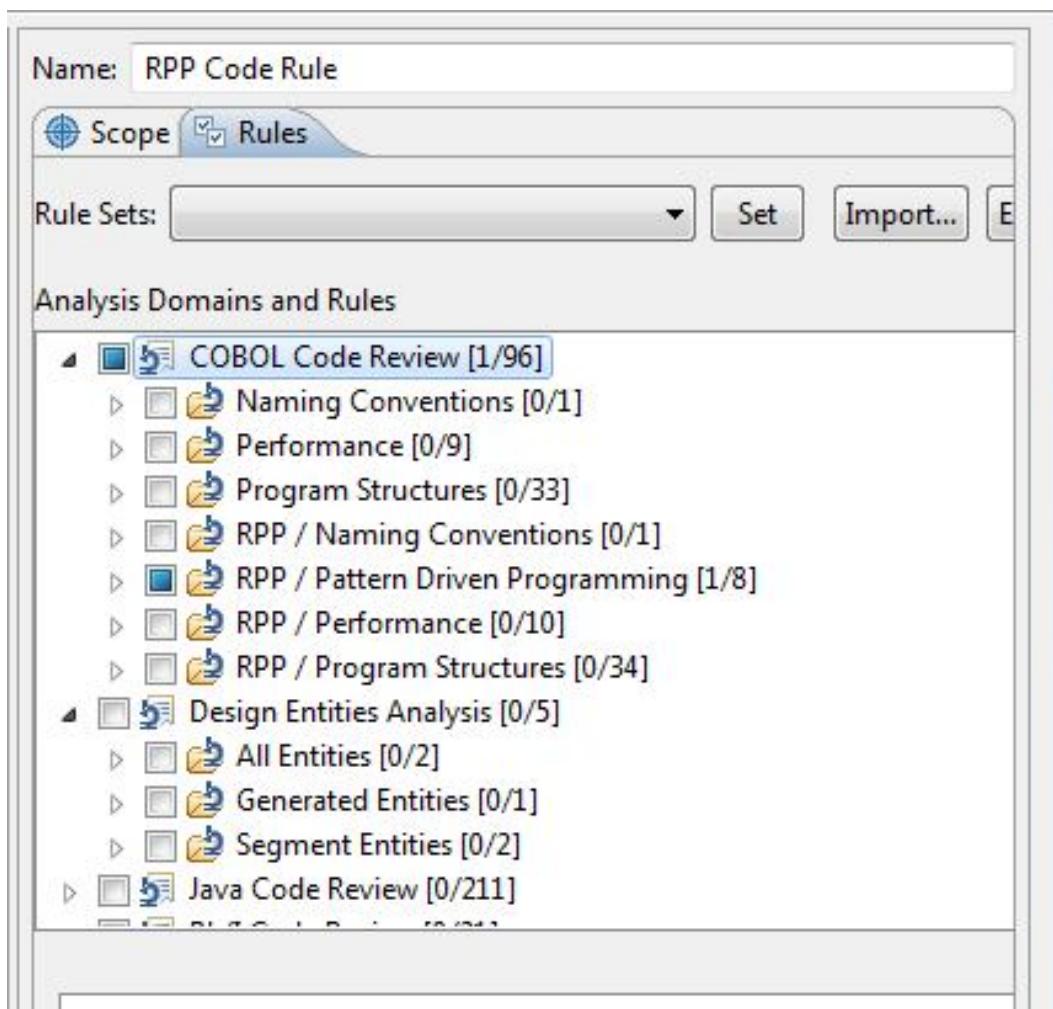
QUALITY CONTROL

- Create rules
 - Define scope



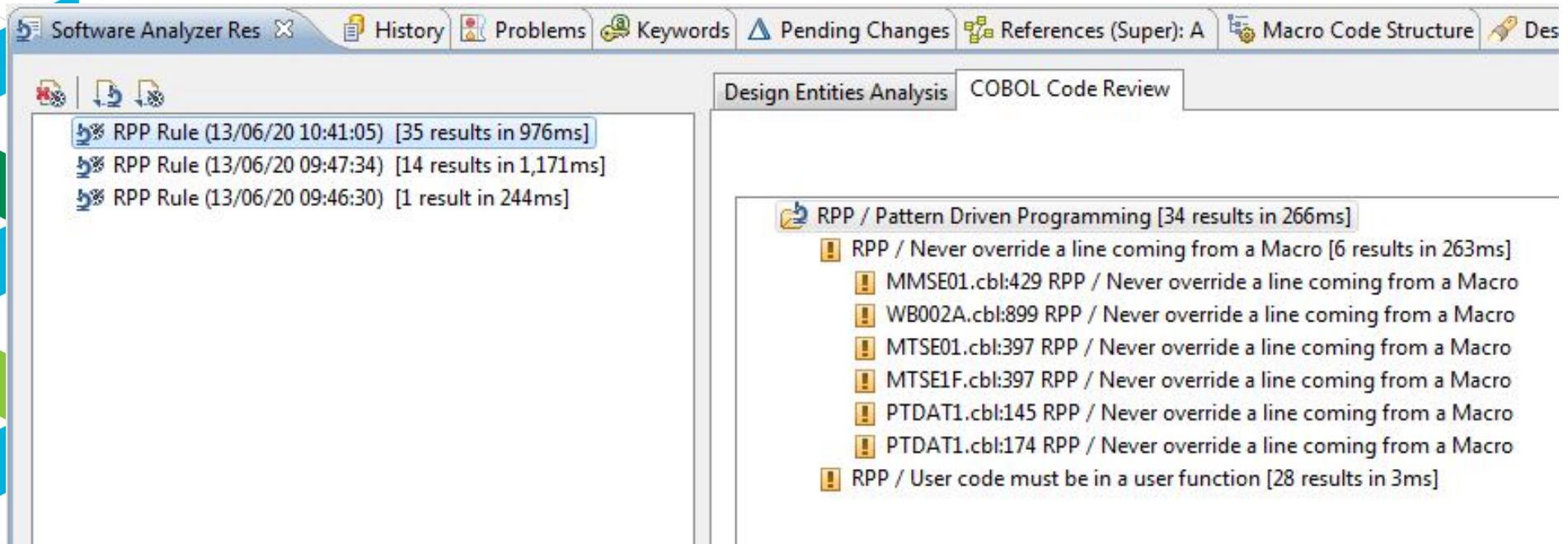
QUALITY CONTROL

- Create rules
 - Select rule



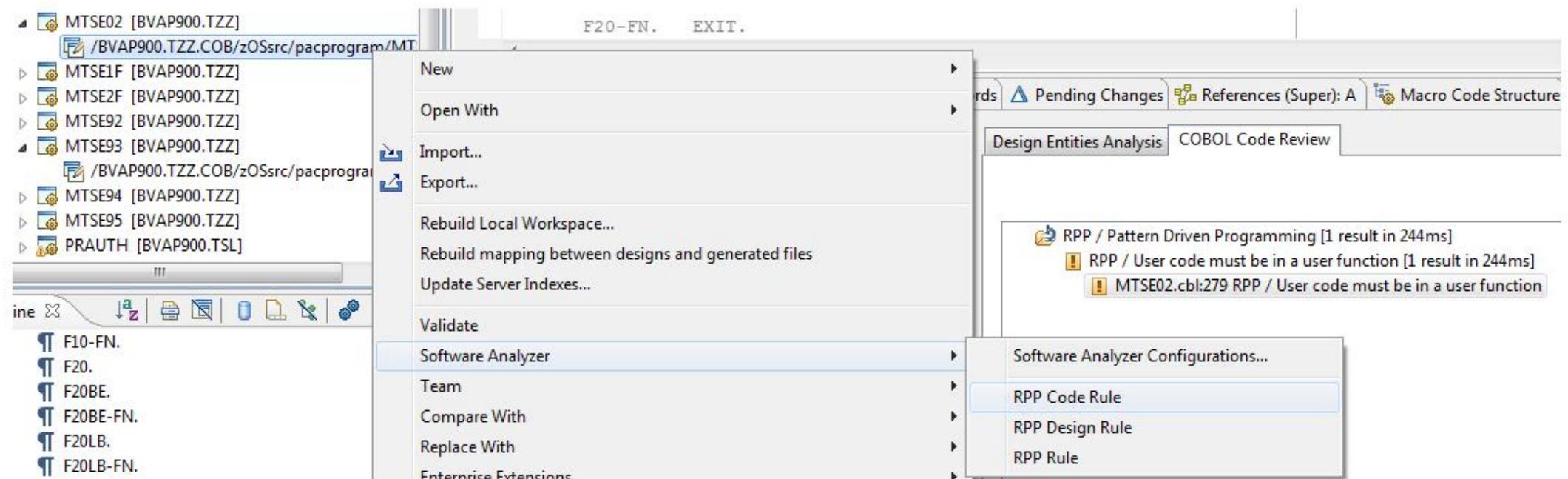
QUALITY CONTROL

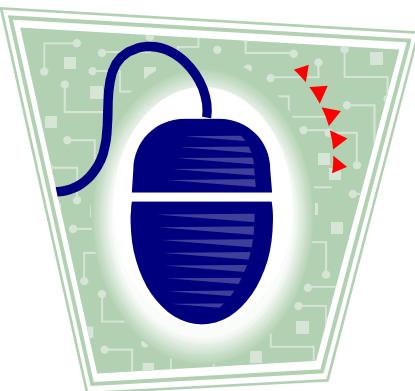
- Run – From Tool bar or Software Analyzer window on the entire scope



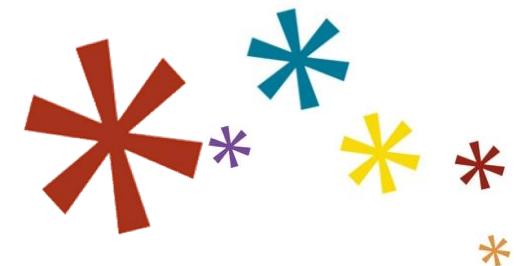
QUALITY CONTROL

Run – From Contextual menu in Design Explorer View



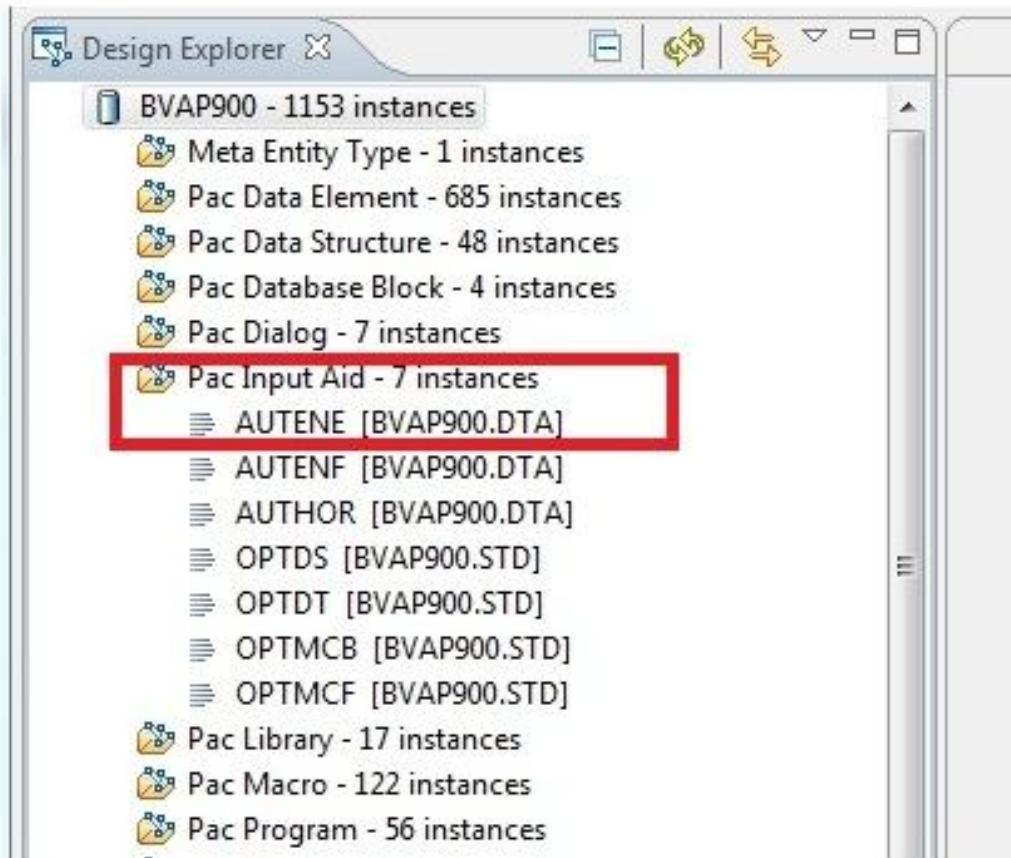


INPUT AID



INPUT AID

- New entry in the list of entities presented in Design Explorer view



INPUT AID

■ Overview tab : -D and Symbolic Values migrated

The screenshot shows the AUTENE Pac Input Aid interface with the 'Overview' tab selected. On the left, the 'Design Explorer' window lists various entities and their instances, such as BVAP900 (1153 instances), Meta Entity Type (1 instance), Pac Data Element (685 instances), and so on. Below it, the 'Outline' window shows a single entry: 'PacInputAid: AUTENE' with a child node 'label = AUTHOR OF FNTITY'. The main window displays the following details:

- General Information:** Working Context: BVAP900.DTA; Name: AUTENE; Label: AUTHOR OF ENTITY.
- D Lines:** A list of defined -D lines, including:
 - Date of creation :MM-JJ-S
 - Author's name : 30
 - Title : 20
 - C SAD :Administrator
 - C SCP :Project manager
 - C SAN :Analyst 0
 - C SAP :ProgrammerA 'More...' button is available to view more.
- Symbolic Values Lines:** A list of defined Symbolic Values Lines, including:
 - SYA Yao Assou
 - SRB Rémy Baranger
 - SFB Fernand Bonaguidi
 - SMB Maurice BoudotA 'More...' button is available to view more.
- Keywords:** ADPS, ENGLISH.

At the bottom of the main window, there are tabs for Overview, -D Lines, Symbolic Values, -G Lines, Lignes -CR, and Keywords.

INPUT AID

-D tab

AUTENE X

AUTENE Pac Input Aid - D Lines

► Description Alert

-D Lines

The following -D lines are defined for this Pac Input Aid.

Type	Fixed label	Variable label	Symb. val.	Lgth	Call type	Xref key
	Date of creation :	MM-JJ-SSAA		10		
	Author's name :			30		
	Title :			20		
C	\$AD :	Administrator		0		
C	\$CP :	Project manager		0		
C	\$AN :	Analyst		0		
C	\$AP :	Programmer		0		

Overview -D Lines Symbolic Values -G Lines Lignes -CR Keywords

INPUT AID

■ Symbolic Values tab

*AUTENE X

AUTENE Pac Input Aid - Symbolic Values Lines

Symbolic Values Lines

The following Symbolic Values Lines are defined for this Pac Input Aid.

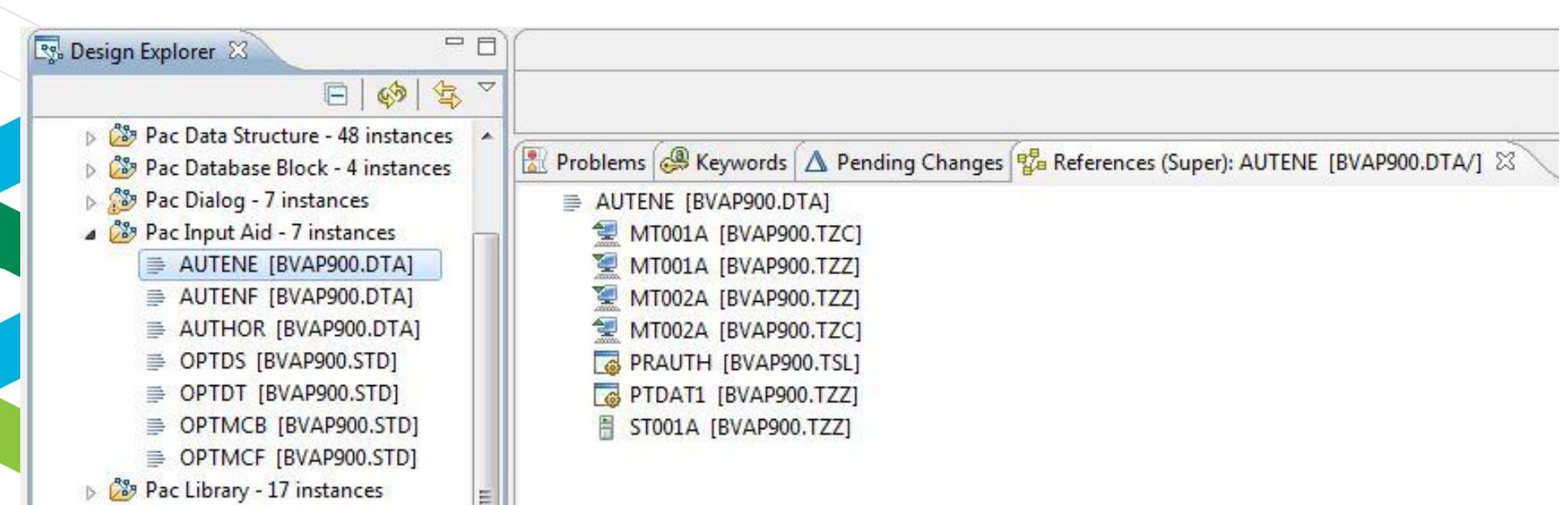
Parameter	Value
\$BE	Bernard Etienne
\$AD	Administrator
\$CP	Project manager
\$AN	Analyst
\$AP	Programmer

Add... Remove ▲ ▼

Overview -D Lines Symbolic Values -G Lines Lignes -CR Keywords

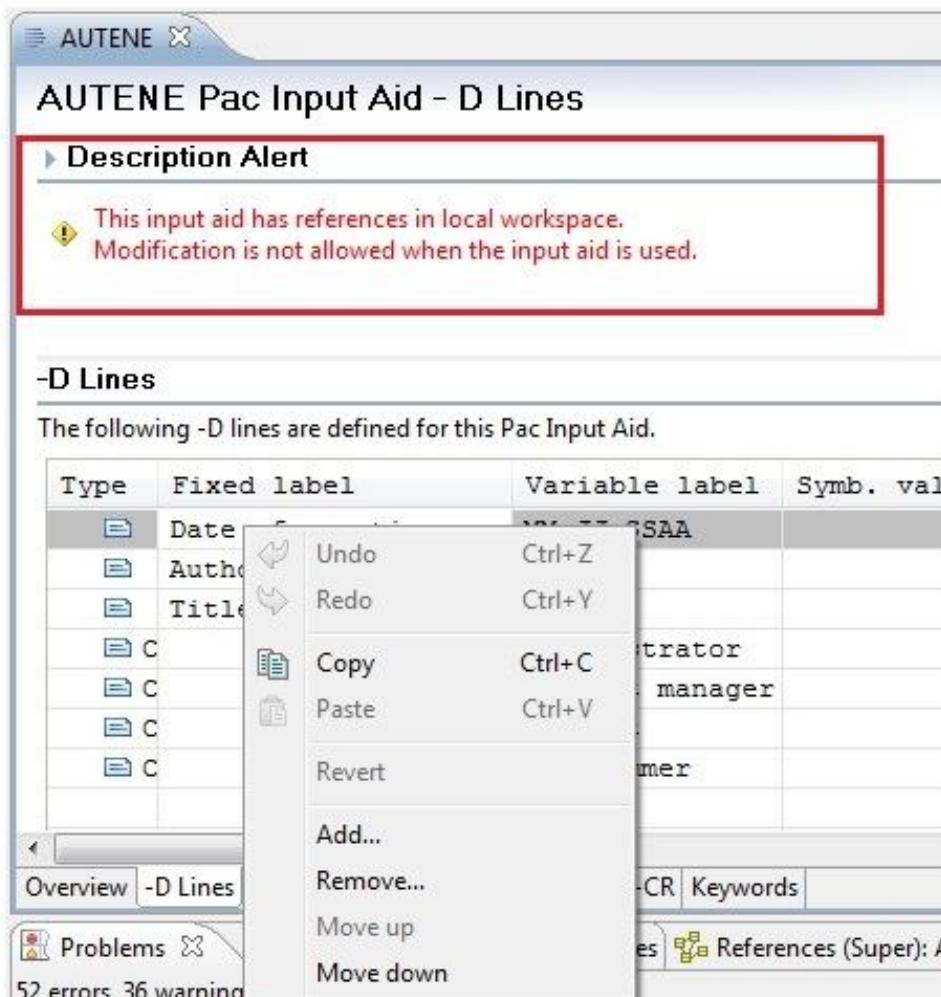
INPUT AID

■ Super References



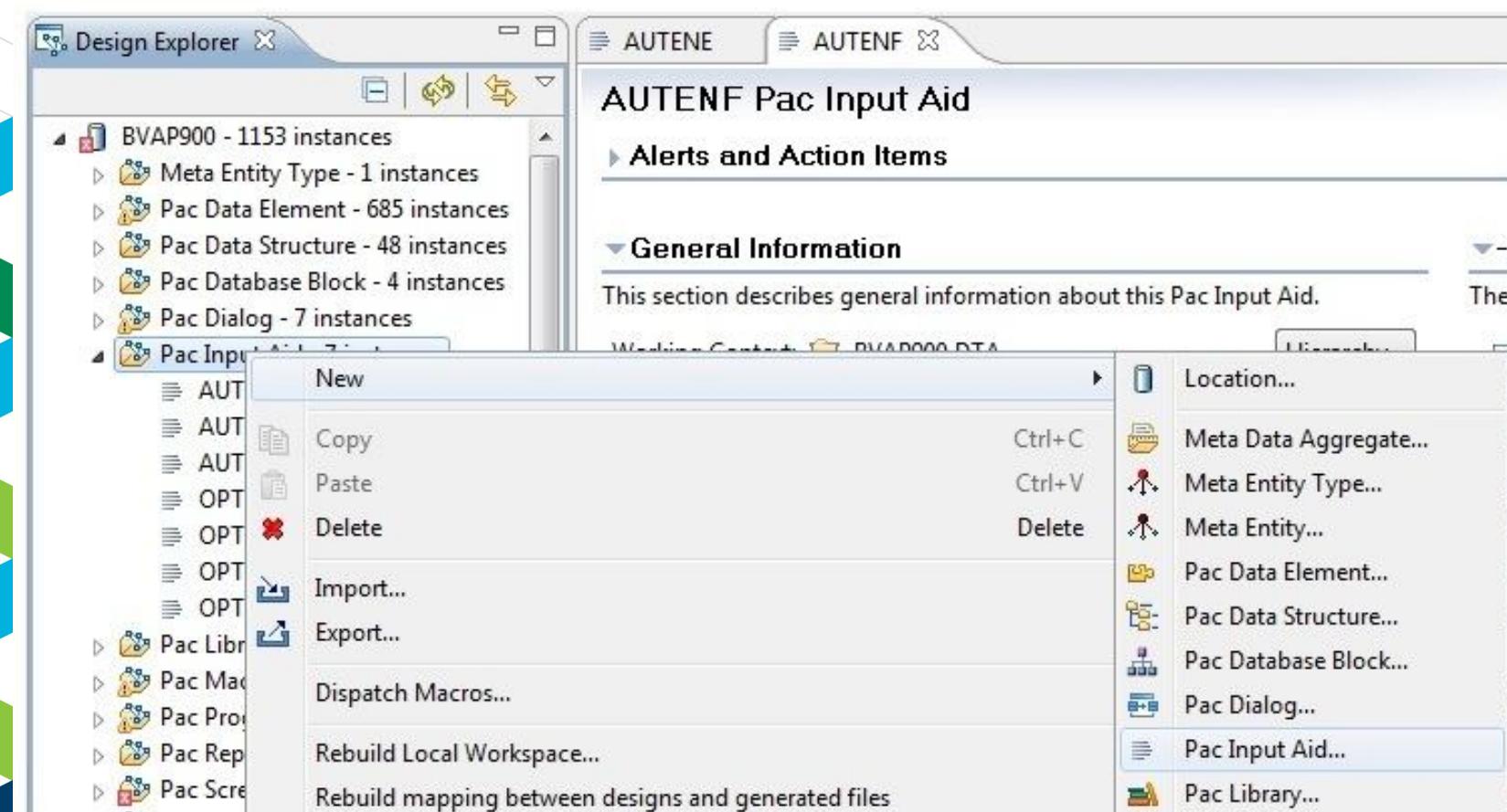
INPUT AID

■ Update Warning



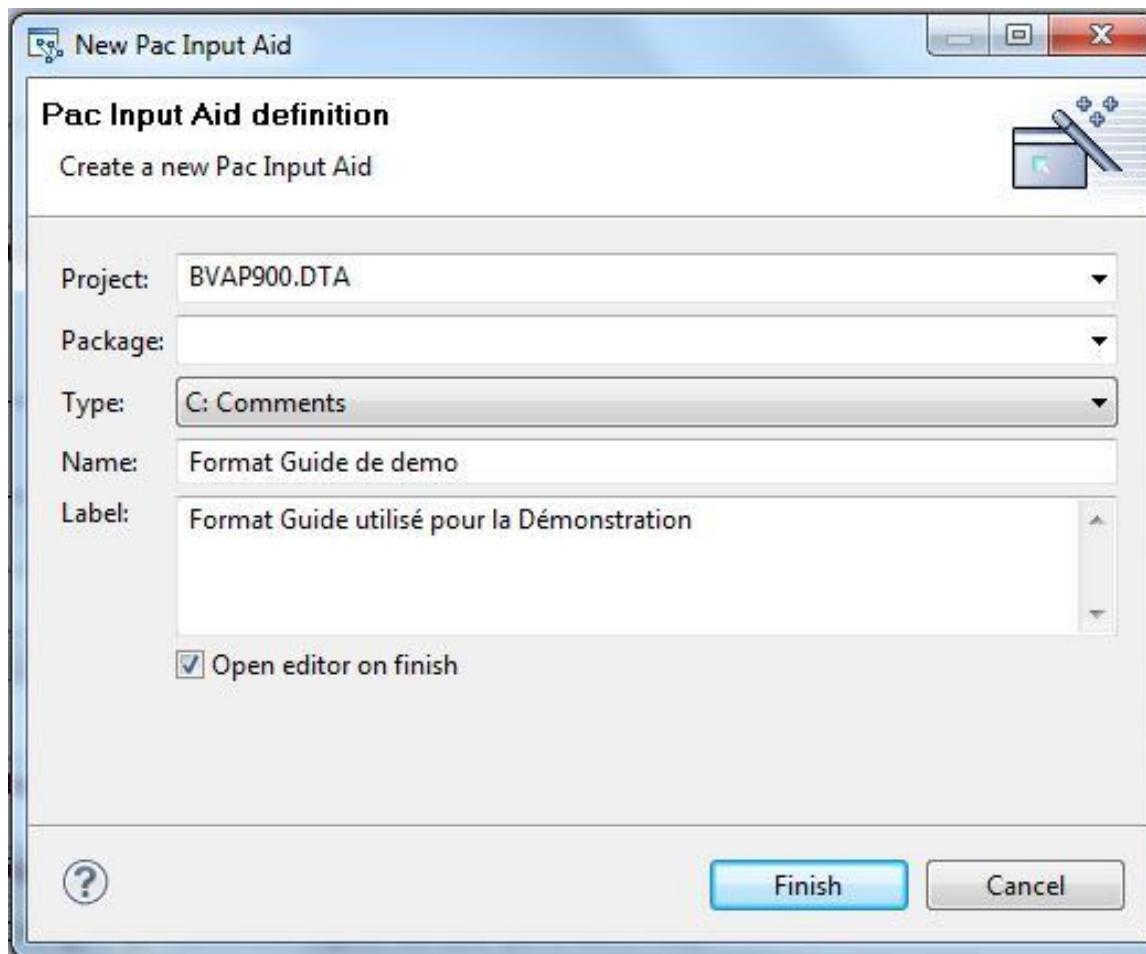
INPUT AID

Creating a new Input Aid (1/5)



INPUT AID

■ Creating a new Input Aid (2/5)



INPUT AID

■ Creating a new Input Aid (3/5)

The screenshot shows the SAP Fiori interface for creating a new Input Aid. The title bar reads "AUTENF *FORMAT GUIDE DE DEMO". The main content area is titled "FORMAT GUIDE DE DEMO Pac Input Aid - D Lin". Below it, a section titled "-D Lines" contains the message: "The following -D lines are defined for this Pac Input Aid." A table lists the current -D lines:

Type	Fixed label	Variable label	Symb. va
Undo	Ctrl+Z		
Redo	Ctrl+Y		
Copy	Ctrl+C		
Paste	Ctrl+V		
Revert			

A contextual menu is open over the last row of the table, showing options: Undo, Redo, Copy, Paste, Revert, Add..., Remove..., Move up, and Move down. The "Add..." option is highlighted. A blue dashed line is drawn across the screen, and a callout bubble points to it with the text "Adding a new line with contextual menu".

INPUT AID

Creating a new Input Aid (4/5)

*FORMAT GUIDE DE DEMO X

FORMAT GUIDE DE DEMO Pac Input Aid - D Lines

Description Alert

-D Lines

The following -D lines are defined for this Pac Input Aid.

Type	Fixed label	Variable label	Symb. val.	Lgth	C
<input type="checkbox"/>	DATE :	JJ/MM/AAAA		10	
<input type="checkbox"/>	ACTION :			30	
<input type="checkbox"/>	C \$VA :	Validation		0	
<input type="checkbox"/>	C \$RL :	Selecture		0	

Description line

This section provides information about the selected line.

Type: C: Comments

Fixed label: \$RL:

Variable part

Symbolic value: .

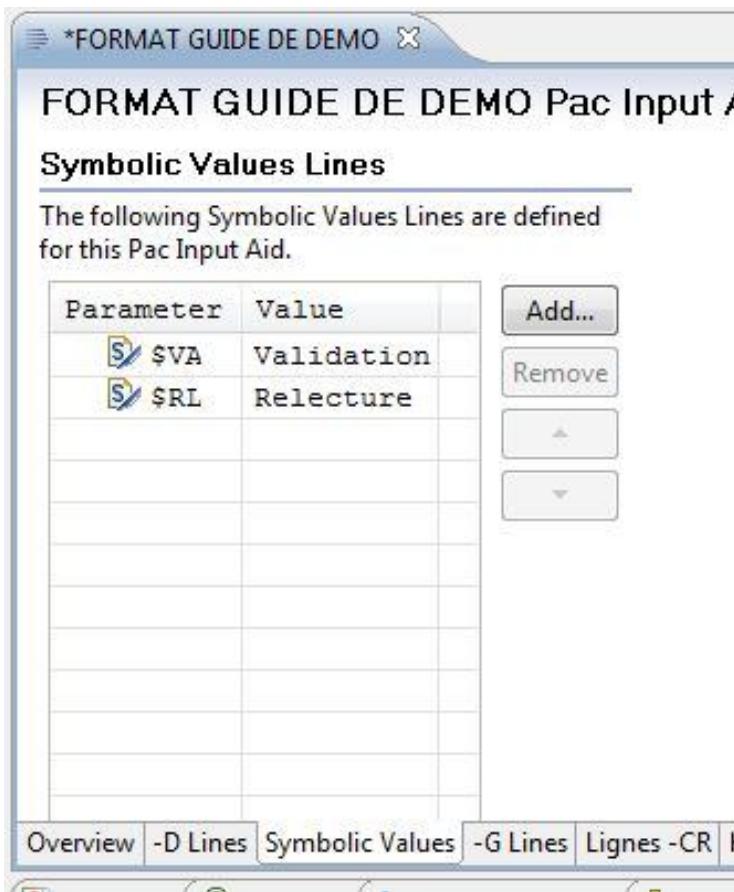
Variable label: Selecture

Length: 0

Overview -D Lines Symbolic Values -G Lines Lignes -CR Keywords

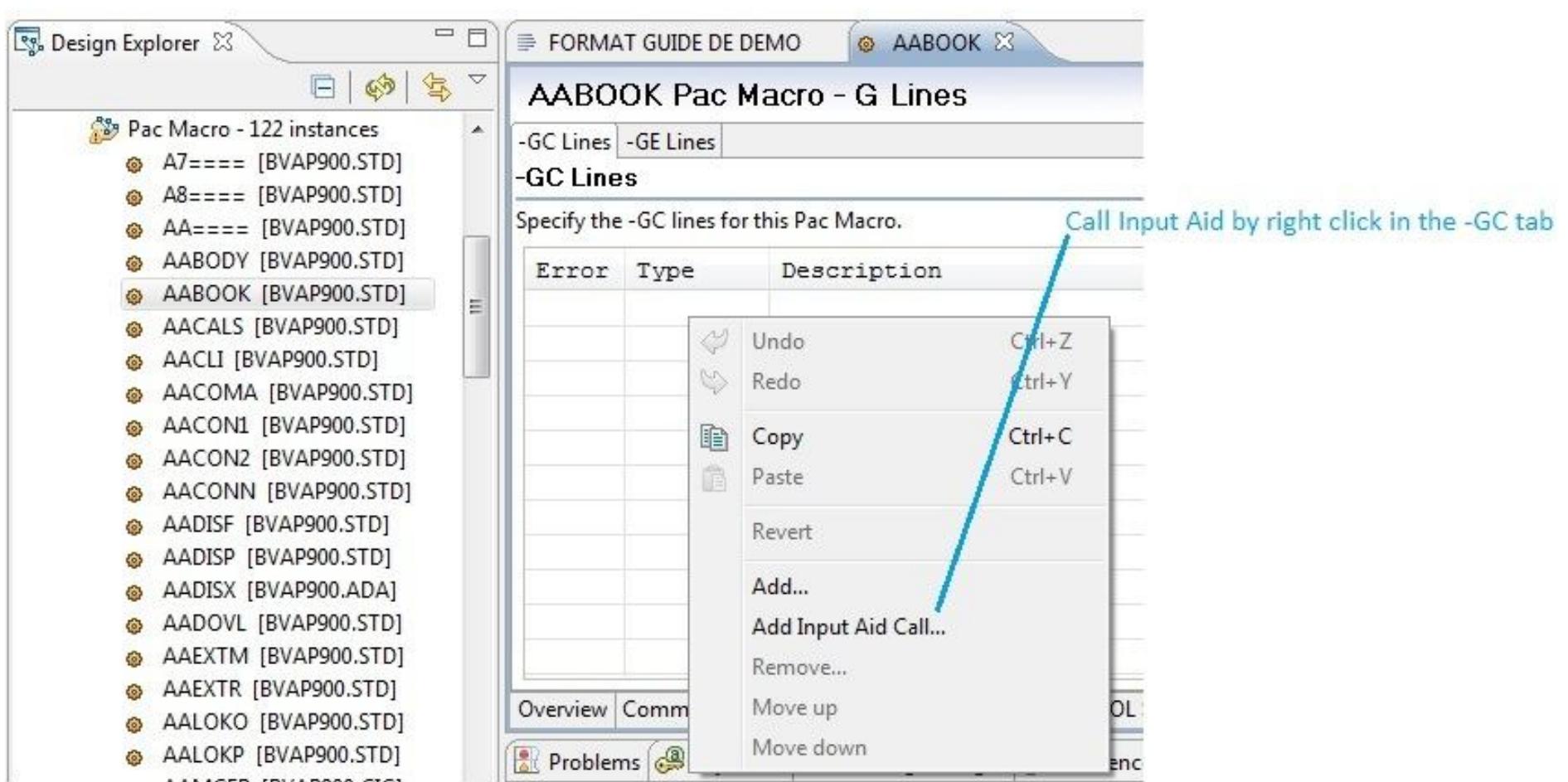
INPUT AID

■ Creating a new Input Aid (5/5)



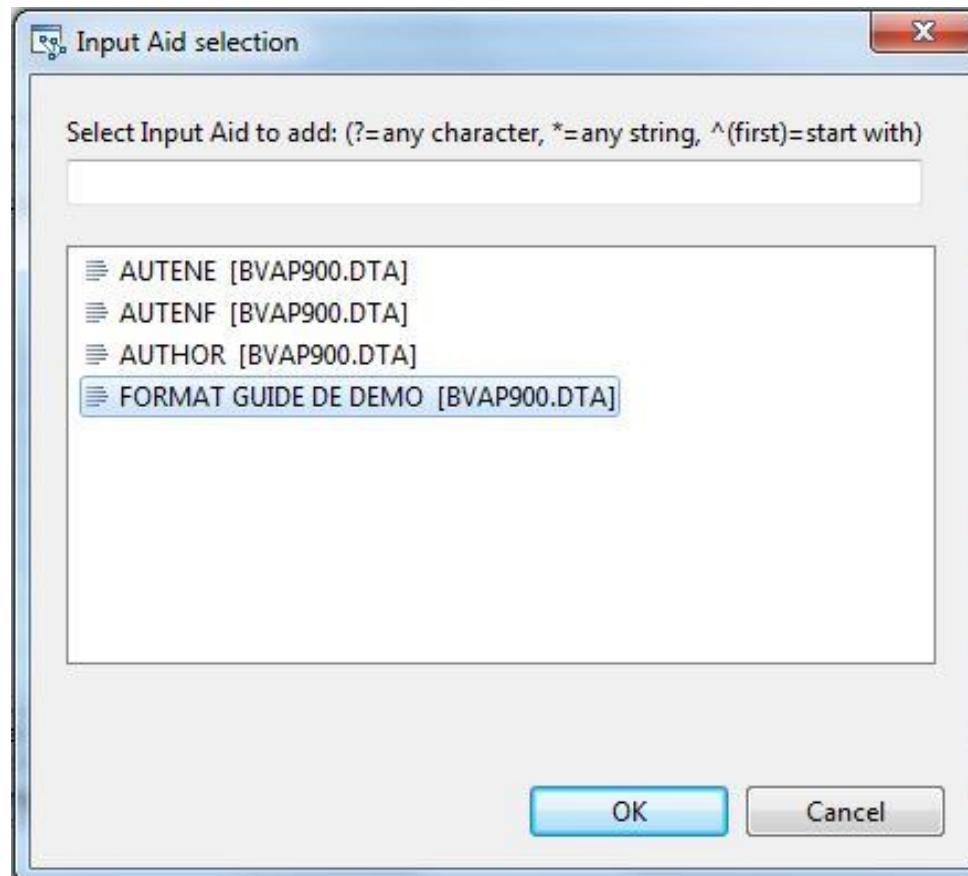
INPUT AID

■ Calling Input Aid (1/6)



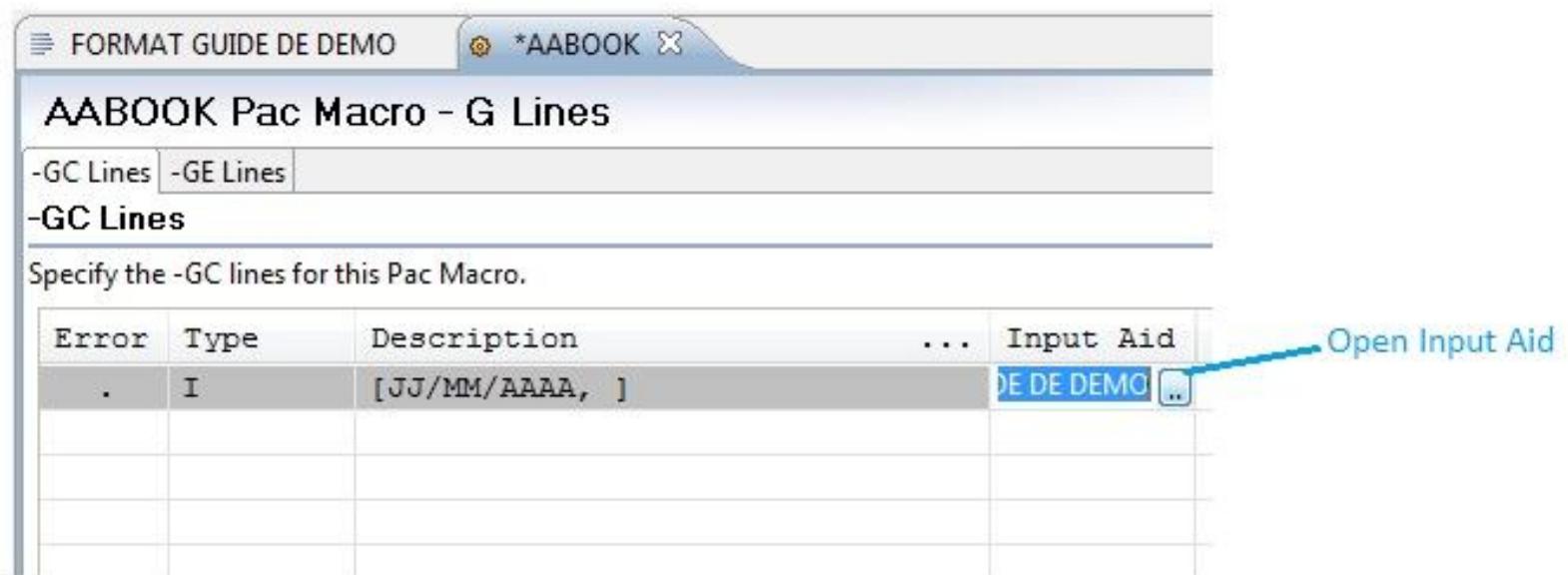
INPUT AID

■ Calling Input Aid (2/6) - Selection



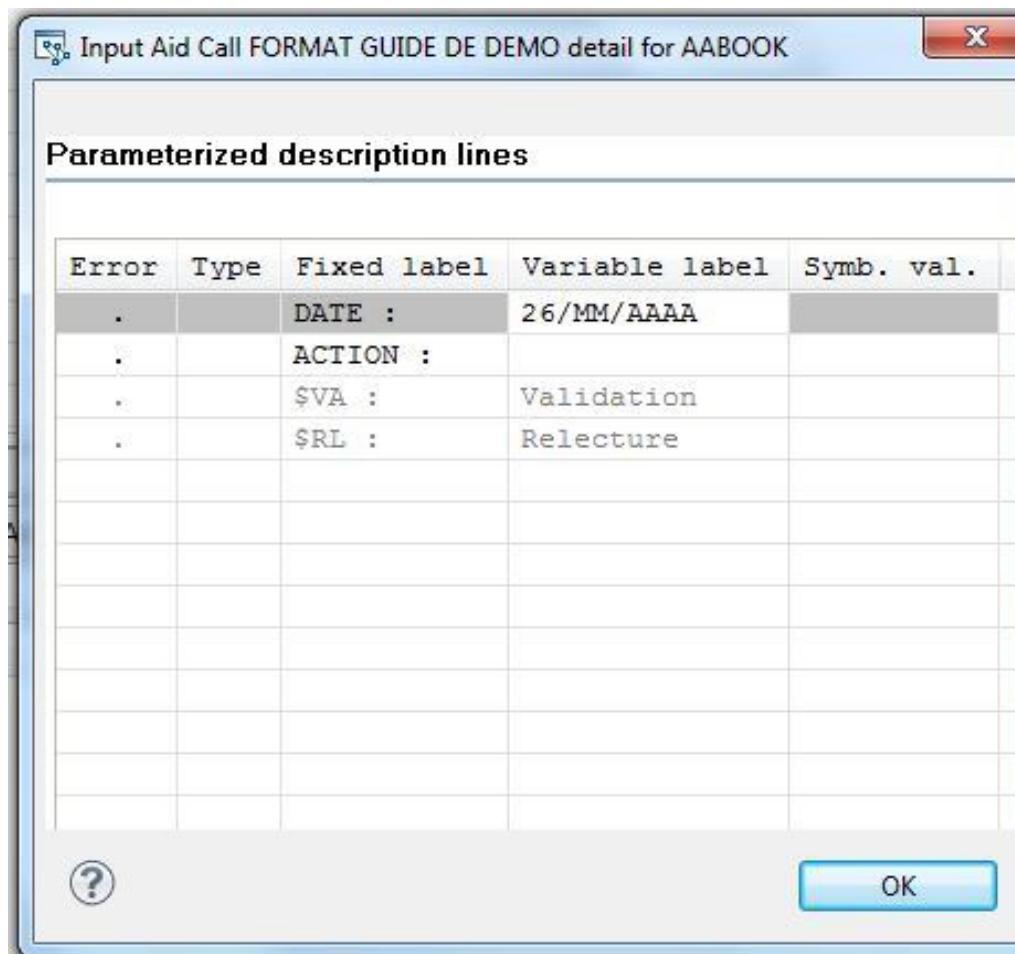
INPUT AID

■ Calling Input Aid (3/6) - Open



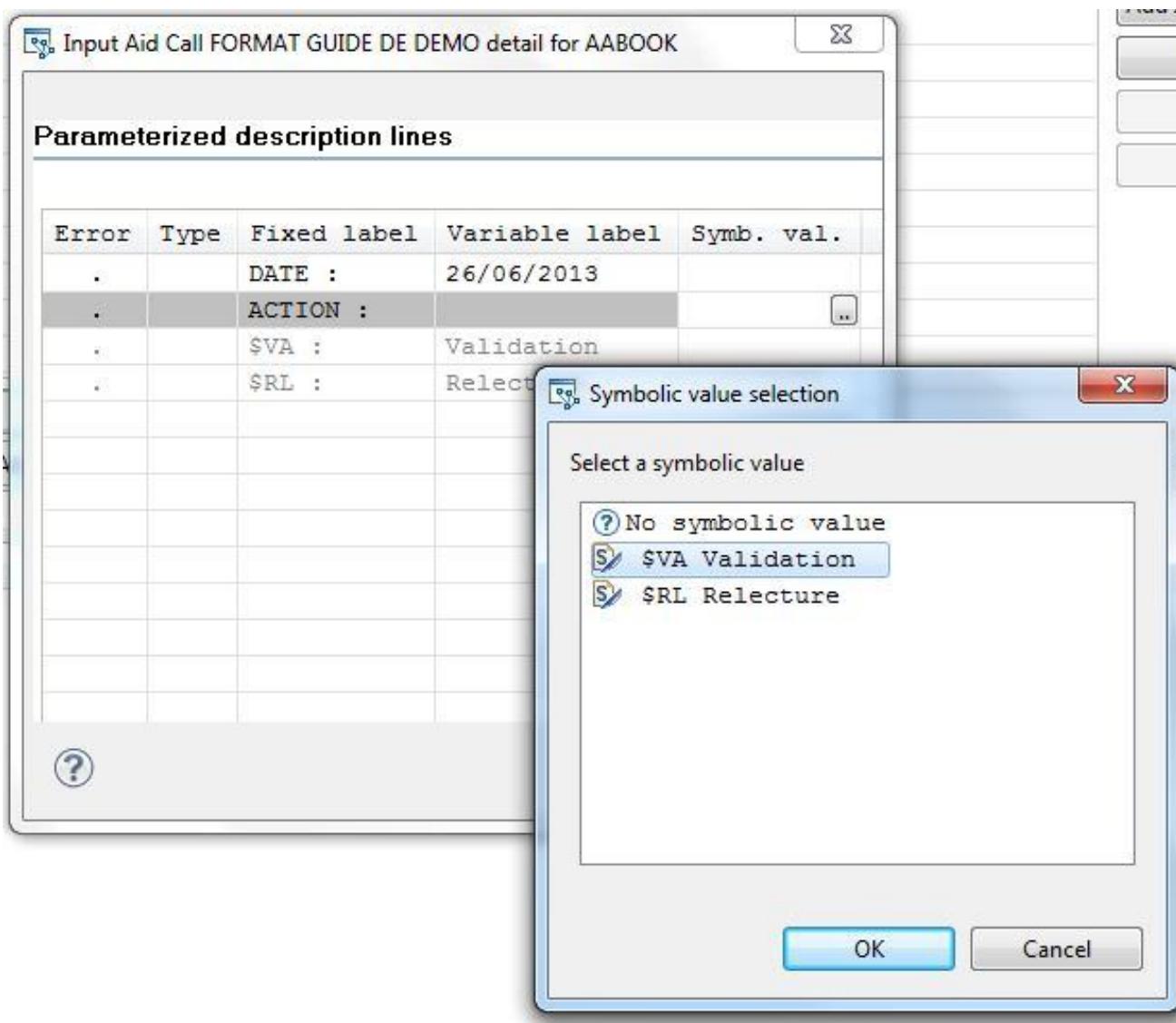
INPUT AID

■ Calling Input Aid (4/6) – Enter values



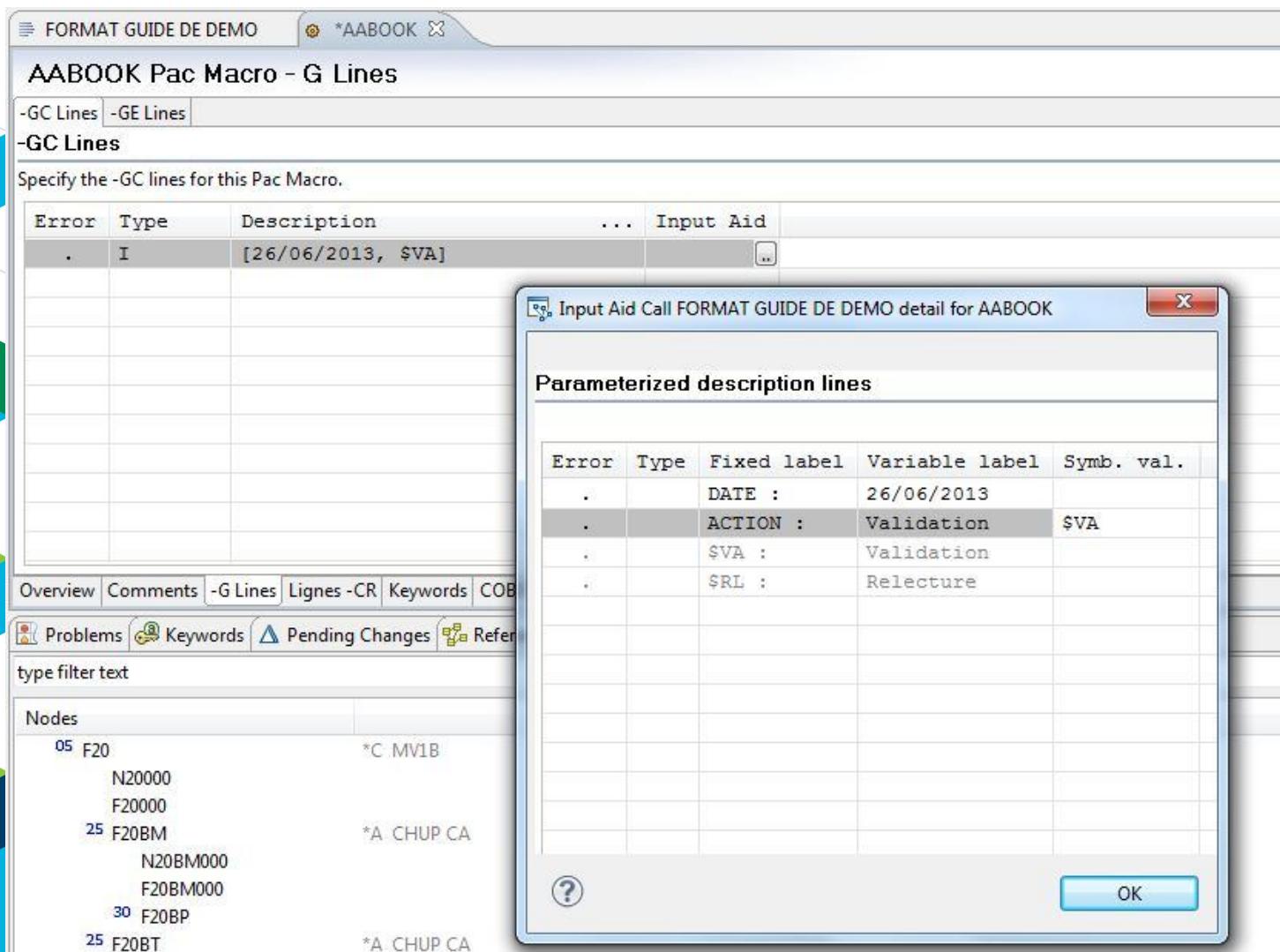
INPUT AID

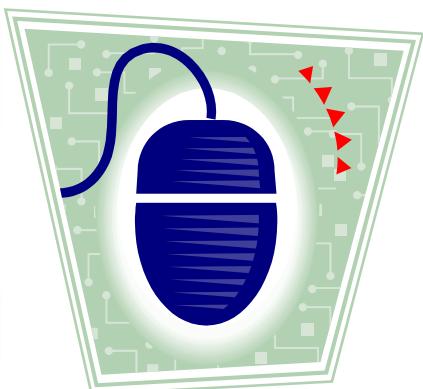
■ Calling Input Aid (5/6) – Enter values



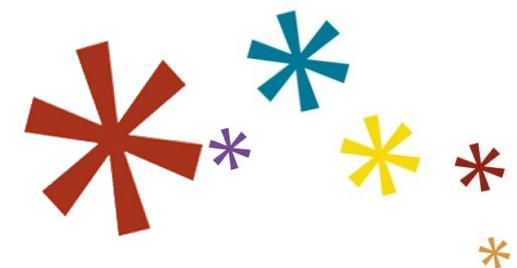
INPUT AID

■ Calling Input Aid (6/6) – Enter values





MIGRATION

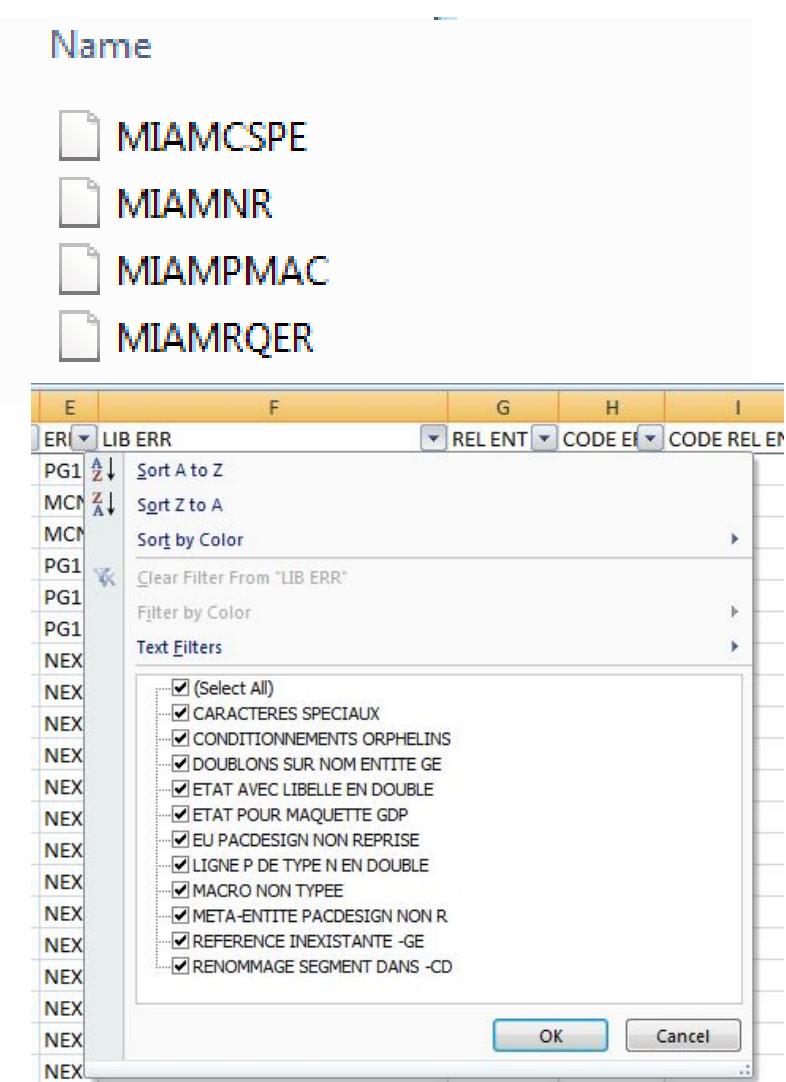


Objective : Improvement of Migration

■ Action scope of MIAM refined

- ▶ Special characters, reserved words,
 - ▶ Entities not to be migrated,
 - ▶ MSP coding,
 - ▶ Miscellaneous errors,

BIBDIAXX	F
BIBECRXX0010	F
BIBDIAYY	FV
BIBECRYY0010	FV
BI1ETAAAA	
BI1ETAAAB	
BI2PGMXAA000	
BI3PGMXAA000	
BI1MEC.AGE	
BI2\$1GXXXXXX	.AGE
BI1MEC.ZZZZ	
BI3\$1KYYYYYY	.ZZZZ





Objective : Improvement of Migration

- Management of entities counter in MIBR
 - ▶ Number of entities per type
 - ▶ Overrides taken into account
- Obsolete generation Variants
- Post migration controls optimized
 - ▶ No more validation step if no difference is detected

RECAPITULATIF PAR TYPE D'ENTITE			
<hr/>			
I	TYPE	NB OCC	I
<hr/>			
I	BIB	61	I
I	MET	2624	I
I	TXT	16312	I
I	SDO	2340	I
I	SEG	19691	I
I	ETA	2560	I
I	DBD	347	I
I	DIA	141	I
I	ECR	6021	I
I	PGM	15454	I
I	FOG	215	I
I	RAP	4552	I
I	MEC	38	I
I	STT	1504	I
I	RLC	153	I
I	RUB	41518	I
<hr/>			

Objective : Improvement of Migration

■ Generation of batch command files for migration

- **--generate** : commande de génération COBOL.
- **--import** : commande d'import.
- **--importJournal** : commande d'import du journal.
- **--migrationHelp** : commande d'aide à la migration.
- **--automaticMigration** : commande d'automatisation de la migration.
- **--generateErrorMsgs** : commande de génération des libellés d'erreur.
- **--generateDataBlockBase** : commande de génération des Blocs Base de Données.
- **--generateCopyBook** : commande de génération des Copybooks.
- **--dispatchMacro** : commande de répartition des Macros.
- **--copy** : commande de copie.
- **--refresh** : commande d'actualisation de l'espace de travail,
- **--zCompCreation** : commande de création des projets et dossiers zComponent.
- **--commands** : exécution d'une liste de commande.

Options	Commentaires
--data	Option Rational Developer for System z pour l'espace de travail utilisé
--log	Nom du fichier journal
--project	Nom du projet
--name	Nom de l'instance dans le référentiel
--type	Type d'entité
--cobolFolder	Répertoire des fichiers COBOL
--controlCobolFolder	Répertoire des fichiers COBOL de contrôle
--reportFolder	Répertoire des rapports de génération
--csvSep	Séparateur pour rapports csv
--csvTextSep	Séparateur de texte pour rapports csv
--clean	Suppression des fichiers .cbl et .cblpd
--cleanTemplates	Réinitialisation des fichiers de modèles de modifications (appelés <i>templates</i>)
--flowposition	(Option cachée) Uniquement pour un fichier de commandes Optimisation de la lecture et de l'écriture des fichiers
--destProject	Nom du projet COBOL en sortie
--destFolder	Nom du répertoire COBOL en sortie
--verbose	Augmentation de la prolixité de la sortie

- Options migrationHelp command
 - ▶ zProject and zComponent
 - ▶ Separation of design files and Cobol sources files

Migration

Input : Command files

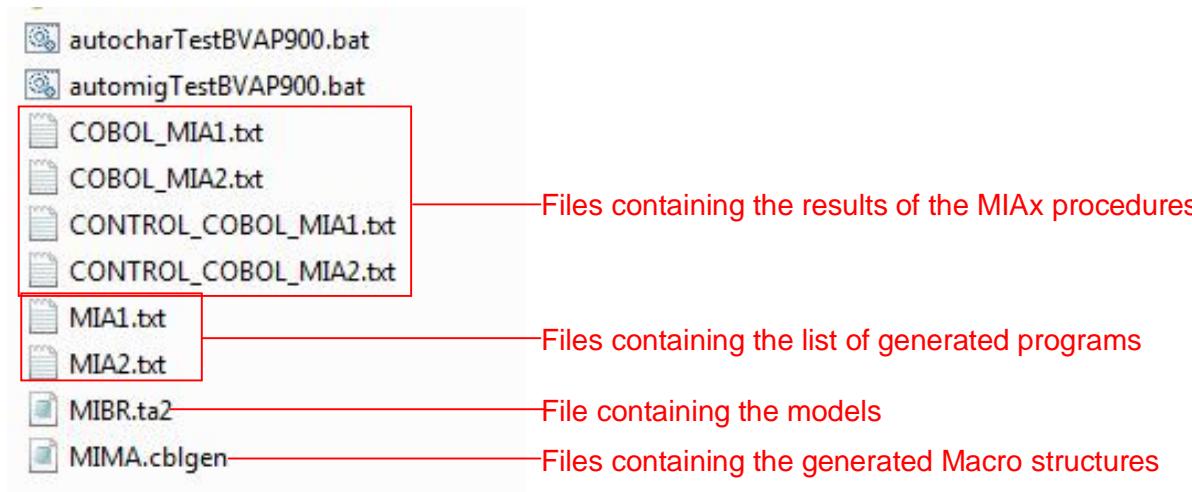
```
autocharTestBVAP900.bat  
automigTestBVAP900.bat  
COBOL_MIA1.txt  
COBOL_MIA2.txt  
CONTROL_COBOL_MIA1.txt  
CONTROL_COBOL_MIA2.txt  
MIA1.txt  
MIA2.txt  
MIBR.ta2  
MIMA.cblgen
```

```
rpp --commands --data "C:\Bee\Workspace\BVAP"  
--log "C:\bee\Output\TestBVAP900\Charget.log"  
--file "C:\Bee\Softwares\Sources\BVAP\TestMigr\TestBVAP900.txt"
```

```
rpp --automaticMigration --data "C:\Bee\Workspace\BVAP"  
--log "C:\bee\Output\TestBVAP900\automatic.log"  
--from "C:\Bee\Softwares\Sources\BVAP\TestMigr"  
--location BVAP --separateCobolProject  
--cobolProjectType Z  
--separateMetadataFiles  
--pdpRootPath design  
--scmtoolsEntriesFile "C:\Bee\Softwares\Sources\BVAP\TestMigr\scmtoolsEntries.bat"
```

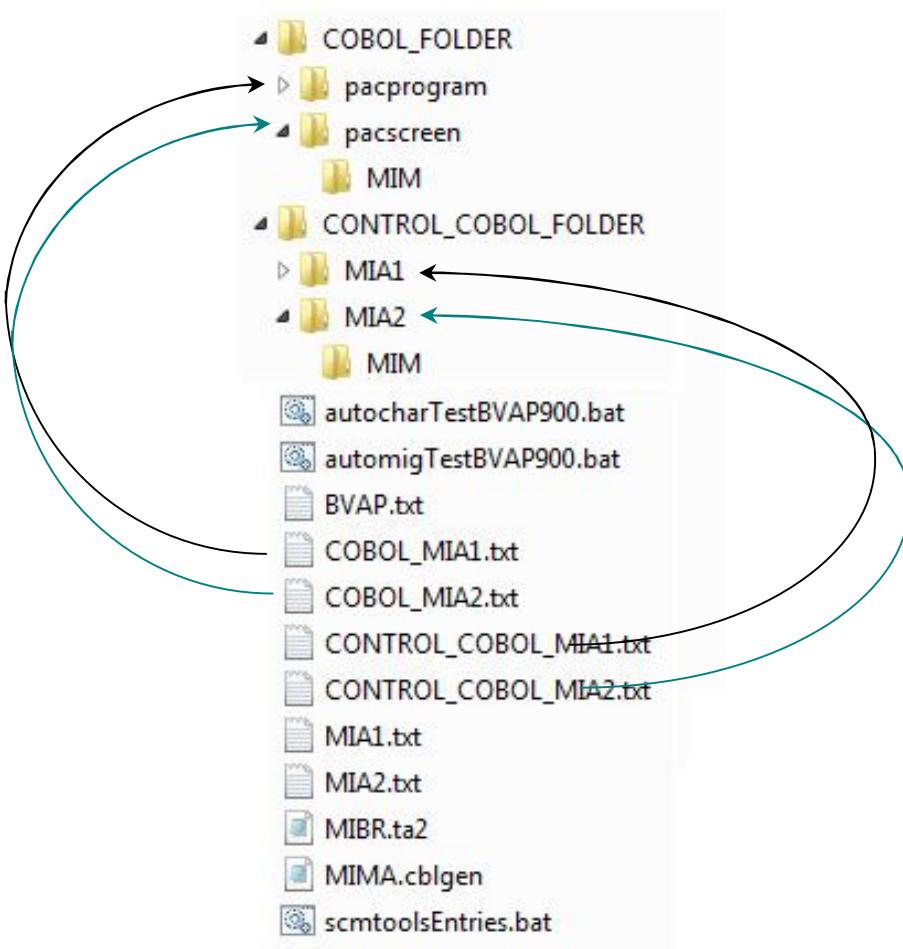
Migration

■ Input : Data



Migration

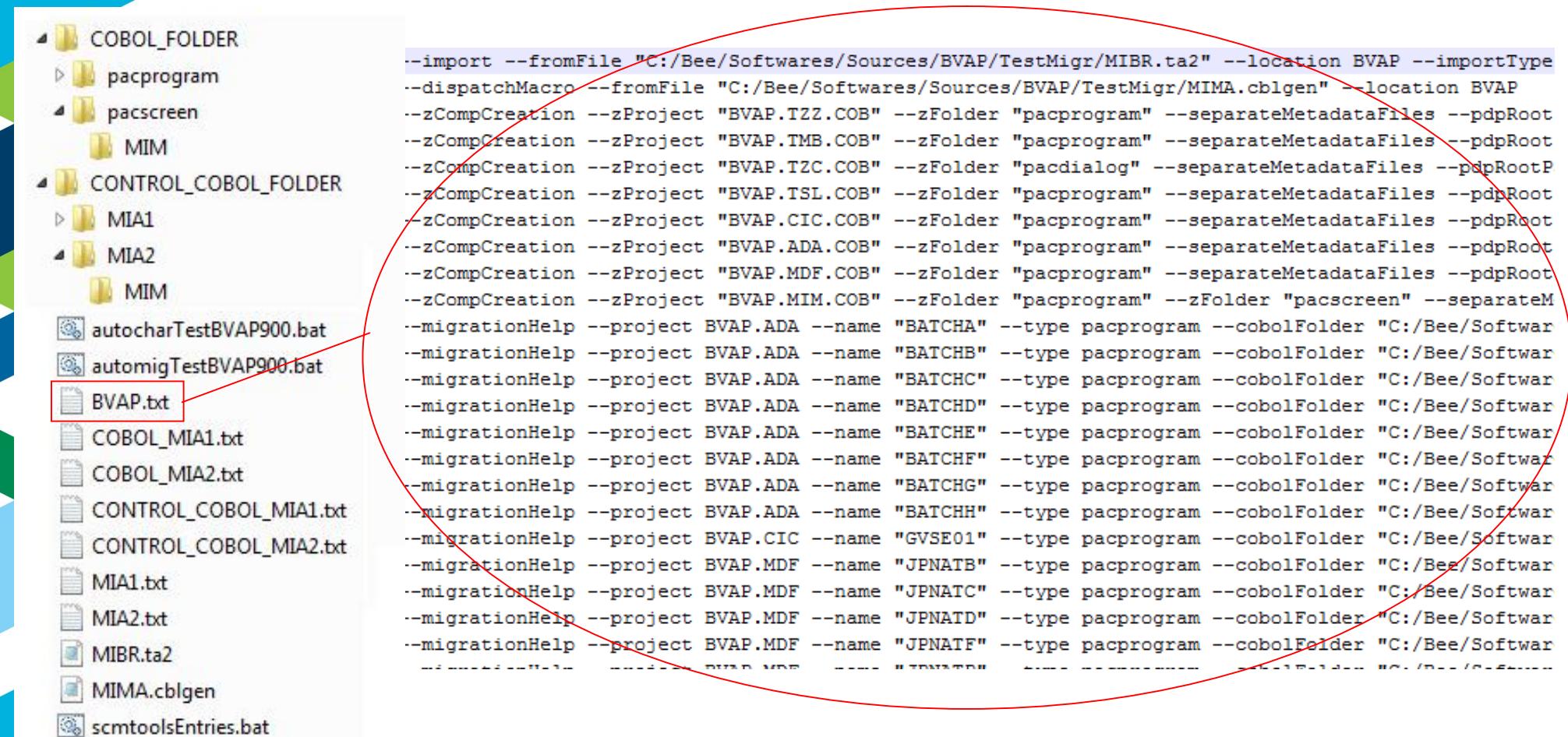
- Result of automaticMigration command – Split of sources in directories





Migration

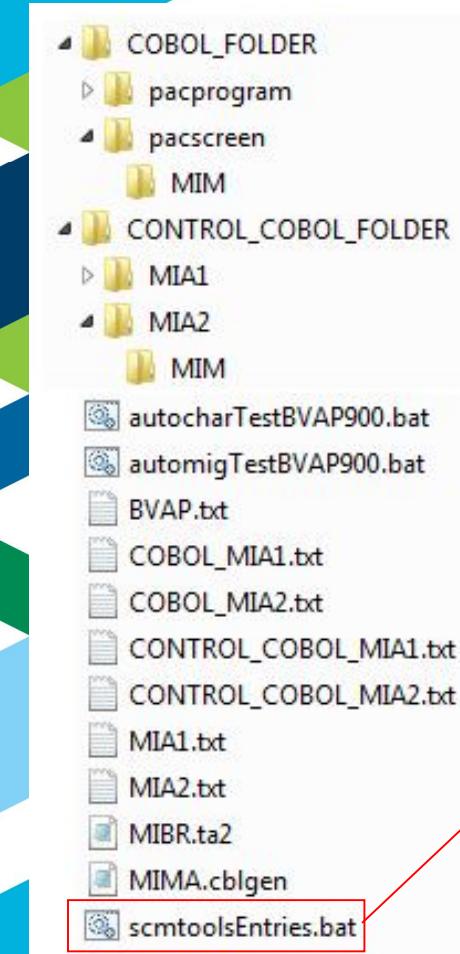
- Result of automaticMigration command – Command lines for Workspace loading





Migration

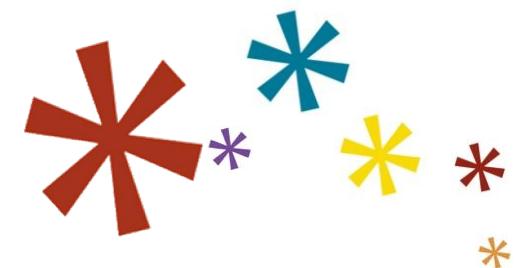
■ Result of automaticMigration command – Command lines for RTC loading



```
REM Fill the following line to add the folder containing the lscm command
SET path="C:\Program Files\IBM\SDP\scmtools\eclipse";%PATH%
REM Name of the repository workspace
SET jazz_wsp=RepWks001
REM fill the following line with your Jazz user id
SET jazz_id= your_Jazz_user_ID
REM Fill the following line with the Jazz uri
SET jazz_uri=https://localhost:9443/ccm/
REM Fill the following line with the project area name
SET project_area=""
REM Fill the following line with the Jazz stream
SET jazz_Stream=
REM Fill the following line with the snapshot name
SET Snapshot=
REM Fill the following line with the changeset comment
SET Comment="xx"
SET LocalLWS=C:\Bee\Workspace\BVAP
CD %LocalLWS%
IF EXIST %LocalLWS%\metadata\scmtoolsentries.log DEL %LocalLWS%\metadata\scmtoolsentries.log
time /T >> %LocalLWS%\metadata\scmtoolsentries.log
CALL lscm login -r %jazz_uri% -n Batch -u %jazz_id% -c
SET jazz_uri=Batch
CALL lscm create ws -u %jazz_id% -r %jazz_uri% -s "%jazz_Stream%" "%jazz_wsp%" >> %LocalLWS%\metadata\scmtoolsentries.log
IF %ERRORLEVEL% NEQ 0 ECHO La creation de l'espace de travail a echoue : %jazz_wsp%
ECHO Creation du composant BVAP.INTER.
CALL lscm create comp -r %jazz_uri% "BVAP.INTER" "%jazz_wsp%" >> %LocalLWS%\metadata\scmtoolsentries.log
IF %ERRORLEVEL% EQU 0 GOTO PROPERTY_BVAP.INTER
IF %ERRORLEVEL% EQU 3 GOTO WARNING_BVAP.INTER_EXISTS
ECHO La creation du composant BVAP.INTER a echoue. : Code %ERRORLEVEL%.
ECHO La creation du composant BVAP.INTER a echoue. : Code %ERRORLEVEL% >> %LocalLWS%\metadata\scmtoolsentries.log
GOTO CREATE_BVAP.INTER_END
:PROPERTY_BVAP.INTER
CALL lscm component propertyset visibility public BVAP.INTER -r %jazz_uri% >> %LocalLWS%\metadata\scmtoolsentries.log
```



ENDEVOR INTEGRATION





ENDEVOR INTEGRATION

- Migration of \$7N and \$7M
- Call of a Micro Pattern containing all needed Endevor Information
 - ▶ *!RPPinfo **Endevor**
*USER=
*PROJECT=BPCEMIBR.FRX
*ENTITY=90BE20
*TYPE=pacprogram
*DATE=2013/04/16
*TIME=10:36:18
***ENVIRONMENT=HFW**
***SYSTEM=HUB**
***SUBSYSTEM=FG**
***TYPEPAC=COBOLP**
***COMMENT=Intégration V2 V210**
***CCID=191018**
- Activation of build.

Participez à l'aventure Code Rally

Code Rally n'est certainement pas un jeu de course classique !

Nez découvrir ce jeu spécialement conçu pour la communauté des développeurs (règlement consultable sur place).

Montrez vos talents en développement, amusez-vous et que le meilleur gagne !

pourquoi participer ?

Rencontrez des développeurs dans un environnement « fun et social ».

Découvrez de façon ludique les outils de développement IBM.

Utilisez votre savoir-faire au profit de la création et de l'animation d'un véhicule.

Participez aux courses et gagnez des Raspberry !

Prêts à vous lancer ?

Rendez-vous en salle Châtelet :

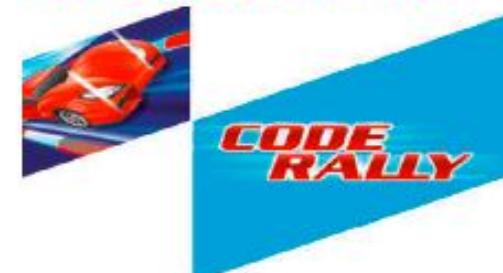
Les 28 et 29 août : de 10h30 à 16h

Le 30 août : de 9h45 à 12h45

La grande finale aura lieu, chaque jour, pendant le cocktail de clôture.

CODE RALLY

Prêts à vous lancer ?



Restez connectés :



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<https://twitter.com/WebSphereFra>

IBM SolutionsConnect 2013

IBM TechSoftware nouvelle génération

IBM.