



Software Group

CICS BEP & WBI MB demo

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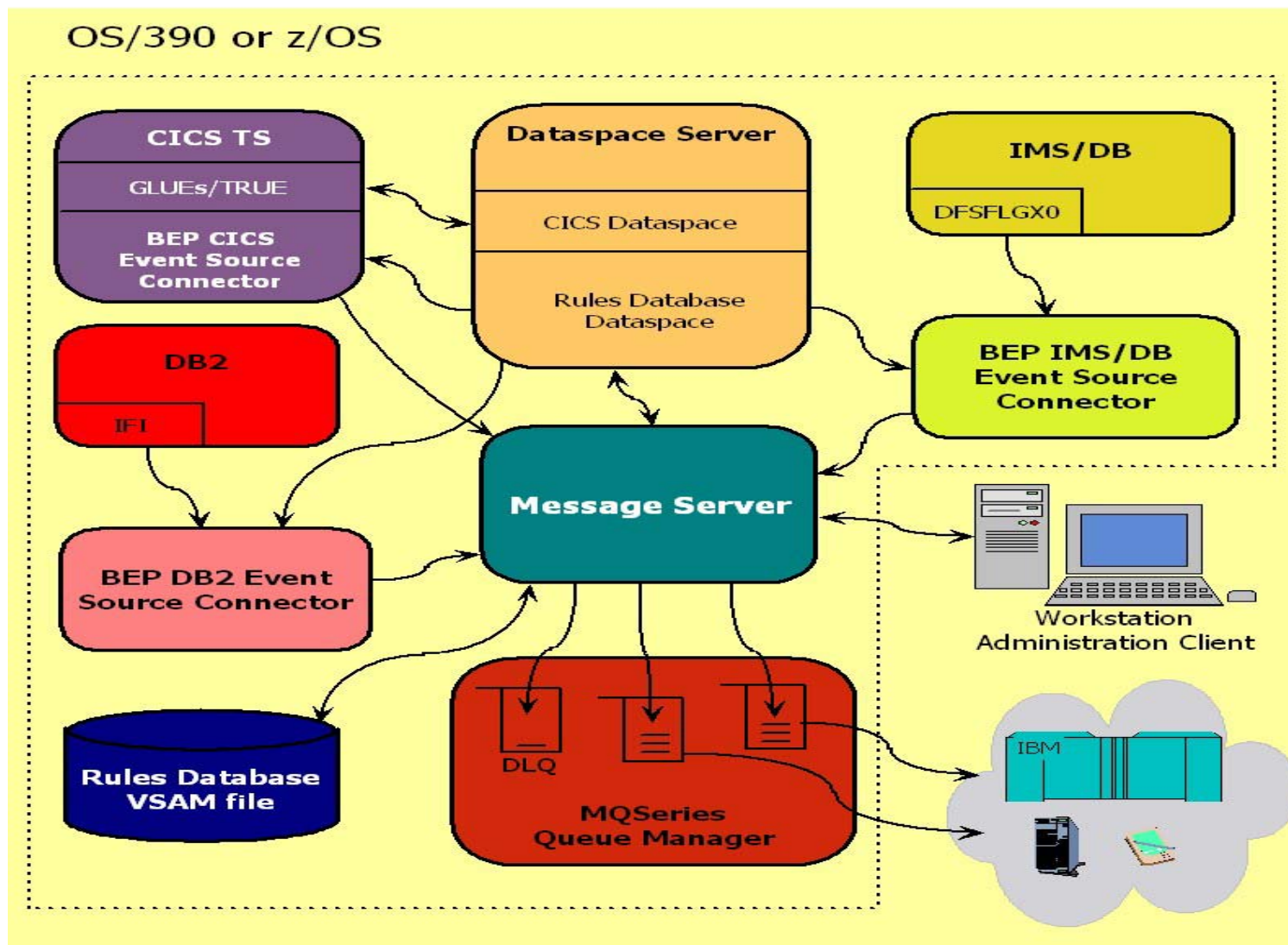
CICS BEP - introduction

- Détecter des évènements en CICS (ou DB2 ou IMS/DB !)
 - Manière non intrusive pour exploiter d'avantage vos applications
 - Utilisation des journaux
 - Peu de consommation de CPU
- Fournir des données concernant l'évènement en forme de message MQ
 - Le « bus » universel pour profiter des informations
 - Traitement des évènements totalement découplé
 - Options pour déterminer les champs à transmettre, la file, gestionnaire de file, priorité, transactionnalité, etc.
 - Hélas, peu de souplesse pour le formatage des données...



Ça serait génial si l'on a un outil pour adapter le message !

Architecture BEP



BEP Configuration

The screenshot displays the BEP Configuration interface with several overlapping windows. The primary window, titled "The current rule is RULE1", features a menu bar (File, Help) and a toolbar (Save, Cancel, Clear, User ID, Set Host, Help). Below the toolbar, the title "CICS Business Event Publisher for MQSeries" is displayed. The main area contains five tabs: "Rule Type", "Selection Criteria", "Message Options", "MQPUT Options", and "Return Options". The "MQPUT Options" tab is selected, showing configuration for "Queue Name" and "Queue Manager Name".

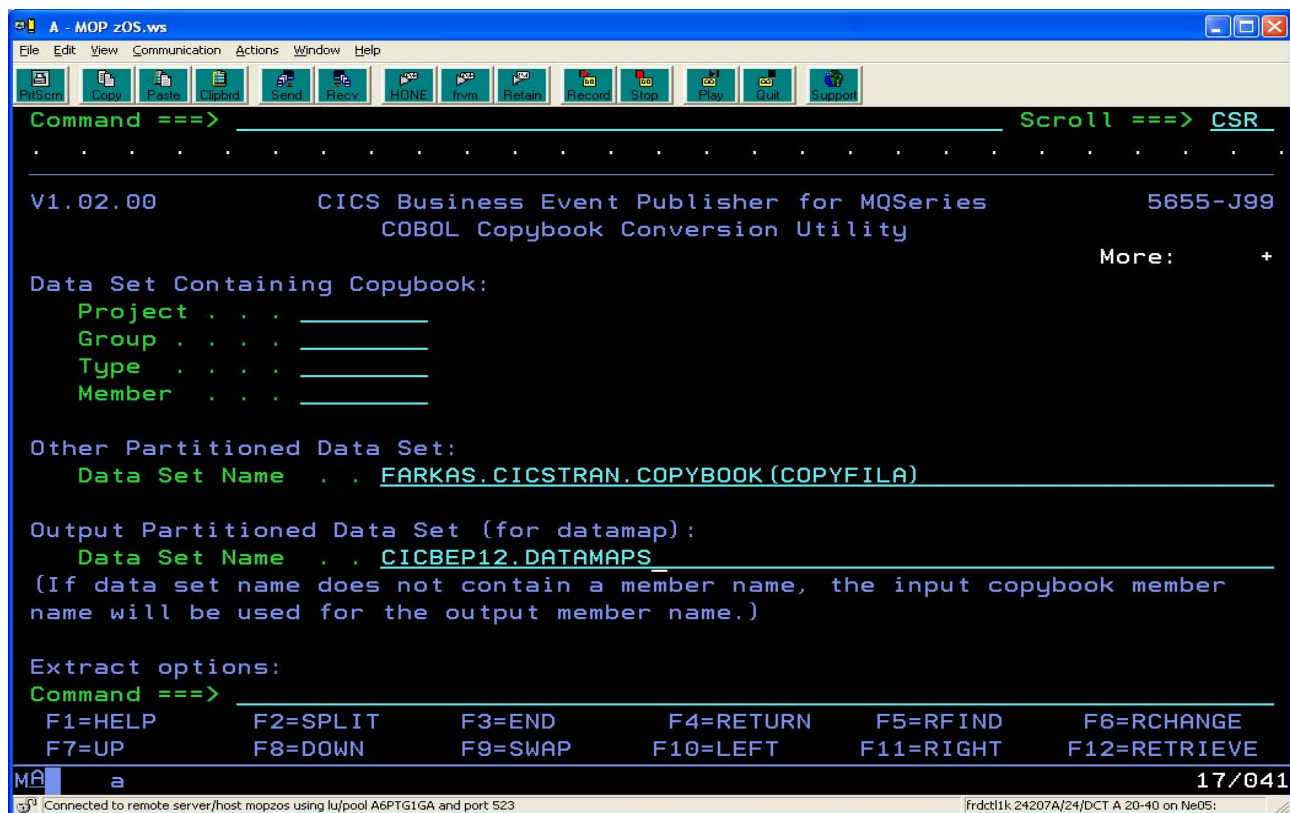
Under "Queue Name", there are two radio button options: "Enter a Static Queue Name Here" (selected) and "Use a Dynamic Queue Name". The static option has a text input field containing "BEPQ". A button labeled "Define the Layout for a Dynamic Queue Name..." is visible. Under "Queue Manager Name", there are two radio button options: "Enter a Static Queue Manager Name Here" (selected) and "Use a Dynamic Queue Manager Name". A button labeled "Define the Layout for a Dynamic Queue Manager Name..." is also present. At the bottom of this tab, there are two buttons: "Specify Message Descriptor Options (MQMD_*)" and "Specify Put Message Options (MQPMO_*)".

Other overlapping windows include "Build Custom Message Layout for Rule", which shows a "Current Message Layout" table and "Datamap Fields" table. The "Current Message Layout" table lists fields: Resource Data, NUMB, NAME, ADDR, PHONE, and AMOUNT. The "Datamap Fields" table lists fields with levels and names: Level 01 (BEP-DUMMY-01), Level 02 (FILERECD), Level 03 (STAT), Level 03 (NUMB), Level 03 (NAME), Level 03 (ADDR), and Level 03 (PHONE). A third window shows "The current rule is RULE1" with a "Fields by Offset/Length" section, where "Resource Data" is selected as the source, with an offset of 0.

At the bottom of the interface, a status bar displays "Datamap download complete.", "Host: mopzos:51577", "CP: French - 1147", and "Normal Mode". A dialog box with "DELETE" (checked) and "UNLOCK" (unchecked) options is also visible.

CICS BEP - Configuration

- Use CLIST CBMCCDMP to create “data map” from a COPYBOOK accessible from BEP
 - Import COPYBOOK into WBI MB for mapping



```
A - MOP zOS.ws
File Edit View Communication Actions Window Help
[Icons: PrintScreen, Copy, Paste, Clipbrd, Send, Recv, HONE, Irvm, Retain, Record, Stop, Play, Quit, Support]
Command ==> _____ Scroll ==> CSR
. . . . .
V1.02.00          CICS Business Event Publisher for MQSeries          5655-J99
                  COBOL Copybook Conversion Utility
                                                    More:      +

Data Set Containing Copybook:
Project . . . . _____
Group . . . . _____
Type . . . . _____
Member . . . . _____

Other Partitioned Data Set:
Data Set Name . . FARKAS.CICSTRAN.COPYBOOK (COPYFILA) _____

Output Partitioned Data Set (for datamap):
Data Set Name . . CICBEP12.DATAMAPS _____
(If data set name does not contain a member name, the input copybook member
name will be used for the output member name.)

Extract options:
Command ==> _____
F1=HELP      F2=SPLIT      F3=END      F4=RETURN      F5=RFIND      F6=RCHANGE
F7=UP        F8=DOWN        F9=SWAP     F10=LEFT      F11=RIGHT     F12=RETRIEVE

MA a _____ 17/041
[Footer: Connected to remote server/host mopzos using lu/pool A6PTG1GA and port 523 | frdct11k.24207A/24/DCT A 20-40 on Ne05]
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BEP message réception sur WBI Message Broker

The screenshot displays the IBM Message Broker Designer interface. On the left, a 'Broker Application' tree shows the project structure. The main workspace contains a flowchart with the following nodes: BEPQ (Input), TraceIn (Input), Log (Input), Transform to XML (Transformation), Set PC code page (Transformation), BEP_XML_OUT (Output), BEP_Raw_Out (Output), and TestErr (Output). A red dashed line highlights the path from BEPQ through the transformation nodes to BEP_XML_OUT.

The 'Transformation en XML' dialog box is open, showing the source and target message structures for BEP_AADD (complexType1):

Source	Target
Header	Header
Transaction	Transaction
Resource	Resource
NUMB	NUMB
NAME	NAME
ADDRX	ADDRX
PHONE	PHONE
AMOUNT	AMOUNT

The 'Output Message Properties' dialog box is also open, showing the following settings:

- Message Body: BEP_AADD
- Format: XML1

