

Software Group

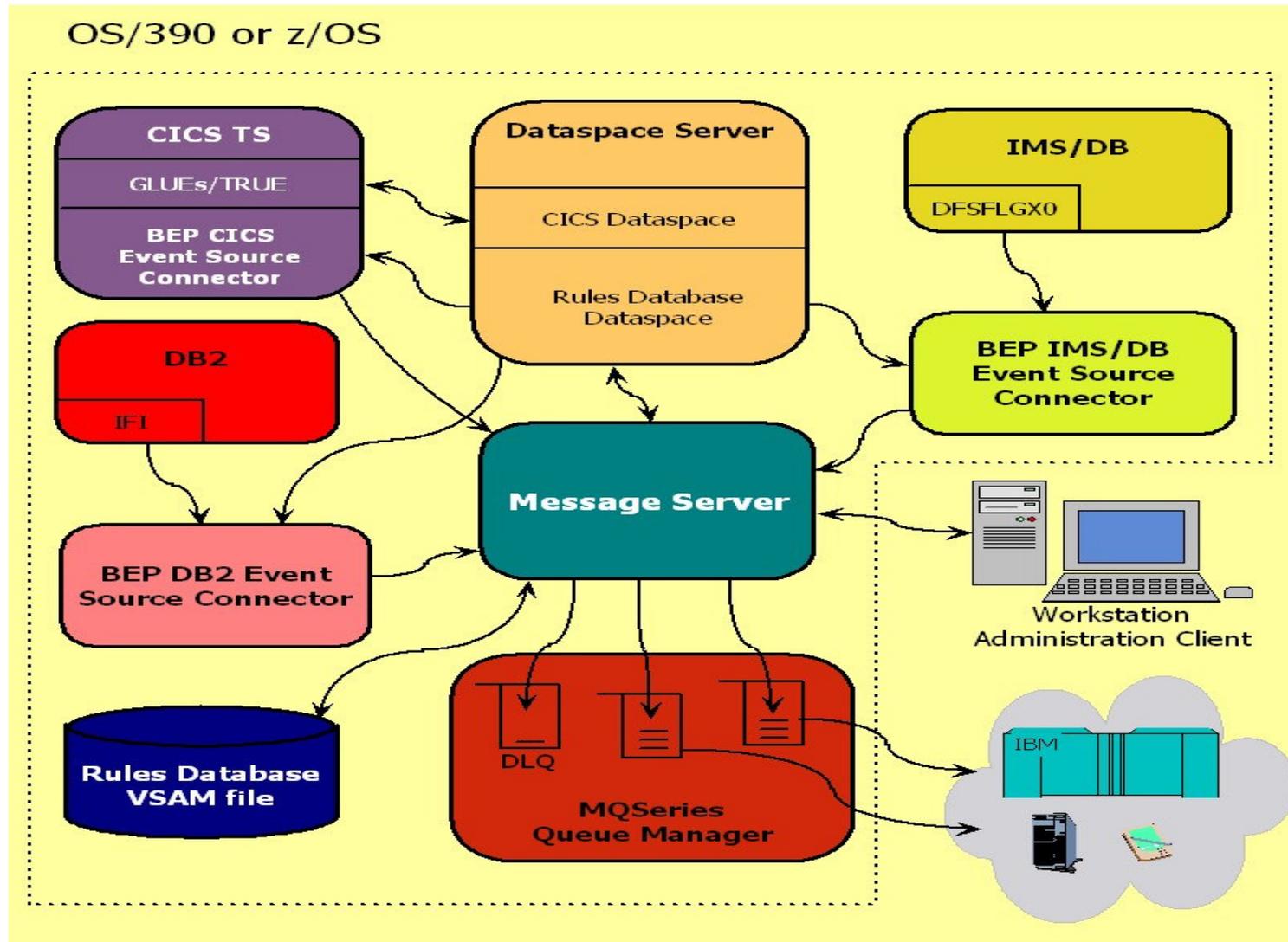
CICS Business Event Publisher (BEP) et WBI Message Broker démonstration

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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
 - Faible consommation 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...

Architecture BEP



BEP Configuration

The screenshot displays the BEP Configuration interface. 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 is the title "CICS Business Event Publisher for MQSeries". The main area contains several tabs: "Rule Type", "Selection Criteria", "Message Options", "MQPUT Options" (selected), and "Return Options".

The "MQPUT Options" tab is active, showing the following configuration options:

- Queue Name:** Includes a radio button for "Enter a Static Queue Name Here" (selected) with a text field containing "BEPQ", and a radio button for "Use a Dynamic Queue Name" with a button "Define the Layout for a Dynamic Queue Name...".
- Queue Manager Name:** Includes a radio button for "Enter a Static Queue Manager Name Here" (selected) with an empty text field, and a radio button for "Use a Dynamic Queue Manager Name" with a button "Define the Layout for a Dynamic Queue Manager Name...".
- Buttons for "Specify Message Descriptor Options (MQMD_*)" and "Specify Put Message Options (MQPMO_*)".

Other overlapping windows include:

- "Build Custom Message Layout for R...": Shows a "Current Message Layout" table with fields: NUMB, NAME, ADDR, PHONE, AMOUNT. It has "Move Up in Layout" and "Move Down in Layout" buttons.
- "The c...": Shows a "Datamap Fields" table with columns "Level" and "Field name".
- "The": Shows a "Fields by Offset Length" section with a "Get Data From" dropdown set to "Resource Data" and an "Offset" of 0.

At the bottom of the main window, there is a status bar with the text "Datamap download complete." and a host/connection string: "Host: mopzos:51577 CP: French - 1147 Normal Mode". A small dialog box is also visible with "DELETE" (checked) and "UNLOCK" (unchecked) options.

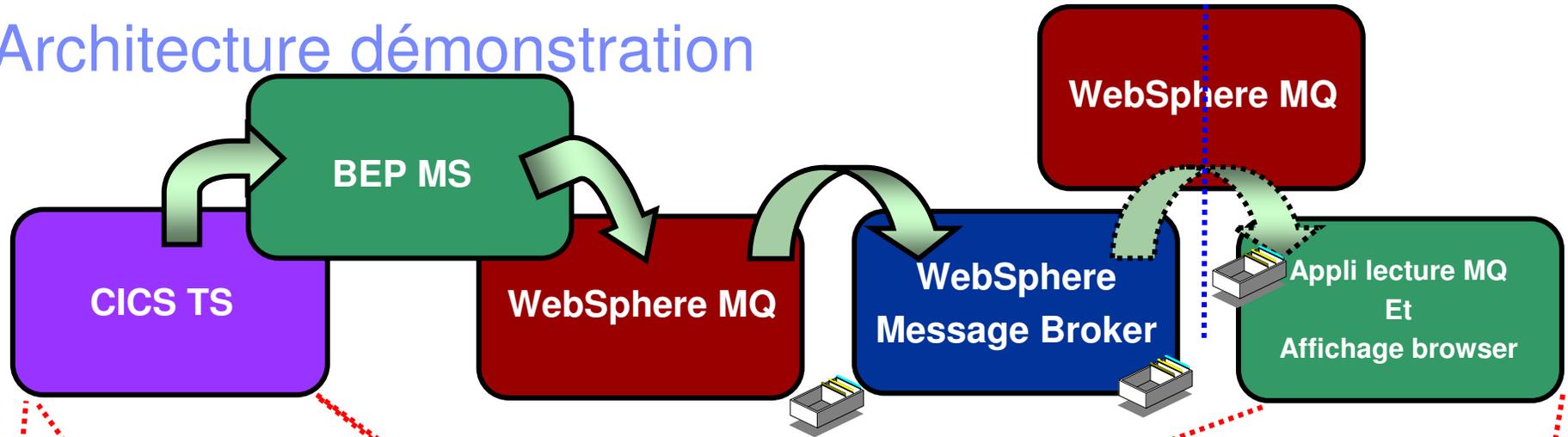
BEP message réception sur WBI Message Broker

The screenshot displays the WBI Message Broker configuration environment. On the left, a 'Broker Application' tree shows a project structure with various flows. The main workspace shows a message flow diagram starting with a 'BEPQ' input node. This flow branches into 'TestErr' and 'BEP_Raw_Out'. A 'TraceIn' node is also connected to the flow. A 'Log' node is connected to the flow, which then leads to a 'Transform to XML' node. This node is connected to a 'Set PC code page' node, which finally leads to a 'BEP_XML_OUT' output node. A red dashed line highlights the path from 'Log' to 'Transform to XML' to 'Set PC code page' to 'BEP_XML_OUT'.

The 'Transform to XML' node configuration is shown in the 'Output Message Properties' dialog box. The 'Message Body' is set to 'BEP_AADD' and the 'Format' is set to 'XML1'. The 'Source' and 'Target' message structures are also visible, showing a 'Transaction' with fields like 'Resource', 'NUMB', 'NAME', 'ADDRX', 'PHONE', and 'AMOUNT'.

Target	Source	Target value
- BEP_AADD (complexType1)	✓ BEP_AADD (complexType1)	s_BEP_AADD

Architecture démonstration



Two screenshots of a CICS TS terminal window. The top window shows the 'OPERATOR INSTRUCTIONS' menu with options like 'OPERATOR INSTR - ENTER AMNU', 'FILE INQUIRY - ENTER AINO AND NUMBER', 'FILE BROUSE - ENTER ABRW AND NUMBER', 'FILE ADD - ENTER AADD AND NUMBER', and 'FILE UPDATE - ENTER AUPD AND NUMBER'. The bottom window shows a 'FILE UPDATE' transaction in progress with fields: NUMBER: 096270, NAME: CARL, ADDRESS: PARIS, PHONE: 123, DATE: , AMOUNT: \$0020.00, COMMENT: MR.FARKAS. The prompt 'CHANGE FIELDS AND PRESS ENTER' is visible.

A screenshot of an Internet Explorer browser window displaying an XML document. The XML content includes transaction details such as SMHRESNAME, SMHREQTYPE, SMHTRANSID, SMHTERMID, SMHTASKNUMBER, SMHUSERID, SHMAPPLID, and transaction data like NUMB, NAME, ADDR, PHONE, and AMOUNT. The browser's address bar shows the file path: C:\Documents and Settings\Administrator\Local Settings\Temp\STEMPS.XML.