IBM

IBM Software Group

CICS Business Event Publisher V1.2
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CICS Application Transformation Tools

Vision Statement

Tools to provide cost-efficient CICS application change / reuse / integration and enable our Customers' legacy IT for SOA

Target customers

CICS customers, particularly those implementing on demand strategies, running WebSphere / CICS mixed workload environments or implementing SOAs

Key Customer Pains

- Poor application knowledge, especially CICS **runtime** applications

- Need **comprehensive** tools to **extend** core applications and data into the on demand world

- Need to **reuse CICS assets** in an SOA as provider & requester

Transform your CICS applications

Extend and modernize CICS applications efficiently

Improve programmer productivity

Increase customer satisfaction

Enable IT for SOA

CICS Application Transformation Tools

CICS Business Event Publisher for MQSeries®

- Create and manage outbound events using WebSphere MQ without changing existing CICS applications

CICS VSAM Transparency

- Enable VSAM to DB2 migration without rewriting applications

CICS Interdependency Analyzer

- Understand your active application inventory for efficient maintenance and upgrades

WebSphere Studio Enterprise Developer

- Efficiently develop and maintain a new generation of CICS COBOL or JAVA applications
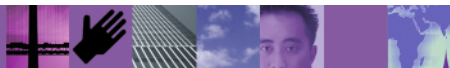
Coming Soon!

CICS 3270 Bridge Adapter

- Enable WBI Message Broker and/or J2EE app integration with 3270 CICS applications

CICS Integrator Agent (in CICS TS V3.1)

- Deploy modeled web service flows across CICS applications (Commarea & 3270)

CICS Business Event Publisher for MQSeries V1.2

- **Quick solution to get legacy customer applications to exploit MQSeries functions without the need for Application program changes**

- Integrate legacy applications and data to new environments (CICS, IMS and DB2 events)

- Creates MQPUT messages for MQSeries queue from events and associated information

- Based on user-specified message content rules, Queue names and MQPUT options

- Provides easy to use workstation GUI for selection and rules creation

- Real time action and results

- Offers low cost, low risk integration strategy

ibm.com/cics/bepub

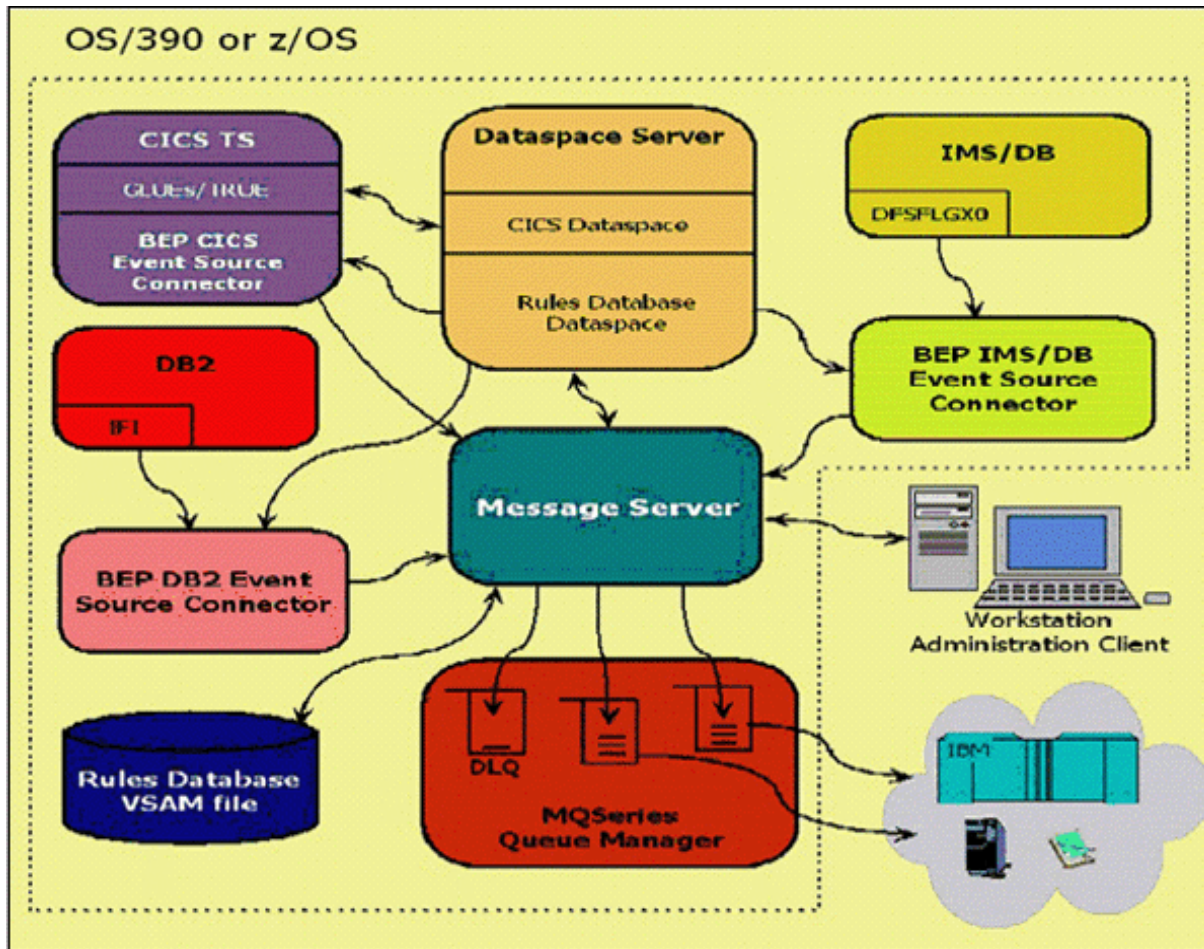# CICS Business Event Publisher for MQSeries V1.2

Value:

- No change to existing application programs or data

- Extends legacy to new environments
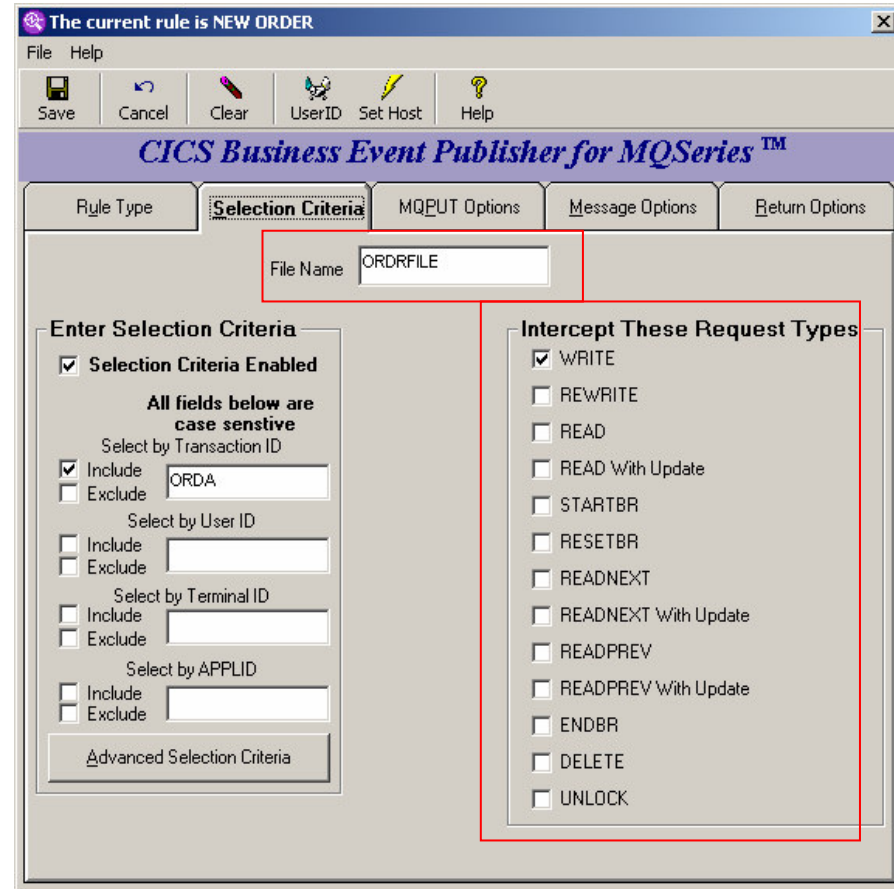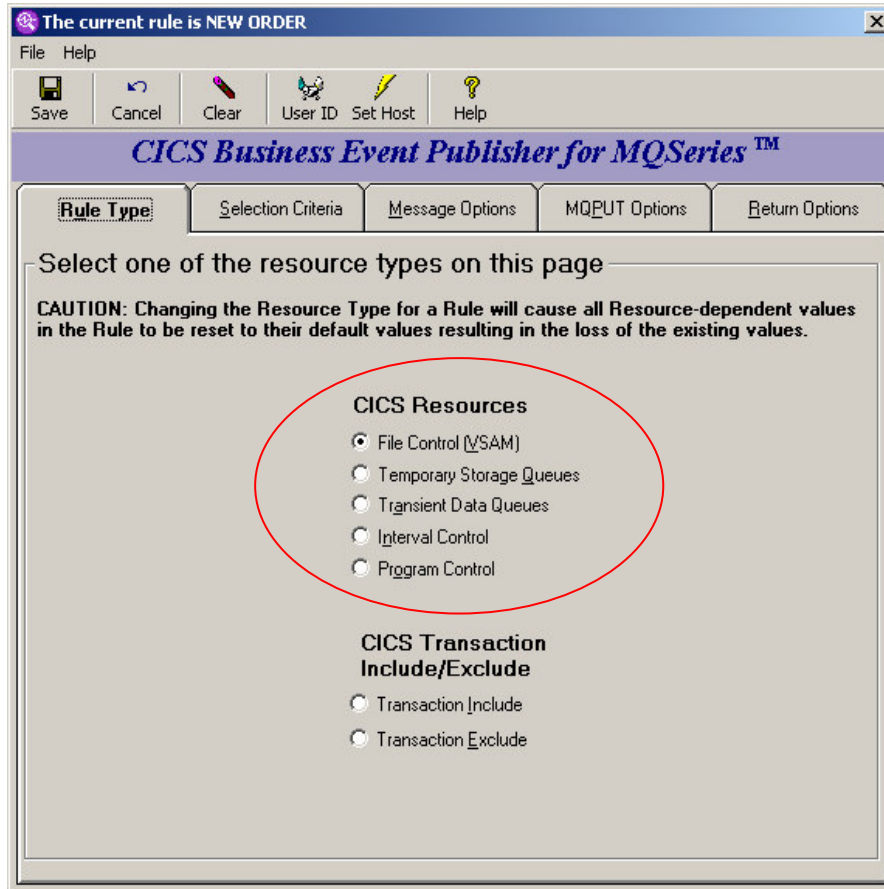
CICS BEP scenarios:

- Event notification – new customer added, account = zero

- Activity Audits – who, what, when is accessing the file?

- Error notification – create message when error detected

- Threshold notification – stock running low

- Automation – removal of manual or latency in business process

CICS Business Event Publisher for MQSeries Version 1.2

CICS BEP Workstation Client

CICS BEP scenario – error notification

- Bank detects all application errors by means of a unique program linked to by all other application programs.

- CBEP evaluates all the Exec CICS Link commands in order to understand if the command has been issued for an application error.

- A CBEP rule was created so that an "alarm message" is written onto 2 MQ queues only if a given threshold of errors in a given time interval is exceeded.

- The first queue is then read by a program that sends the message to an "alarm console"

- The second is read by the Topcall product (telephony broker) which sends a SMS message to a cell phone.

- All the above parameters (error codes, threshold, alarm and SMS message content, time interval, cell phone number) are defined in the Rule and the resulting MQ message with the administration GUI so that they can easily modified and tuned without any programming effort.

Identifying possible usages

- Do you have business processes that are tied up in CICS (DB2 & IMS) applications and data, that you'd like to make available in other environments?

- Have you considered the cost and risk of either re-engineering your CICS (DB2 or IMS) applications/data, or writing new business applications from scratch?

- Are you running MQSeries on the mainframe as well as CICS (DB2 or IMS)? (BEP message server connects to a local QMGR)

Customer benefits

- Companies with unconnected infrastructure investments
  - want to integrate legacy systems with new business units
  - want to link packaged applications with legacy systems

- Companies want to reuse their legacy applications
  - Reduce the cost of new application development

- Companies want to utilize new business environments

- Companies want to exploit new technology
  - E.g. Allow mobile users to be CICS users

- Allows for automation
  - Removal of latency from system – more efficient throughput
  - Removal of manual (error prone) actions
  - Improves accuracy and efficiency

- Streamline business processing
  - Action taken when event detected
  - 'Push' not 'Pull' process
  - Real time action and results

Further Info / Resources

CICS BEP internet site

www.ibm.com/cics/bepub

includes library