



IBM Software Group

WebSphere® Process Server V6.0 WebSphere Integration Developer V6.0

Common Base Event Browser



@business on demand.

© 2006 IBM Corporation
Updated January 13, 2006

This presentation will focus on viewing Common Base Events using the Common Base Event Browser which is included with WebSphere Process Server V6.0.

Goals

- Describe Common Base Event client architecture
- List features of Common Base Event Browser



The goals of this presentation are to describe the architecture of clients in an environment which generates Common Base Events and to list the features of the Common Base Event Browser.

Agenda

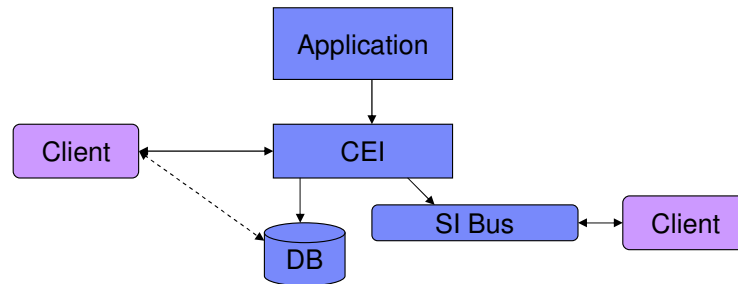
- **Common Base Event Clients**
- Summary



This section will provide a look at Common Base Event clients.

Event Client Overview

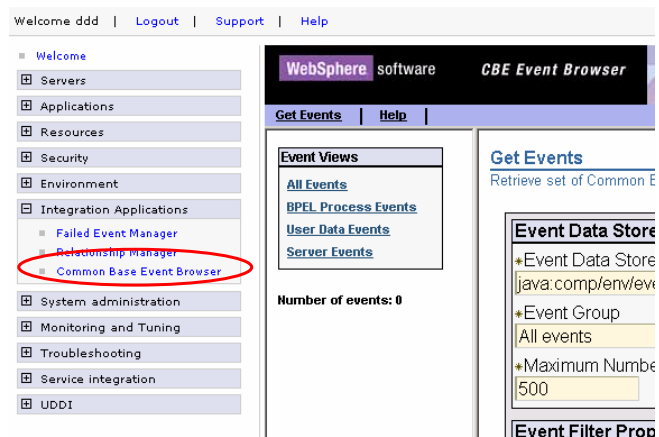
- Business Events can be handled by different clients
 - ▶ WebSphere Event Browser and Viewer
 - ▶ WebSphere Business Integration Monitor
 - ▶ Other CEI and Common Base Event enabled applications
- Clients can work with stored events (DB) or receive events asynchronously (SI Bus)



The Common Event Infrastructure (CEI) has the ability to store events locally or publish them to various messaging destinations where clients can listen for and act upon them. There are also APIs the client can use to access those events that are stored locally on the system. Events can be published synchronously or asynchronously onto the CEI enabling the CEI server to be located on a system separate from the production transaction system and perform “after the fact” study and consumption of those events.

Common Base Event Browser

- Integrated application included with WebSphere Process Server for basic event viewing
 - ▶ Available through Administrative Console
 - ▶ Secured by Administrative Console permissions
- Setup as part of profile setup
- Provides basic event search and viewing capabilities



Common Base Event Browser

© 2006 IBM Corporation

The Common Base Event browser is the default mechanism for viewing events that are stored as part of the CEI framework. This tool is available within the administrative console and is very similar to what was offered in WebSphere Business Integration Server Foundation V5.1.1. When you set up a profile, you have the option to enable CEI support. When you do, this application will be installed and the appropriate events database and events catalog database will be created. Cloudscape will be used by default, but you can also use DB2® or Oracle™ for greater scalability. The Common Base Event Browser provides a view of the events that are generated and stored. It provides lists, views, and search capabilities to retrieve views from a certain date or specific host.

Common Base Event Browser (cont.)

- Displays generic lists of events
 - ▶ No correlation or end-to-end view of events
 - ▶ Limited amount of application data displayed
- Scripts available for cleaning up event information in event database at `<profile_location>\event\bin\eventpurge.jacl`

The screenshot shows the Common Base Event Browser (CBE) interface. The top navigation bar includes 'WebSphere software' and 'CBE Event Browser'. Below the navigation bar, there are tabs for 'Get Events' and 'Help'. The main content area is divided into two panes. The left pane, titled 'Event Views', contains a list of event categories: 'All Events', 'BPEL Process Events', 'User Data Events', and 'Server Events'. Below this list, it indicates 'Number of events: 5' and 'Page 1 of 1'. The right pane displays a table of event details for the selected event. The table has columns for 'Select', 'Creation Time', and 'Action'. The selected event is from 2005-05-26T11:4. The right pane shows detailed data for the selected event, including contextDataElement, extendedDataElement, and reporterComponentId.

Select	Creation Time	Action
<input type="radio"/>	2005-05-26T11:4	contextDataElement / ECSParentID / contextValue 9.5.12.228;CleansePublishBPEL;sca/dynamic/reference;;;11171079;
<input type="radio"/>	2005-05-26T11:4	extendedDataElement / PayloadType full
<input checked="" type="radio"/>	2005-05-26T11:4	extendedDataElement / EventNature ENTRY
<input type="radio"/>	2005-05-26T11:4	extendedDataElement / BPCEventCode 21007
<input type="radio"/>	2005-05-26T11:4	extendedDataElement / processTemplateName CleansePublishBPEL
<input type="radio"/>	2005-05-26T11:4	extendedDataElement / processTemplateValidFrom Thu 2005-05-26 11:32:13.000
<input type="radio"/>	2005-05-26T11:4	extendedDataElement / activityKind 23 - KIND_RECEIVE
<input type="radio"/>	2005-05-26T11:4	extendedDataElement / state 11 - STATE_WAITING
		extendedDataElement / bpelId 3
		extendedDataElement / activityTemplateName Receive
		reporterComponentId
		sourceComponentId / component WBI-SF#Platform 6.0 [ND 6.0.1.0 o0510.18] [WBI 6.0.0.0 o0520.03]

The Common Base Event browser allows you to view events, but deeper analysis is reserved for more robust monitoring tools such as the WebSphere Business Monitor product. Events that you create programmatically will show up here as well. If you used the Common Base Event APIs and populated the extended data element with specific values containing application information, you can see this in the browser. You can also view the parent ID here. The current event ID and the parent ID are used for grouping the different events together into business transactions. The event example shown here was generated from the BPEL process and by default, the event will contain the context information from the SCA session, which can be used for correlation. When CEI is configured, it has a database option for the storage of events. These events can be cleared out because this database will quickly become filled with events. There is a JAACL script located within the profile location that calls MBeans that interact with the CEI framework to clean out these events. You should use this JAACL script rather than going into the event database and deleting rows from the tables.

Agenda

- Common Base Event Clients
- **Summary**



This section will provide a summary for the presentation.

Summary

- WebSphere Process Server provides an event browser for viewing events published to CEI
- Common Base Event Browser provides the basic functions for viewing and searching for generated Common Base Events



In summary, the Common Base Event browser is a basic client that provides a limited capability for viewing events. For more powerful viewing capability, use WebSphere Business Monitor.

Trademarks, Copyrights, and Disclaimers

The following terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

IBM	CICS	IMS	MQSeries	Tivoli
IBM (logo)	Cloudscape	Informix	OS/390	WebSphere
eIogo/business	DB2	iSeries	OS/400	xSeries
AIX	DB2 Universal Database	Lotus	pSeries	zSeries

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Intel, ActionMedia, LANDesk, MMX, Pentium and ProShare are trademarks of Intel Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Linux is a registered trademark of Linus Torvalds.

Other company, product and service names may be trademarks or service marks of others.

Product data has been reviewed for accuracy as of the date of initial publication. Product data is subject to change without notice. This document could include technical inaccuracies or typographical errors. IBM may make improvements and/or changes in the product(s) and/or program(s) described herein at any time without notice. Any statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only. References in this document to IBM products, programs, or services does not imply that IBM intends to make such products, programs or services available in all countries in which IBM operates or does business. Any reference to an IBM Program Product in this document is not intended to state or imply that only that program product may be used. Any functionally equivalent program, that does not infringe IBM's intellectual property rights, may be used instead.

Information is provided "AS IS" without warranty of any kind. THE INFORMATION PROVIDED IN THIS DOCUMENT IS DISTRIBUTED "AS IS" WITHOUT ANY WARRANTY, EITHER EXPRESS OR IMPLIED. IBM EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT. IBM shall have no responsibility to update this information. IBM products are warranted, if at all, according to the terms and conditions of the agreements (e.g., IBM Customer Agreement, Statement of Limited Warranty, International Program License Agreement, etc.) under which they are provided. Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products in connection with this publication and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. IBM makes no representations or warranties, express or implied, regarding non-IBM products and services.

The provision of the information contained herein is not intended to, and does not, grant any right or license under any IBM patents or copyrights. Inquiries regarding patent or copyright licenses should be made, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. The actual throughput or performance that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput or performance improvements equivalent to the ratios stated here.

© Copyright International Business Machines Corporation 2005,2006. All rights reserved.

Note to U.S. Government Users - Documentation related to restricted rights-Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract and IBM Corp.

