



IBM Software Group

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

## *Common base event browser*



@business on demand.

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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

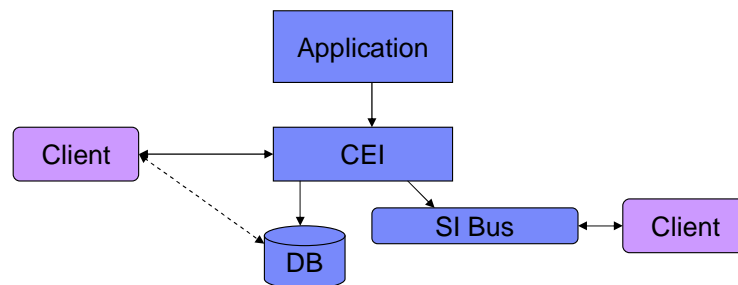


The goals of this presentation are to describe the architecture of clients in an environment which generates Common Base Events and to list the features of the Common Base Event Browser.



## 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)



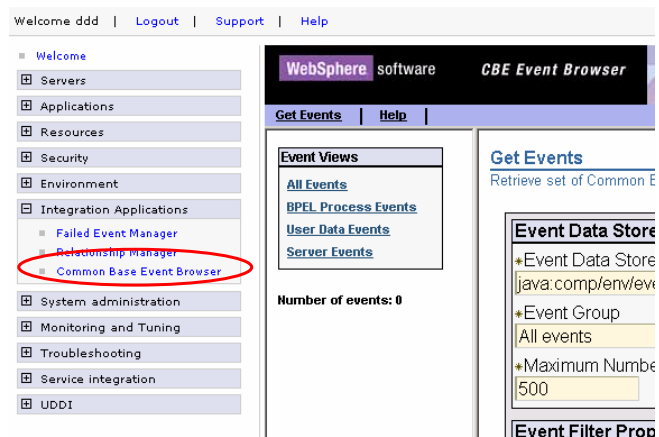
Common base event browser

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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



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 WebSphere CBE Event Browser interface. On the left, there is a sidebar with 'Event Views' including 'All Events', 'BPEL Process Events', 'User Data Events', and 'Server Events'. Below this, it indicates 'Number of events: 5' and 'Page 1 of 1'. The main area displays a table of events with columns for 'Select', 'Creation Time', and 'Action'. The selected event is from '2005-05-26T11:4' and has an action of 'CleansePublishBPEL'. The detailed view on the right shows the following data:

contextDataElement / ECSParentID / contextValue	9.5.12.228;CleansePublishBPEL;sca/dynamic/reference;;;11171079;
extendedDataElement / PayloadType	full
extendedDataElement / EventNature	ENTRY
extendedDataElement / BPCEventCode	21007
extendedDataElement / processTemplateName	CleansePublishBPEL
extendedDataElement / processTemplateValidFrom	Thu 2005-05-26 11:32:13.000
extendedDataElement / activityKind	23 - KIND_RECEIVE
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.

## Common base event browser

**WebSphere** software  
Common Base Event Browser

Get Events Help

**Event Views**

- All Events
- BPFL Process
- Events
- User Data Events
- Server Events

Number of events: 0

**Get Events**  
Retrieve set of Common Base Events from the Common Events Infrastructure to view.

**Event Data Store Properties**

- +Event Data Store  
java:comp/env/eventsaccess The JNDI name used to access the CEI event access EJB
- +Event Group  
All events The event group from which the events are retrieved
- +Maximum Number of Events to Retrieve  
500 The maximum number of events to retrieve from the Common Events Infrastructure

**Event Filter Properties (Optional)**

Creation Date From  To  The range of creation dates and times of events to retrieve

Creation Time From  To

Server Name  The name of the server on which the retrieved events originated

Sub-Component Name  The sub-component on the specified server name from which the retrieved events originated

Priority From  To  The range of priorities of events to retrieve (0 to 100)

Severity From  To  The range of severities of events to retrieve (0 to 70)

SessionID  The session identity in which the events were part of

Get Events

Common base event browser © 2007 IBM Corporation

The common base event browser has added an entry for session id to allow the events to be filtered. The session id selected will be kept when transitioning between the Common Base Event browser and the failed event manager allowing the same event to be viewed.

## 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.

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