

Common Event Infrastructure Version 6.0.0 Fix Pack 3 Readme File

Date: February 22, 2006

Name: 6.0.0-CEI-FP03

Component: Common Event Infrastructure Version 6.0.0

Before using this information and the product it supports, read the information in the "Notices" section, at the end of this document.

First Edition (February 2006)

This edition applies to version 6, release 0 of Common Event Infrastructure.

(C) Copyright International Business Machines Corporation 2006.

All rights reserved.

US Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Table of Contents

About This Fix Pack

- Fix Pack Contents
- Patches Superseded By This Fix Pack
- Supported Operating Systems
- New In This Fix Pack
- Fix Pack Notes

Installation and Configuration

- Prerequisites
- Installation Instructions
- Compile time Dependencies

APARs Corrected By This Fix Pack

Known Limitations

Documentation Updates

Files Added or Replaced

Contacting Software Support

Notices and Trademarks

About This Fix Pack

This section provides general information about this fix pack. Read this entire document before you install this fix pack. This Readme document is provided in Adobe Acrobat format only.

Fix Pack Contents

The 6.0.0-CEI-FP03 fix pack contents are shipped in the 6.0.0-CEI-FP03.tar file. The file provides the following:

- This Readme file
- cei-sdk-image.zip

Patches Superseded By This Fix Pack

The following patches are superseded by this fix pack:

- CEI 6.0.0
- CEI 6.0.0.1
- CEI 6.0.0.2

Supported Operating Systems and Databases

CEI fix pack 3 will support the OS platforms that are listed in the support matrix for the WebSphere Application Server Version 6.0.2 that can be found here: http://www-306.ibm.com/software/webservers/appserv/doc/v60/prereqs/was_v602.htm. However, OS/400 is not supported by CEI.

CEI fix pack 3 will support the following RDBMS platforms:

- DB/2
- Oracle
- Cloudscape

The versions of these RDBMS platforms that are supported can be found in the support matrix for the WebSphere Application Server Version 6.0.2: http://www-306.ibm.com/software/webservers/appserv/doc/v60/prereqs/was_v602.htm.

New In This Fix Pack

The section provides information about changes that have been made to the Common Event Infrastructure component.

- Only defects have been fixed in this fix pack. No new functionality is provided. See the section titled *Defect Fixes included with this fix pack* for more information.

Fix Pack Notes

Read the following notes prior to installing the fix pack. You should also read the Documentation Updates section for information about changes that have been made to the documentation.

- The installation script is used for both new and upgrade installations.

Installation and Configuration

This section provides installation information for the 6.0.0-CEI-FP03 fix pack for the Common Event Infrastructure Version 6.0.0.

Prerequisites

- IBM WebSphere Application Server Versions 6.0, 6.0.1, or 6.0.2.
- JDK 1.4.2 that ships with WebSphere Application Server 6.0, 6.0.1, or 6.0.2.
- The Hyades CBE implementation that is shipped with WAS 6.0. Please refer to the WAS 6.0 documentation for the Hyades CBE Javadoc API documentation. The CBE 1.0.1 specification can be found here: <ftp://www6.software.ibm.com/software/developer/library/ac-toolkitdg.pdf>.
- JXPath version 1.1 that is included in the CEI file commons-jxpath.jar.

Installation instructions

Installation instructions are included in the file `cei-install.txt` which is part of the `cei-sdk-image.zip` file.

Compile Time Dependencies

To compile an event source or event consumer you need the following jar file: **events-client.jar**

To compile a program that uses CEI install classes you need the following jar file: **cei_installer.jar**

Defect fixes included with this fix pack

The section provides a description and the resolution of the defect fixes that are provided by the 6.0.0-CEI-FP03 fix pack.

Defect: 152748

Symptom: The `dbconfig` directory under the `tools` directory was not updated during a CEI upgrade.

Resolution: The `dbconfig` directory is now updated.

Defect: 152749

Symptom: The database creation script fails on Windows when checking for the existence of the CEI database using a DB2 client.

Resolution: The database username and password are now passed to the DB2 client so that the existence check will work properly.

Defect: 152750 (botp 310238)

Symptom: The CEI event directory does not exist in the DMGR profile directory.

Resolution: The CEI event directory will now be created in the DMGR profile directory for both new and upgrade installations.

Defect: 152752

Symptom: Deployment of the CEI event server fails in an environment where application server names are not unique.

Resolution: CEI will now qualify the application server with node name so that the deployment will be successful.

Defect: 153217 (botp 330629)

Symptom: In the WAS admin console, a blank screen is presented when selecting a New CEI Data Store Profile.

Resolution: The panel is now displayed properly.

Defect: 153219 (botp 327702)

Symptom: The JDBC provider created for the CEI install uses the wrong template when creating a Type-2 provider on zOS.

Resolution: For zOS, the legacy JDBC driver was removed.

Defect: 153268 (botp 327022.1)

Symptom: CEI profile augmentation fails on the database portion when the WAS_HOME path contains latin-1 characters.

Resolution: Latin-1 characters are now supported.

Defect: 153272 (botp 316124)

Symptom: The sendEvent() API of com.ibm.events.Emitter does not throw an EventsException when the CEI server is not running.

Resolution: An EventsException is now thrown for this case.

Defect: 153273 (botp 292654)

Symptom: If a WebSphere profile is augmented with CEI and that profile is then deleted and recreated, an attempt to augment the recreated profile with CEI will fail.

Resolution: Re-augmentation will now succeed.

Defect: 153274 (botp 306325)

Symptom: The isProfileAugmentedWithCei() API call in com.ibm.events.install.InstallUtil does not ignore the alphabetic case of the profilePath argument on Windows.

Resolution: This call will now ignore the case of the profilePath argument in Windows.

Defect: 153298

Symptom: The XML Store does not process events in batch mode.

Resolution: Batch updates are now supported.

Defect: 154147

Symptom: CEI Event Catalog commands fail with an error message similar to: -204, SQLSTATE: 42704, SQLERRMC: USER74.CEI_T_CAT_ESDEF when running DB2 v8 on zOS.

Resolution: CEI was using the wrong table name. The correct table name is CEI_T_CAT_EXDEF. DB2 v* on zOS now works properly.

Defect: IY80503

Symptom: CEI commands may fail with error CEICL0001E if multiple application servers are running on the federated WebSphere node where the CEI event server is deployed.

Resolution: A new option, -serverName, has been added to all CEI commands so that the user may specify which application server the CEI event server is running on.

Information about previous fix packs

The section provides a list of line items for the CEI 6.0.0 release and a description and the resolution of the defect fixes that were provided by previous fix packs.

CEI 6.0.0 Release

- CM-128 CEI Event Server running on WAS 6.0
- PF-136 Eliminate transaction suspension during event distribution
- PF-139 Batch event emission
- UP-162 CEI V5.1.x migration to CEI 6.0.x
- OS-164 IMP (Platform): Red Flag Linux coverage
- OS-165 IMP (Platform): AIX 5.3 coverage
- OS-166 IMP (Platform): Red Hat Enterprise Linux 4
- OS-167 IMP (Platform): SuSE Linux Enterprise Server 9
- OS-168 IMP (Platform): Solaris 10
- OS-170 IMP (Platform): Windows 2003 Server on AMD64/EM64T
- DB-171 IMP (Database): DB/2 8 on z/OS
- DB-172 IMP (Database): Oracle 10 G
- GL-179 GLOBALIZATION: Enablement of CEI for all Group 1, Group 2 and Group 3 and others
- SA-180 Provide granular access control to CEI APIs
- DB-185 IMP (Database): DB/2 8.2
- SC-186 Support for WAS clustering
- PF-187 Fast purge for event data
- FN-199 Purge CLI should take a start time and end time like query CLI
- PF-201 Use LocalHomeHelper SPI in EventBusSender
- FN-83 Support for event update API

Fix Pack 1 - CEI 6.0.0.1

Defect: n/a

Symptom: Support for WAS 6.0.2.3

Resolution: Regression testing is now done for WAS 6.0.2.3

Defect: 286889

Symptom: CEI profile augmentation fails if any path contains double byte characters.

Resolution: Double byte characters are now allowed.

Defect: 297707

Symptom: CEI script fails when profile path contains non-ASCII characters.

Resolution: Non-ASCII characters are now allowed in a profile path.

Defect: 301613

Symptom: The CEI event-message.jacl script does not support a scope of 'cluster'.

Resolution: Clusters are now supported.

Defect: 150187

Symptom: Error message CEIIN0598E received when deploying the CEI application on a federated node during augmentation

Resolution: Augmentation on a federated node is now successful.

Fix Pack 2 - CEI 6.0.0.2

Defect: 321296

Symptom: CEI fails to upgrade.

Resolution: CEI can now be upgraded.

Known Limitations

For zOS you need to use WAS 6.0.2.5 or higher. There are known installation issues with WAS 6.0.2.3.

Documentation Updates

The latest CEI Developer's Guide can be found here:

https://cs.opensource.ibm.com/docman/view.php/1677/51701/cei_developers_guide.pdf

or by following the documentation links from: <https://cs.opensource.ibm.com/projects/cei>.

- The following Common Event Infrastructure commands support a new command line argument, [-serverName server_name], where "server_name" is the name of the application server where the EventServer application is deployed.
 - emitevent.jacl
 - eventquery.jacl
 - eventpurge.jacl
 - eventcatalog.jacl
 - eventbucket.jacl

This argument is optional but should be specified when there are multiple application servers running on the WebSphere node where the EventServer application is deployed. Otherwise, the commands may fail because they cannot locate the Common Event Infrastructure enterprise beans.

Files Added or Replaced With This Fix Pack

This fix pack contains a refresh of the entire CEI component. The following files are included in the **cei-sdk-image.zip** file:

- 6.0.0-CEI-FP03-README.pdf -- This README file
- cei-unix.zip -- Install image and client libraries for Unix.
- cei-windows.zip -- Install image and client libraries for Windows.
- cei-javadocs.zip -- Common Event Infrastructure Java docs.
- ceiininstallsample.zip -- Sample response file and script to install CEI in distributed platforms.
- cei-install.txt -- Instruction on how to install and deploy CEI

Contacting Software Support

For support, please refer to the instructions in the DOU you have with CEI. Problems suspected to be in CEI should be reported via PMR submission to the CEI L2 team.

Notices

This information is for internal use only and should not be included in any external product documentation.