



OFFICE OF THE SENIOR VICE PRESIDENT –  
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Re: Release: 1881  
Error Reports: 2225, 2226  
Programs: PS003  
Copy Members: None  
Include Members: None  
DDL Members: None  
Bind Members: None  
CICS Maps: None  
CICS Help: None  
Forms: None  
Table Updates: None  
Java Programs: LogonAction.java, TimeoutAction.java  
JavaScript: EDBInquiry.jsp (new)  
Web Pages: blank.jsp, browse\_ppwwibrs.jsp, detail\_print.jsp, detail\_screen.jsp,  
employeeselection.jsp, footer.jsp, header.jsp, laborrelations\_ppwwilab.jsp  
navigation.jsp  
Urgency: Urgent (see Timing of Installation below)

This release addresses the following Error Report:

**Error Report 2225**

It was discovered that multiple instances of the new PPSWeb and EDBInquiry applications could not be successfully installed on the same server.

**Error Report 2226**

If the home department for an employee is not in the Home Department table, the browse screen abends.

**Summary of Changes**

For error report 2225, the problem was that the "context root" of the application was hard-coded in the JavaScript code in EDBInquiry.js. This module has been replaced with EDBInquiry.jsp which can make use of the parameterized context root. All references to EDBInquiry.js have been replaced by references to EDBInquiry.jsp.

In addition, the path for the secure cookie for the EDB Inquiry application was hard coded. This has been changed to use a parameter as well.

For error report 2226, the cause is an SQLCODE of -305 in outer join queries in web service program PS003, when the HOME\_DEPT in PPPPER doesn't exist in the PPPHME table. The solution is to use the COALESCE SQL function in the outer joins for the home department field.

## **Programs**

### **PS003**

PS003 is the driver program for the PS003 web service which returns data for the employee browse web page. It has been modified to prevent a -305 Sqlcode when data conditions are such that there are rows in table PPPPER with a home department that does not exist in table PPPHME. The change made to PS003 was to replace HME.HME\_ABRV\_DEPT\_NAME with COALESCE (HME.HME\_ABRV\_DEPT\_NAME, '????????????????') in the list of columns selected in each of the six cursors that use an LEFT OUTER JOIN between tables PPPPER and PPPHME.

## **PPSWeb Application**

### **Java Programs**

#### **LogonAction.java**

LogonAction.java is the action class associated with the logon screen. It authorizes user id and password before displaying PPSWeb main menu. It was modified to use the EDB context root parameter as the path for the secure cookie.

#### **TimeoutAction.java**

TimeoutAction.java is invoked when an application has determined that the timeout interval has been reached. It was modified to use the EDB context root parameter as the path for the secure cookie.

## **EDBInquiry Application**

### **JavaScript**

#### **EDBInquiry.jsp (new)**

The javascript code for the EDBInquiry application has been moved from EDBInquiry.js to EDBInquiry.jsp to force it to be parsed by the JSP engine before being sent to the browser. This allows the context root to be dynamically accessed from the variable provided by the JSP framework.

### **Web Pages**

#### **blank.jsp**

blank.jsp is the html format for subsidiary screens called by some detail screens. The purpose of blank.jsp is to display the same background color on any such secondary screens. References to EDBInquiry.js have been replaced with EDBInquiry.jsp.

#### **browse\_ppwwibrs.jsp**

browse\_ppwwibrs.jsp is the html format for the browse screen. References to EDBInquiry.js have been replaced with EDBInquiry.jsp.

#### **detail\_print.jsp**

detail\_print.jsp is the "wrapper" html format used when printing any of the individual detail screens. References to EDBInquiry.js have been replaced with EDBInquiry.jsp.

#### detail\_screen.jsp

detail\_screen.jsp is the "wrapper" html format for all the individual detail screens. References to EDBInquiry.js have been replaced with EDBInquiry.jsp.

#### employeeselection.jsp

employeeselection.jsp is the html format for the "home page" of this application. References to EDBInquiry.js have been replaced with EDBInquiry.jsp.

#### footer.jsp

footer.jsp is the html format for the footer displayed at the bottom of the screen. References to EDBInquiry.js have been replaced with EDBInquiry.jsp.

#### header.jsp

header.jsp is the html format for the header information shown at the top of each page. References to EDBInquiry.js have been replaced with EDBInquiry.jsp.

#### laborrelations\_ppwwilab.jsp

laborrelations\_ppwwilab.jsp is the format for the labor relations screen. A hard-coded context root value was replaced by a symbolic parameter in the hyperlink to the appointment screen.

#### navigation.jsp

navigation.jsp is the html format for the navigation action buttons displayed on the left side of each screen. References to EDBInquiry.js have been replaced with EDBInquiry.jsp.

### **Installation Instructions**

1. Install, DB2 precompile, compile, link and package bind the modified CICS program **PS003**. The program must be compiled using the integrated CICS translator feature of the Cobol compiler. See release 1873 for more details and sample JCL,
2. Web Application Installation.
  - 2.1 If customizations to the application are required, download the source archive file from the release datasetPAYDIST.R1881.PPSZIP using binary FTP. Rename the file as PPSWebApps.zip. Import this file into RAD, code and test customizations, and generate the new .ear file for deployment. See the Detail Design document for details.
  - 2.2 If no customizations are required, download the .ear file from the release dataset PAYDIST.R1881.PPSEAR using binary FTP. Rename the file as PPSWebAppsEAR.ear.
  - 2.3 Deploy the .ear file to the appropriate web application server. This will cause two applications to be installed: PPSWeb and EDBInquiry.
3. Obsolete Objects.
  - 3.1 Within the updated EDB Inquiry application, javascript module EDBInquiry.js has been replaced by EDBInquiry.jsp. Therefore, EDBInquiry.js is now obsolete.

## **Test Plan**

### **1. LOADCTL: Control Table (CTL) Initial Load**

#### **Verification**

Verify that the job has completed normally.

### **2. LOADEDDB: Employee Database (EDB) Initial Load**

#### **Verification**

Verify that the job has completed normally.

### **4. Web Testing**

- 4.1 Log into web EDB inquiry and select Browse. Note that the home department for employee 000050001 shows all "?". That's because the home department for this employee is not on the PPPHME table. In the previous version, this would have caused an abend. This verifies the installation of the modified version of program PS003.
- 4.2 From anywhere on the main section of the browse screen, right-click and select "view source". The source code for browse\_ppwwibrs.jsp will be displayed, showing the current release number. This verifies the installation of the new web modules.

## **Timing of Installation**

The timing of this release is **urgent**. If multiple instances of PPSWeb and EDBInquiry are going to be deployed on the same web server, the changes must be installed.

As usual, campuses are encouraged to install this release in as timely a fashion as possible and in the normal numeric sequence.

If there are any questions, please send electronic mail to maxine.gerber@ucop.edu, or call 510-987-0422.

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