It has been reported from UC Berkeley that when a set of 11 batches are processed via the Daily EDB Web/IVR Update Process, the batch run statistics are not displayed on the Daily Transaction Process Control Report (PPESSR2) for the 11th batch. In addition, it has been reported that the batch numbers displayed under the column “Batch Number” on page 1 of the report are '00'. The errors reported have been replicated at UCOP. Test results show that, when a 11th batch header record is processed, unpredictable results may occur due to an out of bound subscript. Even though no batch run statistics are displayed for the 11th batch, the transactions associated with the 11th batch header record are successfully processed.

The maximum number of batches allowed are defined in copymember CPWSXESS. The “OCCURS 10” should be increased to accommodate more than 10 input batches. It is suggested that the existing maximum of 10 batches should be increased to 25 to accommodate future batches.

Research indicates that report module PPESTRP2 is moving a subscript value used to control program loop from field XESS-STATRPT-SUB, which is defined as “PIC S9(04) COMP”, to field BATCHNUM-DET, which is defined as “PIC X(2)”. Thus, the problem is the assignment of a packed binary data value to a two-byte character field. However, instead of using the subscript value as the batch number on the report, the actual batch number from the batch header record should be displayed.

Programs

PPESTRP2
The COBOL “OCCURS 10” statements have been changed to “OCCURS 25”. In addition, the actual batch number stored in the array is moved to the Daily Transaction Process Control report (PPESSR2).

**PPESTUTL**

The actual batch number from the input batch header record (columns 8 through 10) is moved to the appropriate entry in the array.

**Copymembers**

**CPWSXESS**

The COBOL “OCCURS 10” statements have been increased to “OCCURS 25”.

**Test Plan**

A complete test plan is provided with this release.

**Installation Instructions**

1. **COBOL Program Installation**

   At UCOP, all COBOL programs pass through the DB2 pre-compiler, whether or not the program contains embedded SQL, to resolve INCLUDE references. Your site may have different requirements.

   **Note:** “DUAL” programs must be compiled twice and linked into batch and online libraries (“LOADLIB” and “OLOADLIB” respectively). “CICS” programs must be CICS pre-compiled and compiled once and linked into OLOADLIB. “BATCH” programs must be compiled once and linked into the batch LOADLIB only.

   a) Modify, install, compile and link the **modified** programs listed in the following table.

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DB2 Pre-Compile</th>
<th>Compile</th>
<th>Package Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPESTRP2</td>
<td>No</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPESTUTL</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

2. **Bind the following Plans.**

<table>
<thead>
<tr>
<th>Bind Plans</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP130</td>
<td></td>
</tr>
</tbody>
</table>

3. Execute and verify the rest of the test plan, per supplied instructions.

4. Perform any desired additional campus testing.

5. Place modified objects in production.

**Timing of Installation**
This release is Not Urgent. However, if this release is not installed for the Daily EDB Web/IVR Update Process, no batch run statistical information are displayed on the Daily Transaction Process Control Report (PPESSR2) for subsequent batches greater than 10.

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 Jackson.Quan@ucop.edu or call at (510) 987-0464.

Jackson Quan