Error Report 1576

Error Report 1576 reported a problem with PPP130 handling of error conditions in PPEDBUPD calls. Specifically, a negative SQL code in a fetch complex module did not cause the job to stop. The standard DB2 error box was written out, however message processing in PPP130 did not occur properly and the return code was not set, as it should have been, to a See Systems severity level.

DB2 Programs

PPP130

PPP130 makes several calls to PPEDBUPD. PPP130 has been modified so that when PPEDBUPD returns an error a message is issued and an abend flag is set. The abend flag, in turn, results in the job stopping with a See Systems severity level return code. (Note: the messages issued, 13-008 and 13-010, have a See Systems severity level in Base. If these have been modified locally, the resulting return code may differ).

Test Plan

To test the condition indicated by Error Report 1576, fetch complex modules, e.g. PPCMUTL and PPCMUTW, were recompiled without rebinding PPP130. Monthly Periodic processing was then performed. PPP130 ran to completion with a condition code 3. However, the recompiled fetch modules issued multiple DB2 error box messages and the related tables were not updated.

This same test was re-run using the release version of PPP130.
First PPP130 was bound to remove the previous bind error condition. PPPCMUTL was then recompiled without binding PPP130. PPP130 was run. It stopped with a return code of 9. See Systems message 13-008 was written to the PPP1302 Run Warnings and Termination report, and text ** PPEDBUPD CALL ERROR- FETCH ALL ** was displayed on the SYSOUT output. In addition, a DB2 rollback was performed as indicated by the text ** DB2 ROLLBACK PERFORMED ** displayed on the SYSOUT output.

PPP130 was bound to clear the PPPCMUTL error condition. Then PPPCMUTW was recompiled without binding PPP130. PPP130 was run. It stopped with a return code of 9. See Systems message 13-010 was written to the PPP1302 Run Warnings and Termination report, and text ** PPEDBUPD CALL ERROR- POST CHANGE ** was displayed on the SYSOUT output. In addition, a DB2 rollback was performed as indicated by the text ** DB2 ROLLBACK PERFORMED ** displayed on the SYSOUT output.

After binding PPP130 it ran to successful completion.

**Installation Instructions**

1. Perform the “prior” step of the test plan using the existing version of PPP130.
2. DB2 pre-compile, compile and link the release version of batch program PPP130. Bind the plan for PPP130.
3. Perform the “after” step of the test plan.
4. Perform any further local tests.
5. Install program PPP130 in production.
6. Bind the plan for PPP130.

**Timing of Installation**

The installation of this release is Urgent since an undetected failure of PPP130 processing can occur. To avoid this, this release should be installed as soon as possible.

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 Phil.Thompson@ucop.edu, or call at (510) 987-0468.

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