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Re: Release: 1222
Service Request: EFIX
Error Reports: 1599
Programs: None
DB2 Programs: PPEC053
CICS Programs: None
Copymembers: None
Include Members: None
DDL Members: None
Bind Members: None
CICS Maps: None
Forms: None
Table Updates: None
Urgency: Not Urgent (See Timing of Installation)

Error Report 1599

PPEC053 performs EDB File Maintenance consistency edits of distribution Full Accounting Units (FAU). PPEC053 calls below-the-line module PPFAU001, which in turn in the Base system calls PPINAFP to verify the validity of the FAU. Error Report 1599 reported a problem with the way PPEC053 handled VSAM error conditions returned by PPINAFP via PPFAU001.

When PPINAFP is passed a blank FAU, it causes a VSAM read error. PPFAU001 in turn sets a routine failure flag and passes back the VSAM error code. PPEC053 previously set a VSAM error flag that caused file maintenance to perform a soft abend.

The process has been modified to treat this specific VSAM error condition as an FAU not found. Messages are issued and an abend does not occur.

DB2 Programs

PPEC053

PPEC053 has been modified to interrogate the returned VSAM error codes for specific codes that are caused by the blank FAU condition, i.e. 57 and 58. PPEC053 now treats these errors as an FAU not found and issues message AU002 indicating an invalid FAU. This mimics code found in several other programs in the Payroll/Personnel System.
Test Plan

To test the condition indicated by Error Report 1599, UCOP performed a before and after test.

Note: In the Base system PPEC053 is only triggered by changes to the FAU. This means that adding a distribution, and simply not entering an FAU, will not trigger the abend since no "change" occurred. The test must involve explicit update of the FAU field(s).

Before installing the release version of PPEC053, perform the "before" test. Logon to an EDB Entry Update screen that allows maintenance against distributions. This example used the EAPP function. Update a distribution by blanking out the FAU, and press PF5 for update. A soft abend will occur, and the following message will be issued to the PMSG output of the online region.

************** ABEND MESSAGES BEGIN HERE **************
ABEND DATE: 12/08/98   ABEND TIME: 08:48:37   USER: PAYXXX
ABENDING FUNCTION IS EAPP. ABENDING PROGRAM IS PPAPPEUFE
************** ABEND MESSAGES END HERE **************

Install the release version of PPEC053, and perform the "after" test. This time the ECON screen will appear and several messages will be displayed relating to invalid FAU data. Use PF6 to view the various messages until you reach message AU002 that is now issued by PPEC053:

AU002 Warning LOCATION ACCOUNT FUND COMBINATION BLANK OR INVALID

A similar test can be performed in batch. The "before" test will result in a condition code 8 from PPP080 and the following message will be displayed in the PPP1001 report:

08-841 8-SEE OPERA VSAM OPEN/CLOSE ERROR

In the "after" test the AU002 message will be issued to the PPP1001 report.

Installation Instructions

1. DB2 pre-compile, compile and link dual use program PPEC053 into the batch LOADLIB.
2. DB2 pre-compile, compile and link dual use program PPEC053 into the online OLOADLIB.
3. Bind the plans for PPP080 and PPP120.
4. Bind the package for PPEC053.

Timing of Installation

The installation of this release is not urgent. However, attempting to blank a distribution FAU online can result in a soft abend, and can cause PPP080 to stop with a condition code 8 in batch. 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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