Release 1109
Service Request 13454
EDB Maintenance Rehire Edits
Service Request 14260
Retirement/FICA Derivation

INSTALLATION INSTRUCTIONS

Document Number INST

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Information Systems & Computing
Office of the President
University of California
Installation Instructions

This document provides installation instructions for this release. Review these instructions carefully before proceeding with installation.

DB2 Changes

1. The RC/Migrator strategy in ANALYSIS(R1109U) can be used to perform the DB2 changes, or the environments may be updated using the DDL members which were also provided. You should be aware that the strategies do not provide for local changes to referenced objects. If you do not wish to use the RC/Migrator strategy, skip this step and continue with Step 2.
   a. Modify strategy member R1109U by replacing “*AUTHID*” with the appropriate campus value. Replace “PPPHDB” and “PPPPCD” with the name of the databases to be updated.
   b. Use RC/Migrator to execute the strategies.
   c. Skip Steps 2 through 5, and continue with Step 6

2. Drop the following views
   a. PPPVBAS1_BAS
   b. PPPVZBAS_BAS
   c. PPPVSYS1_SYS
   d. PPPVZSYS_SYS

3. Execute the following DDL members to Alter the tables:
   a. TBBAS03A
      NOTE: a full TABLE CREATE has also been provided in member TBBAS00C
   b. TBSYS01A
      NOTE: a full TABLE CREATE has also been provided in member TBSYS00C

4. Modify the following DDL members by replacing “*AUTHID*” with the appropriate campus value.
   a. PPPVBAS1
   b. PPPVZBAS
   c. PPPVSYS1
   d. PPPVZSYS

5. Execute the following DDL members to create the views:
   a. PPPVBAS1 creates view PPPVBAS1_BAS
   b. PPPVZBAS creates view PPPVZBAS_BAS
   c. PPPVSYS1 creates view PPPVSYS1_SYS
d. PPPVZSYS creates view PPPVZSYS_SYS

6. Modify and install the following INCLUDE members:
   a. PPPVBAS1
   b. PPPVZBAS
   c. PPPVSYS1
   d. PPPVZSYS

CICS Map Generation

1. Install the modified CICS map listed in the following table.

1.1 Install the source code members listed in Table 1.

1.2. Use SDF II option 6 to generate the BMS macro and the COBOL data structure.

1.3. Assemble the BMS macro to produce the physical map description used by CICS/BMS.

<table>
<thead>
<tr>
<th>Map Name</th>
<th>DGIPNL Member</th>
<th>Installed?</th>
<th>Generated?</th>
<th>Assembled?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPHPER0</td>
<td>PPHPER0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PPIBA10</td>
<td>PPIBA10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PPUSYS0</td>
<td>PPUSYS0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Modified Maps

Copymember Installation

1. Install the modified Copylib members listed in the following table.

<table>
<thead>
<tr>
<th>Copylib Members</th>
<th>Installed?</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPLNKFIC</td>
<td></td>
</tr>
<tr>
<td>CPWSCOMS</td>
<td></td>
</tr>
<tr>
<td>CPWSRBAS</td>
<td></td>
</tr>
<tr>
<td>CPWSRSYS</td>
<td></td>
</tr>
</tbody>
</table>
Bind Member Installation

1. Install the new Bind member listed in the following table.

<table>
<thead>
<tr>
<th>Bind Members</th>
<th>Installed?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP745</td>
<td></td>
</tr>
</tbody>
</table>

New Bind Members

2. Install the one-time Bind members listed in the following table.

<table>
<thead>
<tr>
<th>Bind Members</th>
<th>Installed?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPO1109A</td>
<td></td>
</tr>
<tr>
<td>PPO1109B</td>
<td></td>
</tr>
<tr>
<td>PPO1109C</td>
<td></td>
</tr>
</tbody>
</table>

One-time Bind Members

Program Preparation

Note: 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 on-line 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.

1. Install, compile and link the modified programs listed in the following table.

<table>
<thead>
<tr>
<th>Program Name</th>
<th>DB2?</th>
<th>Compile</th>
<th>Package Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPBASFET</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPBASHST</td>
<td>No</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>
Modified Programs

<table>
<thead>
<tr>
<th>Program Name</th>
<th>DB2?</th>
<th>Compile</th>
<th>Package Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPBASUPD</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPEA002</td>
<td>Yes</td>
<td>Dual</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPEC138</td>
<td>Yes</td>
<td>Dual</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPEI205</td>
<td>Yes</td>
<td>Dual</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPEMPSTA</td>
<td>Yes</td>
<td>Dual</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPEM107</td>
<td>Yes</td>
<td>Dual</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPFICRET</td>
<td>Yes</td>
<td>Dual</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPPCDUTL</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPWHPER</td>
<td>Yes</td>
<td>CICS</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>PPWIBA1</td>
<td>Yes</td>
<td>CICS</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>PPWUHDE</td>
<td>Yes</td>
<td>CICS</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPWUSYS</td>
<td>Yes</td>
<td>CICS</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

2. Install, compile and link the new program listed in the following table.

<table>
<thead>
<tr>
<th>Program Name</th>
<th>DB2?</th>
<th>Compile</th>
<th>Package Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP745</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

New Programs

<table>
<thead>
<tr>
<th>Program Name</th>
<th>DB2?</th>
<th>Compile</th>
<th>Package Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPO1109A</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPO1109B</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPO1109C</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

One-time Programs

3. Install, compile and link the one-time programs listed in the following table.

<table>
<thead>
<tr>
<th>Program Name</th>
<th>DB2?</th>
<th>Compile</th>
<th>Package Bind?</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPO1109A</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPO1109B</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>PPO1109C</td>
<td>Yes</td>
<td>Batch</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

4. Compile and link the unmodified programs listed in the following table.

<table>
<thead>
<tr>
<th>Program Name</th>
<th>DB2?</th>
<th>Compile</th>
<th>Package</th>
<th>Done?</th>
</tr>
</thead>
</table>
## Plan Binds

Bind the Plans listed in the next table.

Note: PPWUHDE and PPWUSYS are online programs but they do not run under the UCROUTER architecture and have their own Plans.

<table>
<thead>
<tr>
<th>Plan Name</th>
<th>Done?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP741</td>
<td></td>
</tr>
</tbody>
</table>
CICS Help Data Update

1. Import the revised Help text for data element 0238 from data in HELPDDSE (Refer to sample JCL(LOADHELP)).

2. Import the revised Help anchor for the IBA1 screen from data in HELPANCH (Refer to sample JCL(LOADANCH)). The Personnel History screens, including the HPER screen, do not have Help text anchored for the individual detail screen fields, and therefore was not changed.

Testing

Perform installation verification testing as described in the separate Test Plan.

Install in Production

1. Install all the release objects in Production.

2. Run PPP010 to update the VSAM Data Element Table, Process group Table and System Messages Table. Use the release transactions in CARDLIB(DET1109) or key from the release UPAY553 form. Use the release transaction in CARDLIB(PGT1109) or key from the release UPAY803 form. Use the release transaction in CARDLIB(MSG1109) or key from the release UPAY554 form.
3. Run PPP851 to update the DB2 Data Element Table, Process Group Table and System Messages Table.

4. Run PPP006 to update the Code Translation Table. Use the release transactions in CARDLIB(CTT1109) or key from the release UPAY814 form.

5. Use the UHDE online function to add RET_FICA_DERIVE (DE 0238) to the History Data Element Table. See the Detail Design attachment for the UHDE screen for data values.

6. Use the USYS online function to add program PPP745 to the History System Table. See the Detail Design attachment for the USYS screen for data values.

7. Install the modified Help text and screen anchors in online Help files.

8. Create the Production JCL for one-time program PPO1109A. The test JCL(RUNOTA) or (RUNOTAU) can be used as a sample.

Set up the Run Specification Record. See the released Run Specification Layout UPAY660 form for PPPOA-SPEC.

There are three flags that control the selection of the possible report sort orders for each of two reports. For each report at least one sort order must be selected; all three can be selected. The job stops if there is an invalid value, or no sort is selected for either or both reports.

The only valid values for the UPDATE field are UPDATE or SPACES. The job stops if there is an invalid value.

If UPDATE is not coded, i.e. the field contains SPACES, then the reports will be created but the EDB will not be updated and the ECF will not be written. This mode can be used to test and report the potential impact of the update on production data. It is not required to run it in non-update mode.

If the UPDATE field is coded, then the reports will be written, the EDB will be updated directly and an EDB Change File will be written.

9. Create the Production JCL for one-time program PPO1109B. The test JCL(RUNOTB) or (RUNOTBU) can be used as a sample.

Set up the Run Specification Record. See the released Run Specification Layout UPAY660 form for PPPOB-SPEC.
There are three flags that control the selection of the possible report sort order. At least one sort order must be selected; all three can be selected. The job stops if there is an invalid value, or no sort is selected.

The only valid values for the UPDATE field are UPDATE or SPACES. The job stops if there is an invalid value.

If UPDATE is not coded, i.e. the field contains SPACES, then the reports will be created but the EDB will not be updated and the ECF will not be written. This mode can be used to test and report the potential impact of the update on production data. It is not required to run it in non-update mode.

If the UPDATE field is coded, then the reports will be written, the EDB will be updated directly and an EDB Change File will be written.

10. Create the Production JCL for one-time program PPO1109C. The test JCL(RUNOTC) can be used as a sample.

Set up the Run Specification Record. See the released Run Specification Layout UPAY660 form for PPPOC-SPEC.

There are two flags that control the selection of the possible report sort orders for each report. For each report at least one sort order must be selected; all three can be selected. The job stops if there is an invalid value, or no sort is selected for either or both reports.

11. Create the Production JCL for new program PPP745. The test JCL(RUN745) can be used as a sample.

File/distribute the new PPP745 Program Run Specification UPAY871 form, per local procedures.

Set up the Run Specification Record. There are two flags that control the selection of the possible report sort. At least one sort order must be selected; both can be selected. The job stops if there is an invalid value, or none of the values for the report is selected.

Determine the schedule for running PPP745 and to whom the reports should be distributed.

12. Run one-time program PPO1109A in non-update mode. Confirm the results before running PPO1109A in update mode.

13. Run one-time program PPO1109A in UPDATE mode. Run PPP742 with the ECF created to update the HDB.
14. Run one-time program PPO1109B in non-update mode. Confirm the results before running PPO1109B in update mode.

15. Run one-time program PPO1109B in UPDATE mode. Run PPP742 with the ECF created to update the HDB.

16. Run one-time program PPO1109C.

Obsolete

1. Follow local procedures for removing obsolete Bind members PPEA002 and PPEMPSTA.

2. Free the online Packages for PPEA002 and PPEMPSTA.