

**Release 1899**

**Error Reports 2223**

**2113**

**2108**

**PAN Error Report Fixes (MVS)**

## **Installation Instructions**

January 12, 2010  
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This document provides installation instructions for release 1899. Please review these instructions carefully before proceeding with the installation.

## 1. DB2 Installation

This portion of the installation creates and modifies DB2 objects.

**Special note: Changes to the UC0DIR table and its triggers were also included in the web new hire pilot release.** For campuses participating in the pilot program, if the changes to that table have already been made, they should be bypassed here. In this case, DDL approach should be used and not the migrator approach. All items related to the UC0DIR table have been marked with an asterisk.

If the changes are made as part of this release, then those steps in the pilot installation instructions should be bypassed.

### 1.1 Install the following **modified** DDL members

Replace \*AUTHID\* and database UC0PAN as necessary with appropriate campus values.

DDL Members	Database	Installed?
TBDIR00C*	UC0PAN	
TBPNA00C	UC0PAN	
TBPNX00C	UC0PAN	
UC0VZDIR*	UC0PAN	
UC0VZPNA	UC0PAN	
UC0VZPNX	UC0PAN	

### 1.2 Install the following **new** DDL members

Replace \*AUTHID\* and database UC0PAN as necessary with appropriate campus values.

DDL Members	Database	Installed?
IXDIR01C*	UC0PAN	
IXDIR02C*	UC0PAN	
PPOT1899	UC0PAN	
TBDIR01A*	UC0PAN	
TBPNA02A	UC0PAN	
TBPNX02A	UC0PAN	
TRDIR00C*	UC0PAN	
TRPNA00C	UC0PAN	
TRPNX00C	UC0PAN	

### 1.3 Modify DB2 objects

Choose either the **RC/Migrator** or **DDL** approach:

- **RC/Migrator approach**

RC/Migrator strategy ANALYSIS(R1899U) can be used to perform the DB2 changes. The strategies do not provide for local changes to referenced objects. **Note:** If you do not wish to use the RC/Migrator strategy, skip this step and continue with the next bullet point, "DDL Approach".

- Modify ANALYSIS(R1899U) by updating \*AUTHID\* and database ???PAN.
- Use RC/Migrator to execute the strategies.

• **DDL approach**

- Alter tables UC0DIR, UC0PNX and UC0PNA and associated views by executing the DDL member in the following order:

a) **Execute** the following new DDL:

- TBDIR01A \*
- TBPNA02A
- TBPNX02A

Note: an alternative is to drop tables UC0DIR, UC0PNX and UC0PNA and execute modified DDL members TBDIR00C, TBPNA00C and TBPNX00C to recreate the tables. If this is done, all Indexes and Views must be identified and recreated (and the Drop View in the next step can be skipped).

b) **Drop** the following views; (No DDL members have been provided for this):

- UC0VZDIR\_DIR \*
- UC0VZPNA\_PNA
- UC0VZPNX\_PNX

c) **Recreate** the following views by executing these DDL members:

- UC0VZDIR to re-create view UC0VZDIR\_DIR \*
- UC0VZPNA to re-create view UC0VZPNA\_PNA
- UC0VZPNX to re-create view UC0VZPNX\_PNX

d) Create triggers

- **Drop** obsolete triggers on the UC0DIR table UC0DIRIN and UC0DIRUP (No DDL members have been provided for this) \*
- **Create** new triggers by executing the following DDL members:
  - TRDIR00C \*
  - TRPNA00C
  - TRPNX00C

## 2. *Include Member Installation*

2.1 Install the following **modified** include members:

Include Members	Installed?
UC0VZDIR*	
UC0VZPNA	
UC0VZPNX	

### 3. *COBOL Program Preparation*

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.

The "SPAS" designation indicates that a module needs to be compiled and linked into the appropriate SPAS loadlib. If only "SPAS" is indicated in the Compile column, then the module is either a called procedure, or only called by a stored procedure. The SPAS package bind differs from that used for CICS dual-use binds. If the SPAS application is running, a STOP and START PROCEDURE is required to install the new version.

"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.

3.1 Install, compile, and link the following **modified** programs:

PROGRAM	DB2?	Compile Type	Package Bind?	Done?
UCDIRTR	Yes	SPAS	Yes	
UCSWP01	Yes	SPAS	Yes	
UCSWP03	Yes	SPAS	Yes	
UCSWP04	Yes	SPAS	Yes	
UCSWP05	Yes	SPAS	Yes	
UCWIDIR	Yes	CICS	Yes	

3.2 Compile and link the following **unmodified** programs:

PROGRAM	DB2?	Compile Type	Package Bind?	Done?
UCPANMGR	Yes	Dual-online only	Yes	

### 4. *One-Time Processing*

4.1 One-time DDL

Execute the one-time DDL member PPOT1899, replacing \*WEBID\* with the surrogate ID used for Web applications. The CURRENT SQLID must be set to the value of \*AUTHID\* of the authorization ID that will own the Web accessed objects. Once modified, execute the DDL member PPOT1899. This DDL will re-grant access to views and will populate the new upper-case tables.

### 5. *Obsolete Objects*

5.1 Obsolete DDL members

Follow local procedures for removing the obsolete DDL members below.

DDL	Done?
TRDII00C	
TRDIU00C	

5.2 Obsolete Triggers:

Follow local procedures for removing the triggers listed below.

<b>Trigger</b>	<b>Done?</b>
UCODIRIN	
UCODIRUP	

## **6. *Testing***

- 6.1 Perform installation verification testing as described in the Test Plan. In addition, perform any further local testing.

## **7. *Install in Production***

- 7.1 Place modified objects in production.