

Get Running with the IBM Db2 for i .NET Provider

Gen Db2 for i Stored Procedures and OO Wrapper Source using c#, IBM SQL PL and the MS .NET Framework

Go Set Row Filters Off And Refill Return

SQL SELECT Statement or Table Name (DB file) or Stored Procedure Name
select * from apctc1

SQL Command Option
Run Inline SQL

SP WHERE Clause Column Names Forming Unique Key (Required to Gen Several Complete SPs)(1 column name per line without delimiters or extra spaces)
VENDOR_CONTACT_ID

Primary File Audit (date and time etc.) Columns (and others) to Omit from Overlay Protection (one per line) (Optional)
ENTRY_AUDIT_COMPANY_NUMBER
ENTRY_AUDIT_DATE
ENTRY_AUDIT_TIME
ENTRY_AUDIT_WORKSTATION
ENTRY_AUDIT_USER_PROFILE
ENTRY_AUDIT_FPS_USER_CODE
ENTRY_AUDIT_FUNCTION

Row Filtering (via the GridView)

c# Wrapper Source Options

Connection Service Definition Object Name

Command Object Name
cmdDB2iSQL1

Transaction Object Name for Commit and Rollback (optional)
sqlcmdtxBoundaryName

Gen SP Input Parm Code - Add CCSID

Gen SP Input Parm Code - Default Value Option
Don't Specify

Cosmetics

Replace Column Heading Underlines with Blanks

Transform to Mixed Case in Column Headings

Error Message Delivery Option Interactive Email Both

Display Secondary Error Message and Stack Trace

Go Set Row Filters Off And Refill Return

-- Simple row counts from Results Gridview:

Row Count (retrieved from DB): = 5
Filtered Row Count: 5

| Logical Delete Flag | Name Of Vendor Contact | Vendor Contact Id | Title Of Vendor Contact | Vendor Contact Title Class 1 | Vendor Contact Title Class 2 | Vendor Contact Title Class 3 | Vendor Contact Title Class 4 | Ap Vendor Type | Vendor | Primary Contact | Opt Out From Auto Corresp |
|---------------------|------------------------|-------------------|-------------------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------|--------|-----------------|---------------------------|
| N | Donnell Curley | 1 | Advertising Manager | | | | | B | 149 | Y | N |
| N | Donald West | 2 | Agent | | | | | B | 137 | Y | N |
| N | Jonathon Gandermander | 3 | Graphic Designer | | | | | B | 152 | Y | N |
| N | Kelly Long | 4 | Office Manager | | | | | B | 154 | Y | N |
| N | Kathy Evans | 10 | Sales Rep | | | | | B | 103 | Y | N |

-- Simple row counts from Results Gridview:

Row Count (retrieved from DB): = 5
Filtered Row Count: 5

-- Simple SQL Columns List from Results Gridview (with SQL PL Syntax):

```
LOGICAL_DELETE_FLAG ,
NAME_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_ID ,
TITLE_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_TITLE_CLASS_1 ,
VENDOR_CONTACT_TITLE_CLASS_2 ,
VENDOR_CONTACT_TITLE_CLASS_3 ,
VENDOR_CONTACT_TITLE_CLASS_4 ,
AP_VENDOR_TYPE ,
VENDOR
```

-- Simple Primary File SQL Columns List (with SQL PL Syntax):

```
LOGICAL_DELETE_FLAG ,
NAME_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_ID ,
TITLE_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_TITLE_CLASS_1 ,
VENDOR_CONTACT_TITLE_CLASS_2 ,
VENDOR_CONTACT_TITLE_CLASS_3 ,
VENDOR_CONTACT_TITLE_CLASS_4 ,
AP_VENDOR_TYPE ,
VENDOR
```

```
// Simple Populate of Input Parameters in c# (Inz Manufactured Parm List 3):
// (fixed-length character columns are padded with blanks using code like this: new String(' ', x)
// just to show size of character data)
// (please note padding of this nature is not advised or required for Db2 for i SP(s))
```

```
cmdDB2iSQL1.Parameters["@LOGICAL_DELETE_FLAG"].Value = new String(' ', 1);
cmdDB2iSQL1.Parameters["@NAME_OF_VENDOR_CONTACT"].Value = new String(' ', 25);
cmdDB2iSQL1.Parameters["@VENDOR_CONTACT_ID"].Value = 0;
cmdDB2iSQL1.Parameters["@TITLE_OF_VENDOR_CONTACT"].Value = new String(' ', 30);
cmdDB2iSQL1.Parameters["@VENDOR_CONTACT_TITLE_CLASS_1"].Value = new String(' ', 5);
cmdDB2iSQL1.Parameters["@VENDOR_CONTACT_TITLE_CLASS_2"].Value = new String(' ', 5);
```

-- Simple SQL Columns List via Results Gridview:

```
LOGICAL_DELETE_FLAG ,
NAME_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_ID ,
TITLE_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_TITLE_CLASS_1 ,
VENDOR_CONTACT_TITLE_CLASS_2 ,
VENDOR_CONTACT_TITLE_CLASS_3 ,
VENDOR_CONTACT_TITLE_CLASS_4 ,
AP_VENDOR_TYPE ,
VENDOR
```

-- Complete Parms List from Primary File in SQL PL Syntax:

```
@PARAM_LOGICAL_DELETE_FLAG ,
@PARAM_NAME_OF_VENDOR_CONTACT ,
@PARAM_VENDOR_CONTACT_ID ,
@PARAM_TITLE_OF_VENDOR_CONTACT ,
@PARAM_VENDOR_CONTACT_TITLE_CLASS_1 ,
@PARAM_VENDOR_CONTACT_TITLE_CLASS_2 ,
@PARAM_VENDOR_CONTACT_TITLE_CLASS_3 ,
@PARAM_VENDOR_CONTACT_TITLE_CLASS_4 ,
@PARAM_AP_VENDOR_TYPE ,
@PARAM_VENDOR
```

-- SP Input Parameters with Definitions from Primary File:

```
IN @PARAM_LOGICAL_DELETE_FLAG CHAR(1) ,
IN @PARAM_NAME_OF_VENDOR_CONTACT CHAR(25) ,
IN @PARAM_VENDOR_CONTACT_ID DECIMAL(9,0) ,
IN @PARAM_TITLE_OF_VENDOR_CONTACT CHAR(30) ,
IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_1 CHAR(5) ,
IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_2 CHAR(5) ,
IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_3 CHAR(5) ,
IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_4 CHAR(5) ,
IN @PARAM_AP_VENDOR_TYPE CHAR(1) ,
IN @PARAM_VENDOR
```

-- Simple SQL PL SET Statements List via Results Gridview Headings:

```
LOGICAL_DELETE_FLAG = @PARAM_LOGICAL_DELETE_FLAG ,
NAME_OF_VENDOR_CONTACT = @PARAM_NAME_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_ID = @PARAM_VENDOR_CONTACT_ID ,
TITLE_OF_VENDOR_CONTACT = @PARAM_TITLE_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_TITLE_CLASS_1 = @PARAM_VENDOR_CONTACT_TITLE_CLASS_1 ,
VENDOR_CONTACT_TITLE_CLASS_2 = @PARAM_VENDOR_CONTACT_TITLE_CLASS_2 ,
VENDOR_CONTACT_TITLE_CLASS_3 = @PARAM_VENDOR_CONTACT_TITLE_CLASS_3 ,
VENDOR_CONTACT_TITLE_CLASS_4 = @PARAM_VENDOR_CONTACT_TITLE_CLASS_4 ,
AP_VENDOR_TYPE = @PARAM_AP_VENDOR_TYPE ,
VENDOR = @PARAM_VENDOR
```

// c# - SP Input Parameters populated based on System Column Names:

```
cmdDB2iSQL1.Parameters["LOGICAL_DELETE_FLAG"].Value = DLTFGL ,
cmdDB2iSQL1.Parameters["NAME_OF_VENDOR_CONTACT"].Value = KPCONT ,
cmdDB2iSQL1.Parameters["VENDOR_CONTACT_ID"].Value = KCSKY ,
cmdDB2iSQL1.Parameters["TITLE_OF_VENDOR_CONTACT"].Value = KCTITL ,
cmdDB2iSQL1.Parameters["VENDOR_CONTACT_TITLE_CLASS_1"].Value = KCTCLS ,
cmdDB2iSQL1.Parameters["VENDOR_CONTACT_TITLE_CLASS_2"].Value = KCTCL2 ,
cmdDB2iSQL1.Parameters["VENDOR_CONTACT_TITLE_CLASS_3"].Value = KCTCL3 ,
cmdDB2iSQL1.Parameters["VENDOR_CONTACT_TITLE_CLASS_4"].Value = KCTCL4 ,
cmdDB2iSQL1.Parameters["AP_VENDOR_TYPE"].Value = KCTYPE ,
cmdDB2iSQL1.Parameters["VENDOR_CONTACT_ID"].Value = VENDOR
```

-- Update Primary file SQL Column Names based on input parameters names (SP source code):

```
LOGICAL_DELETE_FLAG = @PARAM_LOGICAL_DELETE_FLAG ,
NAME_OF_VENDOR_CONTACT = @PARAM_NAME_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_ID = @PARAM_VENDOR_CONTACT_ID ,
TITLE_OF_VENDOR_CONTACT = @PARAM_TITLE_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_TITLE_CLASS_1 = @PARAM_VENDOR_CONTACT_TITLE_CLASS_1 ,
VENDOR_CONTACT_TITLE_CLASS_2 = @PARAM_VENDOR_CONTACT_TITLE_CLASS_2 ,
VENDOR_CONTACT_TITLE_CLASS_3 = @PARAM_VENDOR_CONTACT_TITLE_CLASS_3 ,
VENDOR_CONTACT_TITLE_CLASS_4 = @PARAM_VENDOR_CONTACT_TITLE_CLASS_4 ,
AP_VENDOR_TYPE = @PARAM_AP_VENDOR_TYPE ,
VENDOR = @PARAM_VENDOR
```

| Table Name | Column Name | Ordinal Position | Column Default | Is Nullable | Data Type | Ccsid | Character Maximum Length | Numeric Precision | Numeric Scale |
|------------|-------------------------------|------------------|----------------|-------------|-----------|-------|--------------------------|-------------------|---------------|
| APCTC1 | LOGICAL_DELETE_FLAG | 1 | '' | N | CHAR | 37 | 1 | | |
| APCTC1 | NAME_OF_VENDOR_CONTACT | 2 | '' | N | CHAR | 37 | 25 | | |
| APCTC1 | VENDOR_CONTACT_ID | 3 | 0 | N | DECIMAL | | | 9 | 0 |
| APCTC1 | TITLE_OF_VENDOR_CONTACT | 4 | '' | N | CHAR | 37 | 30 | | |
| APCTC1 | VENDOR_CONTACT_TITLE_CLASS_1 | 5 | '' | N | CHAR | 37 | 5 | | |
| APCTC1 | VENDOR_CONTACT_TITLE_CLASS_2 | 6 | '' | N | CHAR | 37 | 5 | | |
| APCTC1 | VENDOR_CONTACT_TITLE_CLASS_3 | 7 | '' | N | CHAR | 37 | 5 | | |
| APCTC1 | VENDOR_CONTACT_TITLE_CLASS_4 | 8 | '' | N | CHAR | 37 | 5 | | |
| APCTC1 | AP_VENDOR_TYPE | 9 | '' | N | CHAR | 37 | 1 | | |
| APCTC1 | VENDOR | 10 | 0 | N | DECIMAL | | | 7 | 0 |
| APCTC1 | PRIMARY_CONTACT | 11 | '' | N | CHAR | 37 | 1 | | |
| APCTC1 | OPT_OUT_FROM_AUTO_CORRESPOND | 12 | '' | N | CHAR | 37 | 1 | | |
| APCTC1 | CONSUMER_RELATIONSHIP_PRI_CTC | 13 | '' | N | CHAR | 37 | 2 | | |
| APCTC1 | PHONE_NUMBER | 14 | 0 | N | DECIMAL | | | 10 | 0 |
| APCTC1 | EXTENSION | 15 | 0 | N | DECIMAL | | | 5 | 0 |
| APCTC1 | TYPE_OF_ALT_PHONE_1 | 16 | '' | N | CHAR | 37 | 1 | | |
| APCTC1 | ALTERNATE_PHONE_FAX_NUMBER_1 | 17 | 0 | N | DECIMAL | | | 10 | 0 |
| APCTC1 | TYPE_OF_ALT_PHONE_2 | 18 | '' | N | CHAR | 37 | 1 | | |
| APCTC1 | ALTERNATE_PHONE_FAX_NUMBER_2 | 19 | 0 | N | DECIMAL | | | 10 | 0 |
| APCTC1 | TYPE_OF_ALT_PHONE_3 | 20 | '' | N | CHAR | 37 | 1 | | |
| APCTC1 | ALTERNATE_PHONE_FAX_NUMBER_3 | 21 | 0 | N | DECIMAL | | | 10 | 0 |
| APCTC1 | URL_OR_DOMAIN_NAME | 22 | '' | N | CHAR | 37 | 40 | | |
| APCTC1 | FIRST_NAME_OF_VENDOR_CONTACT | 23 | '' | N | CHAR | 37 | 15 | | |
| APCTC1 | LAST_NAME_OF_VENDOR_CONTACT | 24 | '' | N | CHAR | 37 | 15 | | |
| APCTC1 | FORMAL_ADDRESS_VENDOR_CONTACT | 25 | '' | N | CHAR | 37 | 5 | | |
| APCTC1 | GENDER | 26 | '' | N | CHAR | 37 | 1 | | |
| APCTC1 | PRINT_SELECT_FLAG_NI | 27 | '' | N | CHAR | 37 | 1 | | |
| APCTC1 | CONTACT_CREATION_USER | 28 | '' | N | CHAR | 37 | 10 | | |
| APCTC1 | CONTACT_CREATION_DATE | 29 | 0 | N | DECIMAL | | | 8 | 0 |
| APCTC1 | ENTRY_AUDIT_COMPANY_NUMBER | 30 | 0 | N | DECIMAL | | | 3 | 0 |
| APCTC1 | ENTRY_AUDIT_DATE | 31 | 0 | N | DECIMAL | | | 8 | 0 |
| APCTC1 | ENTRY_AUDIT_TIME | 32 | 0 | N | DECIMAL | | | 6 | 0 |
| APCTC1 | ENTRY_AUDIT_WORKSTATION | 33 | '' | N | CHAR | 37 | 10 | | |
| APCTC1 | ENTRY_AUDIT_USER_PROFILE | 34 | '' | N | CHAR | 37 | 10 | | |
| APCTC1 | ENTRY_AUDIT_FPS_USER_CODE | 35 | '' | N | CHAR | 37 | 10 | | |
| APCTC1 | ENTRY_AUDIT_FUNCTION | 36 | '' | N | CHAR | 37 | 1 | | |

-- INSERT Stored Procedure Source (basic but complete):

```
DROP SPECIFIC PROCEDURE APDATABAS4/APCTC1ROWADD ;
SET PATH *LIBL ;
CREATE PROCEDURE APDATABAS4/APCTC1ROWADD (
    IN @PARAM_LOGICAL_DELETE_FLAG CHAR(1) ,
    IN @PARAM_NAME_OF_VENDOR_CONTACT CHAR(25) ,
    IN @PARAM_VENDOR_CONTACT_ID DECIMAL(9,0) ,
    IN @PARAM_TITLE_OF_VENDOR_CONTACT CHAR(30) ,
    IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_1 CHAR(5) ,
    IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_2 CHAR(5) ,
    IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_3 CHAR(5) ,
    IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_4 CHAR(5) ,
    IN @PARAM_AP_VENDOR_TYPE CHAR(1) ,
    IN @PARAM_VENDOR
```

-- UPDATE Stored Procedure Source (basic but complete):

```
DROP SPECIFIC PROCEDURE APDATABAS4/APCTC1ROWUPDATE ;
SET PATH *LIBL ;
CREATE PROCEDURE APDATABAS4/APCTC1ROWUPDATE (
    IN @PARAM_LOGICAL_DELETE_FLAG CHAR(1) ,
    IN @PARAM_NAME_OF_VENDOR_CONTACT CHAR(25) ,
    IN @PARAM_VENDOR_CONTACT_ID DECIMAL(9,0) ,
    IN @PARAM_TITLE_OF_VENDOR_CONTACT CHAR(30) ,
    IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_1 CHAR(5) ,
    IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_2 CHAR(5) ,
    IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_3 CHAR(5) ,
    IN @PARAM_VENDOR_CONTACT_TITLE_CLASS_4 CHAR(5) ,
    IN @PARAM_AP_VENDOR_TYPE CHAR(1) ,
    IN @PARAM_VENDOR
```

-- SP Input Parameters for WHERE Clause Decimals:

```
IN @PARAMORIG_VENDOR_CONTACT_ID DECIMAL(9,0)
```

-- ROWREAD Stored Procedure Source (basic but complete):

```
DROP SPECIFIC PROCEDURE APDATABAS4/APCTC1ROWREAD ;
SET PATH *LIBL ;
CREATE PROCEDURE APDATABAS4/APCTC1ROWREAD (
    IN @PARAMORIG_VENDOR_CONTACT_ID DECIMAL(9,0)
)
DYNAMIC RESULT SETS 1
```

-- ROWLOCK Stored Procedure Source (basic but complete):

```
DROP SPECIFIC PROCEDURE APDATABAS4/APCTC1ROWLOCK ;
SET PATH *LIBL ;
CREATE PROCEDURE APDATABAS4/APCTC1ROWLOCK (
    IN @PARAMORIG_VENDOR_CONTACT_ID DECIMAL(9,0)
)
DYNAMIC RESULT SETS 1
```

-- ROWLIST Stored Procedure Source (basic but complete):

```
DROP SPECIFIC PROCEDURE APDATABAS4/APCTC1ROWLIST ;
SET PATH *LIBL ;
CREATE PROCEDURE APDATABAS4/APCTC1ROWLIST (
    IN @PARAMORIG_VENDOR_CONTACT_ID DECIMAL(9,0)
)
DYNAMIC RESULT SETS 1
```

-- Simple Primary File Concurrency SQL Columns List (with SQL PL Syntax):

```
LOGICAL_DELETE_FLAG ,
NAME_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_ID ,
TITLE_OF_VENDOR_CONTACT ,
VENDOR_CONTACT_TITLE_CLASS_1 ,
VENDOR_CONTACT_TITLE_CLASS_2 ,
VENDOR_CONTACT_TITLE_CLASS_3 ,
VENDOR_CONTACT_TITLE_CLASS_4 ,
AP_VENDOR_TYPE ,
VENDOR
```

-- ROWREADCONCURRENCYCOLUMNS Stored Procedure Source (basic but complete):

```
DROP SPECIFIC PROCEDURE APDATABAS4/APCTC1ROWREADCONCURRENCYCOLUMNS ;
SET PATH *LIBL ;
CREATE PROCEDURE APDATABAS4/APCTC1ROWREADCONCURRENCYCOLUMNS (
    IN @PARAMORIG_VENDOR_CONTACT_ID DECIMAL(9,0)
)
DYNAMIC RESULT SETS 1
```

-- ROWLOCKCONCURRENCYCOLUMNS Stored Procedure Source (basic but complete):

```
DROP SPECIFIC PROCEDURE APDATABAS4/APCTC1ROWLOCKCONCURRENCYCOLUMNS ;
SET PATH *LIBL ;
CREATE PROCEDURE APDATABAS4/APCTC1ROWLOCKCONCURRENCYCOLUMNS (
    IN @PARAMORIG_VENDOR_CONTACT_ID DECIMAL(9,0)
)
DYNAMIC RESULT SETS 1
```

-- SP Output Parameters from Results GridView Columns:

```
OUT @OUTPARAM_LOGICAL_DELETE_FLAG CHAR(1) ,
OUT @OUTPARAM_NAME_OF_VENDOR_CONTACT CHAR(25) ,
OUT @OUTPARAM_TITLE_OF_VENDOR_CONTACT CHAR(30) ,
OUT @OUTPARAM_VENDOR_CONTACT_TITLE_CLASS_1 CHAR(5) ,
OUT @OUTPARAM_VENDOR_CONTACT_TITLE_CLASS_2 CHAR(5) ,
OUT @OUTPARAM_VENDOR_CONTACT_TITLE_CLASS_3 CHAR(5) ,
OUT @OUTPARAM_VENDOR_CONTACT_TITLE_CLASS_4 CHAR(5) ,
OUT @OUTPARAM_AP_VENDOR_TYPE CHAR(1) ,
OUT @OUTPARAM_NAME_OF_VENDOR_CONTACT CHAR(25) ,
OUT @OUTPARAM_PRIMARY_CONTACT CHAR(1) ,
OUT @OUTPARAM_OPT_OUT_FROM_AUTO_CORRESPOND CHAR(1) ,
OUT @OUTPARAM_CONSUMER_RELATIONSHIP_PRI_CTC CHAR(2) ,
OUT @OUTPARAM_PHONE_NUMBER DECIMAL(10,0) ,
OUT @OUTPARAM_EXTENSION DECIMAL(5,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_1 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_1 DECIMAL(10,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_2 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_2 DECIMAL(10,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_3 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_3 DECIMAL(10,0) ,
OUT @OUTPARAM_URL_OR_DOMAIN_NAME CHAR(40) ,
OUT @OUTPARAM_FIRST_NAME_OF_VENDOR_CONTACT CHAR(15) ,
OUT @OUTPARAM_LAST_NAME_OF_VENDOR_CONTACT CHAR(15) ,
OUT @OUTPARAM_FORMAL_ADDRESS_VENDOR_CONTACT CHAR(5) ,
OUT @OUTPARAM_GENDER CHAR(1) ,
OUT @OUTPARAM_PRINT_SELECT_FLAG_NI CHAR(1) ,
OUT @OUTPARAM_CONTACT_CREATION_USER CHAR(10) ,
OUT @OUTPARAM_CONTACT_CREATION_DATE DECIMAL(8,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_COMPANY_NUMBER DECIMAL(3,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_DATE DECIMAL(8,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_TIME DECIMAL(6,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_WORKSTATION CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_USER_PROFILE CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_FPS_USER_CODE CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_FUNCTION CHAR(1) ,
OUT @OUTPARAM_VENDOR DECIMAL(7,0) ,
OUT @OUTPARAM_PRIMARY_CONTACT CHAR(1) ,
OUT @OUTPARAM_OPT_OUT_FROM_AUTO_CORRESPOND CHAR(1) ,
OUT @OUTPARAM_CONSUMER_RELATIONSHIP_PRI_CTC CHAR(2) ,
OUT @OUTPARAM_PHONE_NUMBER DECIMAL(10,0) ,
OUT @OUTPARAM_EXTENSION DECIMAL(5,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_1 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_1 DECIMAL(10,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_2 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_2 DECIMAL(10,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_3 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_3 DECIMAL(10,0) ,
OUT @OUTPARAM_URL_OR_DOMAIN_NAME CHAR(40) ,
OUT @OUTPARAM_FIRST_NAME_OF_VENDOR_CONTACT CHAR(15) ,
OUT @OUTPARAM_LAST_NAME_OF_VENDOR_CONTACT CHAR(15) ,
OUT @OUTPARAM_FORMAL_ADDRESS_VENDOR_CONTACT CHAR(5) ,
OUT @OUTPARAM_GENDER CHAR(1) ,
OUT @OUTPARAM_PRINT_SELECT_FLAG_NI CHAR(1) ,
OUT @OUTPARAM_CONTACT_CREATION_USER CHAR(10) ,
OUT @OUTPARAM_CONTACT_CREATION_DATE DECIMAL(8,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_COMPANY_NUMBER DECIMAL(3,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_DATE DECIMAL(8,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_TIME DECIMAL(6,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_WORKSTATION CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_USER_PROFILE CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_FPS_USER_CODE CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_FUNCTION CHAR(1) ,
OUT @OUTPARAM_VENDOR DECIMAL(7,0) ,
OUT @OUTPARAM_PRIMARY_CONTACT CHAR(1) ,
OUT @OUTPARAM_OPT_OUT_FROM_AUTO_CORRESPOND CHAR(1) ,
OUT @OUTPARAM_CONSUMER_RELATIONSHIP_PRI_CTC CHAR(2) ,
OUT @OUTPARAM_PHONE_NUMBER DECIMAL(10,0) ,
OUT @OUTPARAM_EXTENSION DECIMAL(5,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_1 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_1 DECIMAL(10,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_2 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_2 DECIMAL(10,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_3 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_3 DECIMAL(10,0) ,
OUT @OUTPARAM_URL_OR_DOMAIN_NAME CHAR(40) ,
OUT @OUTPARAM_FIRST_NAME_OF_VENDOR_CONTACT CHAR(15) ,
OUT @OUTPARAM_LAST_NAME_OF_VENDOR_CONTACT CHAR(15) ,
OUT @OUTPARAM_FORMAL_ADDRESS_VENDOR_CONTACT CHAR(5) ,
OUT @OUTPARAM_GENDER CHAR(1) ,
OUT @OUTPARAM_PRINT_SELECT_FLAG_NI CHAR(1) ,
OUT @OUTPARAM_CONTACT_CREATION_USER CHAR(10) ,
OUT @OUTPARAM_CONTACT_CREATION_DATE DECIMAL(8,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_COMPANY_NUMBER DECIMAL(3,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_DATE DECIMAL(8,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_TIME DECIMAL(6,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_WORKSTATION CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_USER_PROFILE CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_FPS_USER_CODE CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_FUNCTION CHAR(1) ,
OUT @OUTPARAM_VENDOR DECIMAL(7,0) ,
OUT @OUTPARAM_PRIMARY_CONTACT CHAR(1) ,
OUT @OUTPARAM_OPT_OUT_FROM_AUTO_CORRESPOND CHAR(1) ,
OUT @OUTPARAM_CONSUMER_RELATIONSHIP_PRI_CTC CHAR(2) ,
OUT @OUTPARAM_PHONE_NUMBER DECIMAL(10,0) ,
OUT @OUTPARAM_EXTENSION DECIMAL(5,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_1 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_1 DECIMAL(10,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_2 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_2 DECIMAL(10,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_3 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_3 DECIMAL(10,0) ,
OUT @OUTPARAM_URL_OR_DOMAIN_NAME CHAR(40) ,
OUT @OUTPARAM_FIRST_NAME_OF_VENDOR_CONTACT CHAR(15) ,
OUT @OUTPARAM_LAST_NAME_OF_VENDOR_CONTACT CHAR(15) ,
OUT @OUTPARAM_FORMAL_ADDRESS_VENDOR_CONTACT CHAR(5) ,
OUT @OUTPARAM_GENDER CHAR(1) ,
OUT @OUTPARAM_PRINT_SELECT_FLAG_NI CHAR(1) ,
OUT @OUTPARAM_CONTACT_CREATION_USER CHAR(10) ,
OUT @OUTPARAM_CONTACT_CREATION_DATE DECIMAL(8,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_COMPANY_NUMBER DECIMAL(3,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_DATE DECIMAL(8,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_TIME DECIMAL(6,0) ,
OUT @OUTPARAM_ENTRY_AUDIT_WORKSTATION CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_USER_PROFILE CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_FPS_USER_CODE CHAR(10) ,
OUT @OUTPARAM_ENTRY_AUDIT_FUNCTION CHAR(1) ,
OUT @OUTPARAM_VENDOR DECIMAL(7,0) ,
OUT @OUTPARAM_PRIMARY_CONTACT CHAR(1) ,
OUT @OUTPARAM_OPT_OUT_FROM_AUTO_CORRESPOND CHAR(1) ,
OUT @OUTPARAM_CONSUMER_RELATIONSHIP_PRI_CTC CHAR(2) ,
OUT @OUTPARAM_PHONE_NUMBER DECIMAL(10,0) ,
OUT @OUTPARAM_EXTENSION DECIMAL(5,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_1 CHAR(1) ,
OUT @OUTPARAM_ALTERNATE_PHONE_FAX_NUMBER_1 DECIMAL(10,0) ,
OUT @OUTPARAM_TYPE_OF_ALT_PHONE_2 CHAR(1) ,
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