**Katun Points Up Program Mod**

Katun’s Points Up Program is made up of a series of custom objects that support their current Apps 8 environment. The functionality requires changes to the baseline Create Invoice flow.

These changes have been accomplished via a combination of 1 modified core code file, 6 custom PL/SQL methods, 3 custom tables, and 2 custom sequences. The custom objects are currently spread across 3 different schemas: KATUNAPP (app owner), KTNA and KTNAPOS. The requirement is to recreate this functionality in build place so that it can be delivered to Katun’s new Cloud environment as a modification.

The custom functionality begins with additions to CUSTOMER\_ORDER\_FLOW\_API.Create\_Invoice\_\_\_. That core code modification and the subsequent downstream methods and their dependencies are described below.

KATUNAPP.CUSTOMER\_ORDER\_FLOW\_API.Create\_Invoice\_\_\_ has been modified to contain a custom variable and several calls to custom methods:

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KTNA.KTNA\_REWARDS\_PROG\_PKG.GET\_CUST\_IN\_PROG\_FLAG returns Y or N depending on CUSTOMER\_NO. This method depends on the following custom database object:

1. KTNAPOS.KPOS\_CUST\_PROG\_XREF\_TAB

KTNAPOS.KPOS\_CUST\_PROG\_XREF\_TAB contains the following columns:  
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AI-generated content may be incorrect.

If in\_cust\_prog = ‘Y’ (if the customer belongs to the points up program), then KTNA.KTNA\_REWARDS\_PROG\_PKG.UPD\_CHG\_LINE\_PRE\_INVOICING is called. This method depends on the following custom database objects:

1. KTNA.KTNA\_REWARDS\_PROG\_PKG.GET\_LINE\_AMOUNT\_BY\_QTY
2. KTNA.KTNA\_REWARDS
3. KTNA.KTNA\_ERRHNDL\_PKG.LOG\_OP\_EXTENDED\_ERROR
4. KTNA\_EM\_ERR\_SEQ

KTNA.KTNA\_REWARDS\_PROG\_PKG.GET\_LINE\_AMOUNT\_BY\_QTY depends on the following custom database objects:

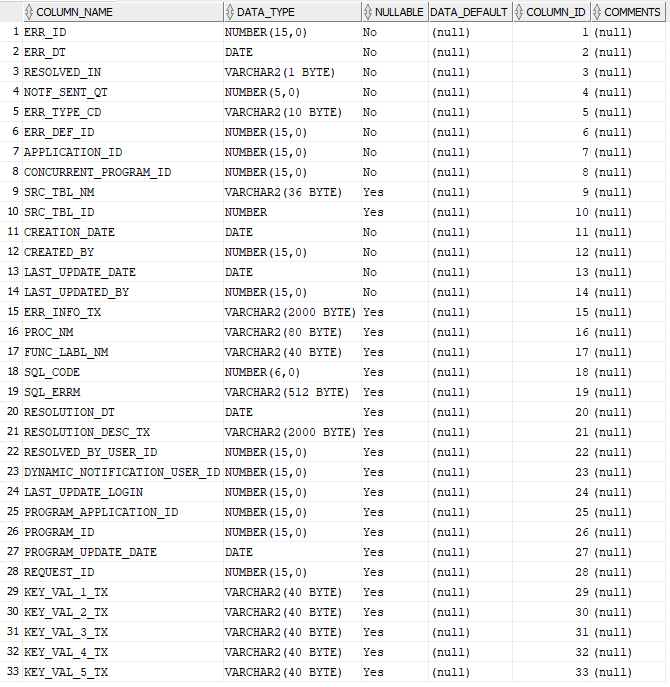
1. KTNA.KTNA\_ERRHNDL\_PKG.LOG\_OP\_EXTENDED\_ERROR

KTNA.KTNA REWARDS contains the following columns:  
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AI-generated content may be incorrect.

KTNA.KTNA\_ERRHNDL\_PKG.LOG\_OP\_EXTENDED\_ERROR depends on the following custom database objects:

1. KTNA.KTNA\_EM\_ERR
2. KTNA.KTNA\_EM\_ERR\_SEQ

KTNA.KTNA\_EM\_ERR is a custom table containing the following columns:  


After the above methods execute, then the original Create\_Invoice\_\_\_ code executes.

The final block of custom code potentially calls KTNA.KTNA\_REWARDS\_PROG\_PKG.CHANGE\_REWARD\_EARNINGS\_STATUS and KTNA.KTNA\_REWARDS\_PROG\_PKG.ADD\_CHG\_LINE\_POST\_INVOICE. These methods depend on the following custom database objects:

1. KTNA.KTNA\_REWARDS
2. KTNA.KTNA\_REWARD\_SEQ
3. KTNA.KTNA\_ERRHNDL\_PKG.LOG\_OP\_EXTENDED\_ERROR

The zip folder containing this spec also contains code files for the necessary database objects. Below is a summarized list of unique custom objects described in the spec:

1. CUSTOMER\_ORDER\_FLOW\_API.Create\_Invoice\_\_\_
2. KTNA\_REWARDS\_PROG\_PKG.GET\_CUST\_IN\_PROG\_FLAG
3. KTNAPOS.KPOS\_CUST\_PROG\_XREF\_TAB
4. KTNA.KTNA\_REWARDS\_PROG\_PKG.UPD\_CHG\_LINE\_PRE\_INVOICING
5. KTNA.KTNA\_REWARDS\_PROG\_PKG.GET\_LINE\_AMOUNT\_BY\_QTY
6. KTNA.KTNA\_REWARDS\_PROG\_PKG.CHANGE\_REWARD\_EARNINGS\_STATUS
7. KTNA.KTNA\_REWARDS\_PROG\_PKG.ADD\_CHG\_LINE\_POST\_INVOICE
8. KTNA.KTNA\_REWARDS
9. KTNA.KTNA\_REWARDS\_SEQ
10. KTNA.KTNA\_ERRHNDL\_PKG.LOG\_OP\_EXTENDED\_ERROR
11. KTNA.KTNA\_EM\_ERR
12. KTNA.KTNA\_EM\_ERR\_SEQ