**Introduction: *Need to Split Sales Order Line using script.***

**Why we need to do / Cause of the issue:*.***

Shipment is happening from third party system and if partial shipment is happening then sales order line should be split based on balance quantity and with shipped quantity line should get closed.

**How do we solve: *Created one script which will be used to spit the sales order line.***

DECLARE

 l\_header\_rec OE\_ORDER\_PUB.Header\_Rec\_Type;

 l\_line\_tbl OE\_ORDER\_PUB.Line\_Tbl\_Type;

 l\_action\_request\_tbl OE\_ORDER\_PUB.Request\_Tbl\_Type;

 l\_header\_adj\_tbl OE\_ORDER\_PUB.Header\_Adj\_Tbl\_Type;

 l\_line\_adj\_tbl OE\_ORDER\_PUB.line\_adj\_tbl\_Type;

 l\_header\_scr\_tbl OE\_ORDER\_PUB.Header\_Scredit\_Tbl\_Type;

 l\_line\_scredit\_tbl OE\_ORDER\_PUB.Line\_Scredit\_Tbl\_Type;

 l\_request\_rec OE\_ORDER\_PUB.Request\_Rec\_Type ;

 l\_return\_status VARCHAR2(1000);

 l\_msg\_count NUMBER;

 l\_msg\_data VARCHAR2(1000);

 p\_api\_version\_number NUMBER :=1.0;

 p\_init\_msg\_list VARCHAR2(10) := FND\_API.G\_FALSE;

 p\_return\_values VARCHAR2(10) := FND\_API.G\_FALSE;

 p\_action\_commit VARCHAR2(10) := FND\_API.G\_FALSE;

 x\_return\_status VARCHAR2(1);

 x\_msg\_count NUMBER;

 x\_msg\_data VARCHAR2(100);

 p\_header\_rec OE\_ORDER\_PUB.Header\_Rec\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_REC;

 p\_old\_header\_rec OE\_ORDER\_PUB.Header\_Rec\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_REC;

 p\_header\_val\_rec OE\_ORDER\_PUB.Header\_Val\_Rec\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_VAL\_REC;

 p\_old\_header\_val\_rec OE\_ORDER\_PUB.Header\_Val\_Rec\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_VAL\_REC;

 p\_Header\_Adj\_tbl OE\_ORDER\_PUB.Header\_Adj\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_ADJ\_TBL;

 p\_old\_Header\_Adj\_tbl OE\_ORDER\_PUB.Header\_Adj\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_ADJ\_TBL;

 p\_Header\_Adj\_val\_tbl OE\_ORDER\_PUB.Header\_Adj\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_ADJ\_VAL\_TBL;

 p\_old\_Header\_Adj\_val\_tbl OE\_ORDER\_PUB.Header\_Adj\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_ADJ\_VAL\_TBL;

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 p\_Header\_price\_Att\_tbl OE\_ORDER\_PUB.Header\_Price\_Att\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_PRICE\_ATT\_TBL;

 p\_old\_Header\_Price\_Att\_tbl OE\_ORDER\_PUB.Header\_Price\_Att\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_PRICE\_ATT\_TBL;

 p\_Header\_Adj\_Att\_tbl OE\_ORDER\_PUB.Header\_Adj\_Att\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_ADJ\_ATT\_TBL;

 p\_old\_Header\_Adj\_Att\_tbl OE\_ORDER\_PUB.Header\_Adj\_Att\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_ADJ\_ATT\_TBL;

 p\_Header\_Adj\_Assoc\_tbl OE\_ORDER\_PUB.Header\_Adj\_Assoc\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_ADJ\_ASSOC\_TBL;

 p\_old\_Header\_Adj\_Assoc\_tbl OE\_ORDER\_PUB.Header\_Adj\_Assoc\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_ADJ\_ASSOC\_TBL;

 p\_Header\_Scredit\_tbl OE\_ORDER\_PUB.Header\_Scredit\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_SCREDIT\_TBL;

 p\_old\_Header\_Scredit\_tbl OE\_ORDER\_PUB.Header\_Scredit\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_SCREDIT\_TBL;

 p\_Header\_Scredit\_val\_tbl OE\_ORDER\_PUB.Header\_Scredit\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_SCREDIT\_VAL\_TBL;

 p\_old\_Header\_Scredit\_val\_tbl OE\_ORDER\_PUB.Header\_Scredit\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_HEADER\_SCREDIT\_VAL\_TBL;

 p\_line\_tbl OE\_ORDER\_PUB.Line\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_TBL;

 p\_old\_line\_tbl OE\_ORDER\_PUB.Line\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_TBL;

 p\_line\_val\_tbl OE\_ORDER\_PUB.Line\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_VAL\_TBL;

 p\_old\_line\_val\_tbl OE\_ORDER\_PUB.Line\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_VAL\_TBL;

 p\_Line\_Adj\_tbl OE\_ORDER\_PUB.Line\_Adj\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_ADJ\_TBL;

 p\_old\_Line\_Adj\_tbl OE\_ORDER\_PUB.Line\_Adj\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_ADJ\_TBL;

 p\_Line\_Adj\_val\_tbl OE\_ORDER\_PUB.Line\_Adj\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_ADJ\_VAL\_TBL;

 p\_old\_Line\_Adj\_val\_tbl OE\_ORDER\_PUB.Line\_Adj\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_ADJ\_VAL\_TBL;

 p\_Line\_price\_Att\_tbl OE\_ORDER\_PUB.Line\_Price\_Att\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_PRICE\_ATT\_TBL;

 p\_old\_Line\_Price\_Att\_tbl OE\_ORDER\_PUB.Line\_Price\_Att\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_PRICE\_ATT\_TBL;

 p\_Line\_Adj\_Att\_tbl OE\_ORDER\_PUB.Line\_Adj\_Att\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_ADJ\_ATT\_TBL;

 p\_old\_Line\_Adj\_Att\_tbl OE\_ORDER\_PUB.Line\_Adj\_Att\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_ADJ\_ATT\_TBL;

 p\_Line\_Adj\_Assoc\_tbl OE\_ORDER\_PUB.Line\_Adj\_Assoc\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_ADJ\_ASSOC\_TBL;

 p\_old\_Line\_Adj\_Assoc\_tbl OE\_ORDER\_PUB.Line\_Adj\_Assoc\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_ADJ\_ASSOC\_TBL;

 p\_Line\_Scredit\_tbl OE\_ORDER\_PUB.Line\_Scredit\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_SCREDIT\_TBL;

 p\_old\_Line\_Scredit\_tbl OE\_ORDER\_PUB.Line\_Scredit\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_SCREDIT\_TBL;

 p\_Line\_Scredit\_val\_tbl OE\_ORDER\_PUB.Line\_Scredit\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_SCREDIT\_VAL\_TBL;

 p\_old\_Line\_Scredit\_val\_tbl OE\_ORDER\_PUB.Line\_Scredit\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LINE\_SCREDIT\_VAL\_TBL;

 p\_Lot\_Serial\_tbl OE\_ORDER\_PUB.Lot\_Serial\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LOT\_SERIAL\_TBL;

 p\_old\_Lot\_Serial\_tbl OE\_ORDER\_PUB.Lot\_Serial\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LOT\_SERIAL\_TBL;

 p\_Lot\_Serial\_val\_tbl OE\_ORDER\_PUB.Lot\_Serial\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LOT\_SERIAL\_VAL\_TBL;

 p\_old\_Lot\_Serial\_val\_tbl OE\_ORDER\_PUB.Lot\_Serial\_Val\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_LOT\_SERIAL\_VAL\_TBL;

 p\_action\_request\_tbl OE\_ORDER\_PUB.Request\_Tbl\_Type := OE\_ORDER\_PUB.G\_MISS\_REQUEST\_TBL;

 x\_header\_val\_rec OE\_ORDER\_PUB.Header\_Val\_Rec\_Type;

 x\_Header\_Adj\_tbl OE\_ORDER\_PUB.Header\_Adj\_Tbl\_Type;

 x\_Header\_Adj\_val\_tbl OE\_ORDER\_PUB.Header\_Adj\_Val\_Tbl\_Type;

 x\_Header\_price\_Att\_tbl OE\_ORDER\_PUB.Header\_Price\_Att\_Tbl\_Type;

 x\_Header\_Adj\_Att\_tbl OE\_ORDER\_PUB.Header\_Adj\_Att\_Tbl\_Type;

 x\_Header\_Adj\_Assoc\_tbl OE\_ORDER\_PUB.Header\_Adj\_Assoc\_Tbl\_Type;

 x\_Header\_Scredit\_tbl OE\_ORDER\_PUB.Header\_Scredit\_Tbl\_Type;

 x\_Header\_Scredit\_val\_tbl OE\_ORDER\_PUB.Header\_Scredit\_Val\_Tbl\_Type;

 x\_line\_val\_tbl OE\_ORDER\_PUB.Line\_Val\_Tbl\_Type;

 x\_Line\_Adj\_tbl OE\_ORDER\_PUB.Line\_Adj\_Tbl\_Type;

 x\_Line\_Adj\_val\_tbl OE\_ORDER\_PUB.Line\_Adj\_Val\_Tbl\_Type;

 x\_Line\_price\_Att\_tbl OE\_ORDER\_PUB.Line\_Price\_Att\_Tbl\_Type;

 x\_Line\_Adj\_Att\_tbl OE\_ORDER\_PUB.Line\_Adj\_Att\_Tbl\_Type;

 x\_Line\_Adj\_Assoc\_tbl OE\_ORDER\_PUB.Line\_Adj\_Assoc\_Tbl\_Type;

 x\_Line\_Scredit\_tbl OE\_ORDER\_PUB.Line\_Scredit\_Tbl\_Type;

 x\_Line\_Scredit\_val\_tbl OE\_ORDER\_PUB.Line\_Scredit\_Val\_Tbl\_Type;

 x\_Lot\_Serial\_tbl OE\_ORDER\_PUB.Lot\_Serial\_Tbl\_Type;

 x\_Lot\_Serial\_val\_tbl OE\_ORDER\_PUB.Lot\_Serial\_Val\_Tbl\_Type;

 x\_action\_request\_tbl OE\_ORDER\_PUB.Request\_Tbl\_Type;

 X\_DEBUG\_FILE VARCHAR2(100);

 l\_line\_tbl\_index NUMBER;

 l\_msg\_index\_out NUMBER(10);

BEGIN

 dbms\_output.enable(1000000);

 fnd\_global.apps\_initialize(13833,204,204); -- pass in user\_id, responsibility\_id, and application\_id

 oe\_msg\_pub.initialize;

 oe\_debug\_pub.initialize;

 X\_DEBUG\_FILE := OE\_DEBUG\_PUB.Set\_Debug\_Mode('FILE');

 oe\_debug\_pub.SetDebugLevel(5); -- Use 5 for the most debuging output, I warn you its a lot of data

 dbms\_output.put\_line('START OF NEW DEBUG');

--This is to UPDATE order line

 l\_line\_tbl\_index :=1;

-- Changed attributes

 l\_header\_rec := OE\_ORDER\_PUB.G\_MISS\_HEADER\_REC;

 l\_header\_rec.header\_id := 3534535; -- header\_id of the order

 l\_header\_rec.operation := OE\_GLOBALS.G\_OPR\_UPDATE;

 l\_line\_tbl(l\_line\_tbl\_index) := OE\_ORDER\_PUB.G\_MISS\_LINE\_REC;

 l\_line\_tbl(l\_line\_tbl\_index).operation := OE\_GLOBALS.G\_OPR\_UPDATE;

 l\_line\_tbl(l\_line\_tbl\_index).split\_by := 13833; -- user\_id

 l\_line\_tbl(l\_line\_tbl\_index).split\_action\_code := 'SPLIT';

 l\_line\_tbl(l\_line\_tbl\_index).header\_id := 3534535; -- header\_id of the order

 l\_line\_tbl(l\_line\_tbl\_index).line\_id := 58236678; -- line\_id of the order line

 l\_line\_tbl(l\_line\_tbl\_index).ordered\_quantity := 3; -- new ordered quantity

 l\_line\_tbl(l\_line\_tbl\_index).change\_reason := 'MISC'; -- change reason code

 l\_line\_tbl\_index :=2;

 l\_line\_tbl(l\_line\_tbl\_index ) := OE\_ORDER\_PUB.G\_MISS\_LINE\_REC;

 l\_line\_tbl(l\_line\_tbl\_index ).operation := OE\_GLOBALS.G\_OPR\_CREATE;

 l\_line\_tbl(l\_line\_tbl\_index ).split\_by := 13833; -- user\_id

 l\_line\_tbl(l\_line\_tbl\_index ).split\_action\_code := 'SPLIT';

 l\_line\_tbl(l\_line\_tbl\_index ).split\_from\_line\_id := 58236678; -- line\_id of original line

 l\_line\_tbl(l\_line\_tbl\_index ).inventory\_item\_id := TTRETER; -- inventory item id

 l\_line\_tbl(l\_line\_tbl\_index ).ordered\_quantity := 5; -- ordered quantity

-- CALL TO PROCESS ORDER

 OE\_ORDER\_PUB.process\_order (

 p\_api\_version\_number => 1.0

 , p\_init\_msg\_list => fnd\_api.g\_false

 , p\_return\_values => fnd\_api.g\_false

 , p\_action\_commit => fnd\_api.g\_false

 , x\_return\_status => l\_return\_status

 , x\_msg\_count => l\_msg\_count

 , x\_msg\_data => l\_msg\_data

 , p\_header\_rec => l\_header\_rec

 , p\_line\_tbl => l\_line\_tbl

 , p\_action\_request\_tbl => l\_action\_request\_tbl

-- OUT PARAMETERS

 , x\_header\_rec => l\_header\_rec

 , x\_header\_val\_rec => x\_header\_val\_rec

 , x\_Header\_Adj\_tbl => x\_Header\_Adj\_tbl

 , x\_Header\_Adj\_val\_tbl => x\_Header\_Adj\_val\_tbl

 , x\_Header\_price\_Att\_tbl => x\_Header\_price\_Att\_tbl

 , x\_Header\_Adj\_Att\_tbl => x\_Header\_Adj\_Att\_tbl

 , x\_Header\_Adj\_Assoc\_tbl => x\_Header\_Adj\_Assoc\_tbl

 , x\_Header\_Scredit\_tbl => x\_Header\_Scredit\_tbl

 , x\_Header\_Scredit\_val\_tbl => x\_Header\_Scredit\_val\_tbl

 , x\_line\_tbl => l\_line\_tbl

 , x\_line\_val\_tbl => x\_line\_val\_tbl

 , x\_Line\_Adj\_tbl => x\_Line\_Adj\_tbl

 , x\_Line\_Adj\_val\_tbl => x\_Line\_Adj\_val\_tbl

 , x\_Line\_price\_Att\_tbl => x\_Line\_price\_Att\_tbl

 , x\_Line\_Adj\_Att\_tbl => x\_Line\_Adj\_Att\_tbl

 , x\_Line\_Adj\_Assoc\_tbl => x\_Line\_Adj\_Assoc\_tbl

 , x\_Line\_Scredit\_tbl => x\_Line\_Scredit\_tbl

 , x\_Line\_Scredit\_val\_tbl => x\_Line\_Scredit\_val\_tbl

 , x\_Lot\_Serial\_tbl => x\_Lot\_Serial\_tbl

 , x\_Lot\_Serial\_val\_tbl => x\_Lot\_Serial\_val\_tbl

 , x\_action\_request\_tbl => l\_action\_request\_tbl

 );

 dbms\_output.put\_line('OM Debug file: ' ||oe\_debug\_pub.G\_DIR||'/'||oe\_debug\_pub.G\_FILE);

--

 FOR i IN 1 .. l\_msg\_count

 LOOP

 Oe\_Msg\_Pub.get( p\_msg\_index => i

 , p\_encoded => Fnd\_Api.G\_FALSE

 , p\_data => l\_msg\_data

 , p\_msg\_index\_out => l\_msg\_index\_out);

 DBMS\_OUTPUT.PUT\_LINE('message is: ' || l\_msg\_data);

 DBMS\_OUTPUT.PUT\_LINE('message index is: ' || l\_msg\_index\_out);

 END LOOP;

--

 IF l\_return\_status = FND\_API.G\_RET\_STS\_SUCCESS

 THEN

 dbms\_output.put\_line('Line Quantity Update Sucessful');

 ELSE

 dbms\_output.put\_line('Line Quantity update Failed');

 END IF;

END;

/

Commit;

**Conclusion: *Created concurrent program which takes sales order number line number and ship quantity and line gets split.***