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| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | [Kiryl Bucha](mailto:Kiryl_Bucha@epam.com) | 12-JAN-2012 |  |  |
| 2.0 | Updated in accordance with renewed content | [Elias Nema](mailto:Elias_Nema@epam.com) | 20-JAN-2014 |  |  |
| 3.0 | Report on task | Mikita Tur | 10-DEC-2017 |  |  |

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# Create package to load the Fact Table from the staging (BL\_3NF) to BL\_DM (star) layer

The Main Task is to create independent package[s] to load your fact table from BL\_3NF to BL\_DM layer, according to your DWH concept that was developed on Module 6 Introduction to DWH.

# Task Results

Create required objects:

* Create all required fact table objects on BL\_DM Layer (FCT\_...).
* Grant all required privileges to BL\_CL (Cleansing Layer).
* Create packages to load fact data (one package = one fact table) on BL\_CL.
* Prepare document with description of your load and screenshot of data in the Fact Table.
* Test Procedure for Repeatable execution (it should produce same consistent results each time on a same source data).

Script to load fact table:

PROCEDURE load\_fct\_salesorder

IS

BEGIN

FOR order IN (

SELECT

cls.order\_id as salesorder\_id,

d.date\_id as event\_dt,

p.prod\_surr\_id,

s.sup\_surr\_id,

pa.paymnet\_id,

c.cust\_id,

quantity,

sales\_amount

FROM

cls2\_salesorder cls

JOIN bl\_dm.dim\_date d ON cls.order\_date = d.date\_id

JOIN bl\_dm.dim\_customer c ON cls.cust\_id = c.cust\_id

JOIN bl\_dm.dim\_product\_scd p ON cls.prod\_id = p.product\_srcid

JOIN bl\_dm.dim\_supplier\_scd s ON

cls.sup\_code = s.supplier\_srcid

JOIN bl\_dm.dim\_payment pa ON cls.payment\_id=pa.payment\_id

) LOOP

INSERT INTO bl\_dm.fct\_salesorder

VALUES (

order.salesorder\_id,

order.event\_dt,

order.prod\_surr\_id,

order.sup\_surr\_id,

order.payment\_id,

order.cust\_id,

order.quantity,

order.sales\_amount,

SYSDATE,

SYSDATE

);

END LOOP;

COMMIT;

dbms\_output.put\_line('The data in the table FCT\_SALESORDER is loaded successfully!');

EXCEPTION

WHEN OTHERS THEN

RAISE;

END load\_fct\_salesorder;

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

