

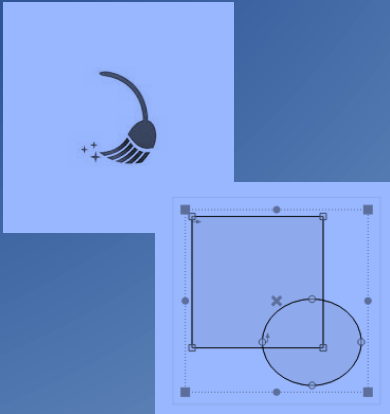
HFBI – WS2 – DATA CLEANING, TRANSFORMING, POPULATING

4.8.2021



PREPARING THE DATA FOR BI

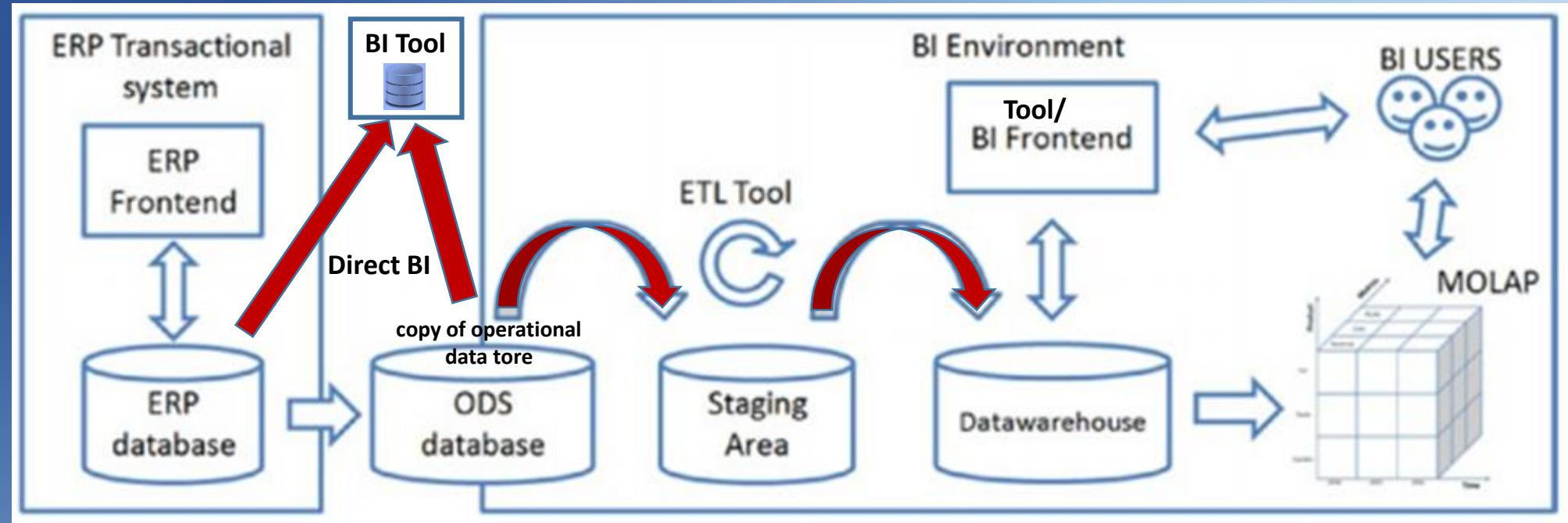
DATA IN THE ERP OPERATIONAL DATA STORES IS OFTEN UNSUITABLE FOR BI



- ***DUPLICATES -> REMOVE**
- ***ERRONEOUS VALUES -> CORRECT**
- ***UNSUITABLE VALUES -> REPLACE**
- ***UNNECESSARY VALUES OR COLUMNS -> REMOVE**
- ***MISSING DATA -> APPEND, INSERT, CALCULATE, SPLIT, MERGE**
- ***DETAILED AND UNORGANIZED DATA -> GROUP, AGGREGATE**
- ***UNSUITABLY ORGANIZED DATA -> PIVOT (rows into columns) ,
UNPIVOT (columns into rows)**
- ***WRONG DATA TYPE -> CHANGE**

POPULATING THE BI DATA STORES

ETL (EXTRACT-TRANSFORM-LOAD) – AN ADVANCED VIEW!



CLEANING AND TRANSFORMATIONS CAN BE INBUILT INTO THE ETL OPERATIONS