

# What is Indyco Builder

Indyco Builder is a commercial software from Iconsulting

- Supports the conceptual design of a DW
- Provides DFM validation functionalities and evaluation metrics
- Provides a web GUI for DW exploration
- Automatically generates the logical model (not supported by edu license)
- Reverse-engineering (not supported by edu license)

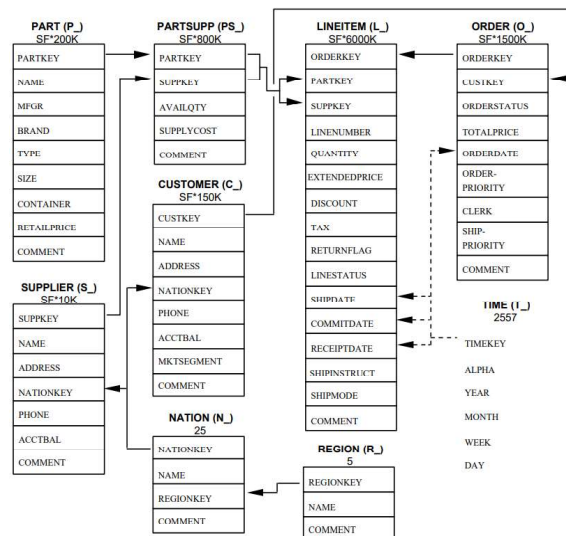
(DEMO)

# What we are going to do

Define the conceptual (DFM) and logical models

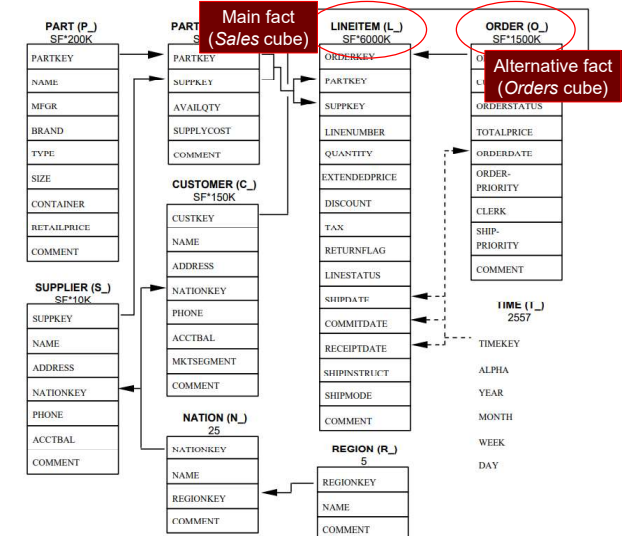
## Case study: TPC-D

- The parentheses following each table name contain the prefix of the column names for that table
- The arrows point in the direction of the one-to-many relationships between tables
- Dashed lines represent optional tables and relationships
- The number/formula below each table name represents the cardinality of the table

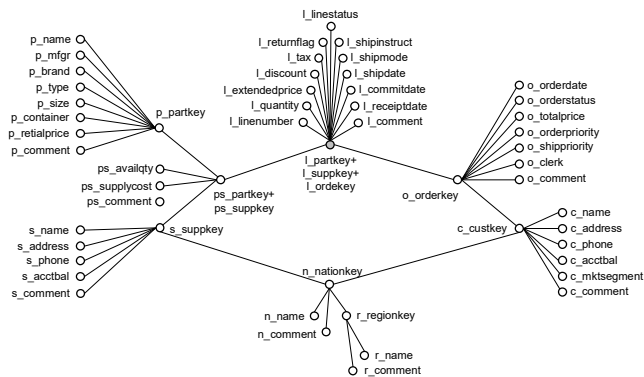


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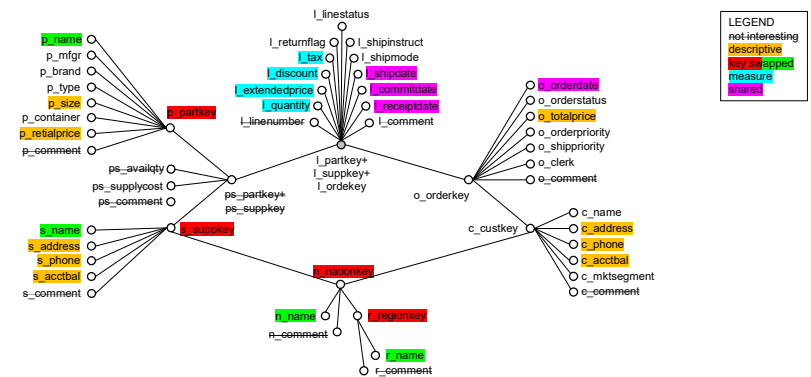
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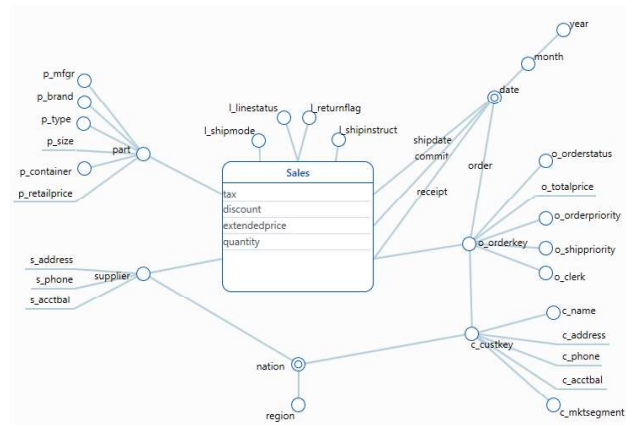
## Attribute tree (Sales)



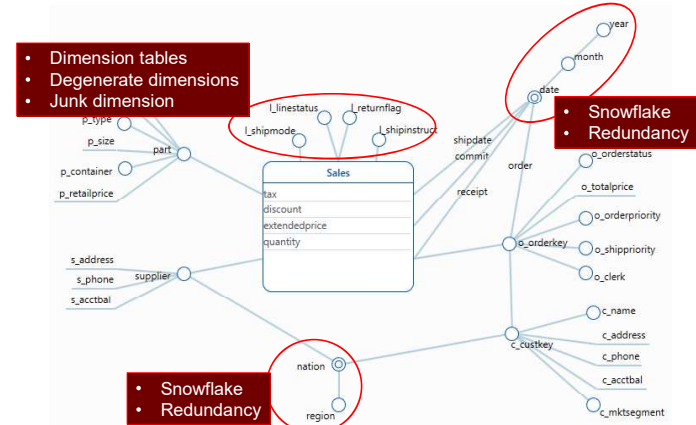
## Attribute tree (Sales)



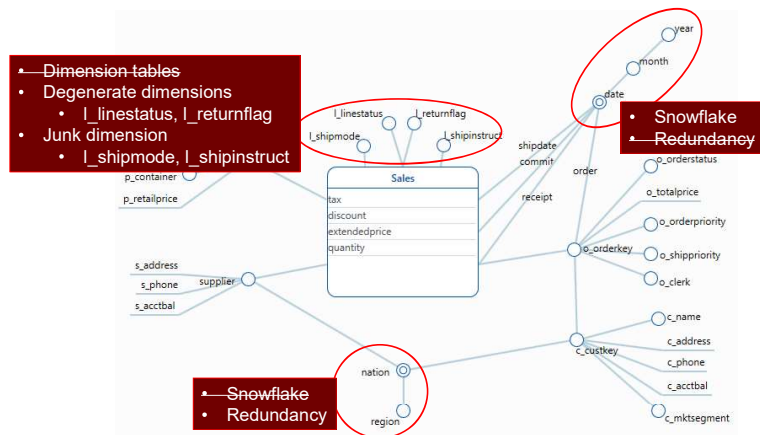
## Conceptual design (Sales)



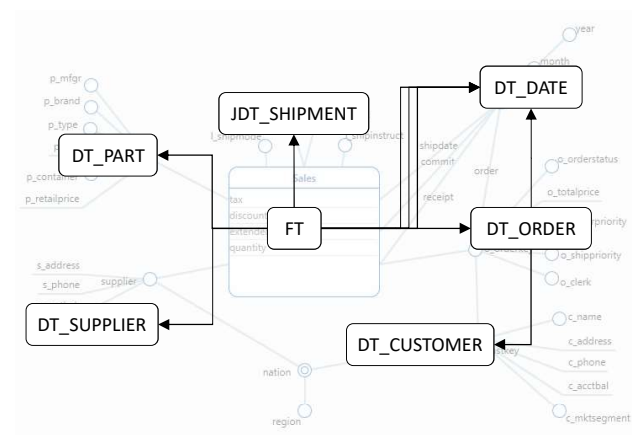
## Logical design (Sales)



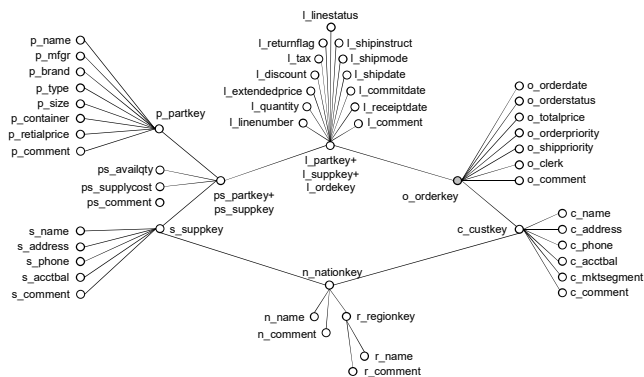
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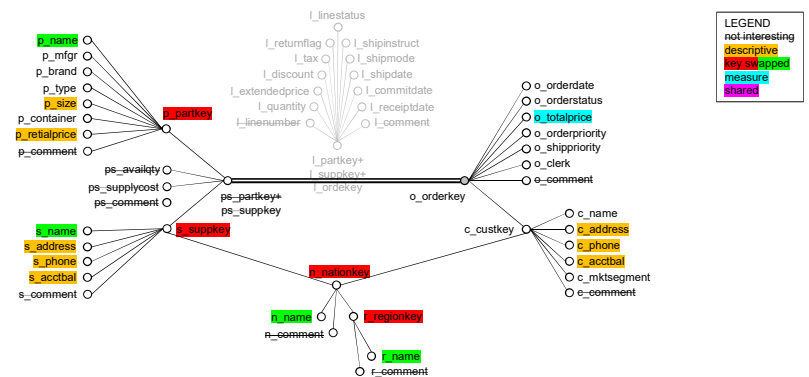
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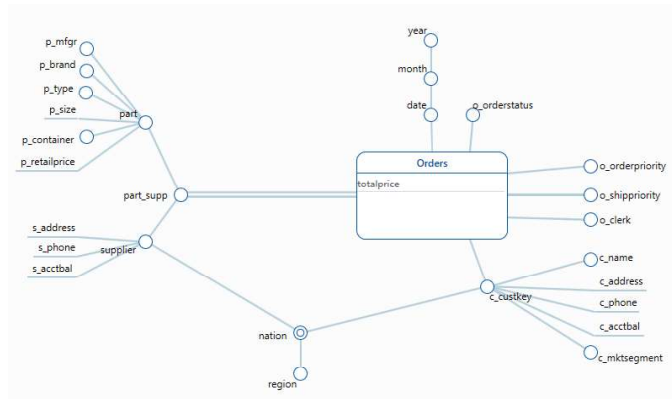
# The attribute tree (Orders)



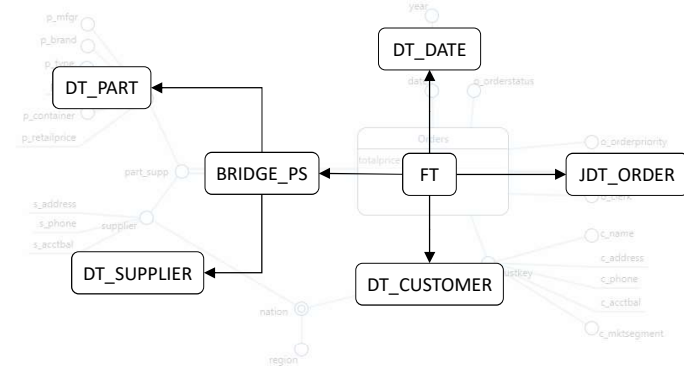
# The attribute tree (Orders)



## Conceptual design (Orders)



## Logical design (Orders)



## Physical design

Tables have already been created for everyone

DDL scripts available in Virtuale (*ddl\_sales.sql* and *ddl\_orders.sql*)

- No DDL necessary for the exam