



DISCON Specialists

EA Enabling Recipe

Change in Business System Requirement

Reason For Existence

There is no profitable organisation that can keep on doing business in the way they always have. All businesses must have a continuously evolving business to keep in line with the market needs and to keep on making a profit. The changes that need to be made, should be made in a short period of time, to ensure that the business stays ahead of its competitors.

When a change is required in the business, it will normally have an impact on the information requirement. The correct information must be available at the correct time to make the correct business decisions. Through using an Information System Repository, the effect of the change can be determined much quicker and more accurately. Additional functionality can be added to the repository to automate change and to reflect the changes to the information systems. The changes to the information systems can be dynamic or done through batch processing.

The ideal starting point to make changes to the data models of a system, would be to start at the logical data models. The changes will then reflect through to the other models.

A recipe will now be described to perform any changes in business requirements through the use of data models.

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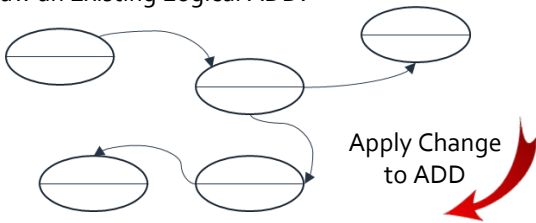
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1.) Attribute Dependency Diagram (ADD)

Draw an Existing Logical ADD.

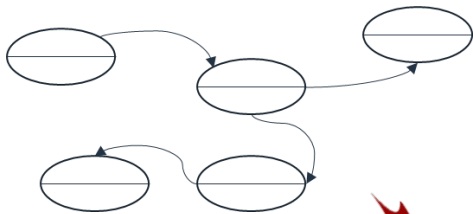


Influence on Data

1.) Business System Change



2.) Attribute Dependency Diagram (ADD) <New>

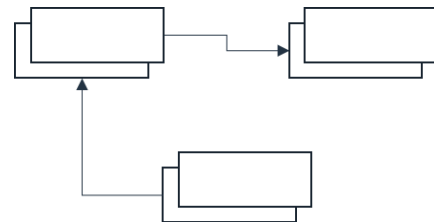


Change / Create new **Logical DSD**,
apply Synthesis Algorithm.

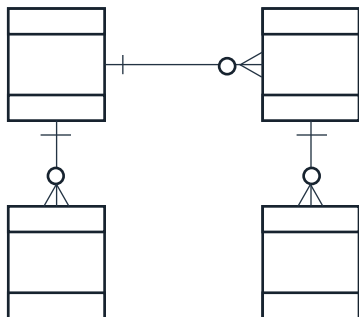
Business System Change

3.) Sub-schema Interdependency Diagram (SID)

Adjust SID

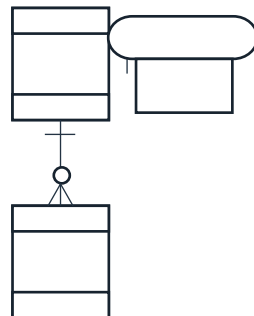


4.) Data Structure Diagram (DSD)



5.) DSD < Physical >

Change /
Design Physical
Data



Take Platform into
account for Physical
Design

Environment / Platform

