Ensemble Logical Modeling

ELM PRIMER

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About Ensemble Logical Modeling

Enterprise Integration Platforms, such as the Enterprise Data Warehouse, store integrated data in a common database. The features of this common target schema typically include: a) enterprise-wide scope, b) auditable data, c) data sourced from several source systems, d) a conformed, common view of the enterprise data, e) be flexible enough to accommodate perpetual change, and also most commonly f) persisted/historized data.

Modeling the Enterprise Data Model

Since source systems are based on functional or departmental data models, no source systems can speak to the common model for the enterprise. For this reason, the Enterprise Data Model that determines how data will be integrated, must be based on a common model with an enterprise-wide scope. The design of this model can only come from the business (versus technical) representatives of the organization.

Ensemble Logical Model (ELM)

The Ensemble Logical Model is an enterprise business model that is capable of capturing the enterprise-wide, integrated, agile, business model requirements. The ELM model is created by the business representatives of the organization through interactive modeling workshops. These are facilitated Ensemble Logical Modeling sessions.

The ELM Workshop

The ELM workshop is an interactive, facilitated, business-driven design session. It depends on the active participation of all attending business representatives.

During the workshop, participants work together on identifying the Core Business Concepts (CBCs) of the organization and the Natural Business Relationships (NBRs) that associate the concepts.

This is not a technical session; no computers, only people, white boards & Post-it notes involved.

Running the ELM Workshop

Analyze

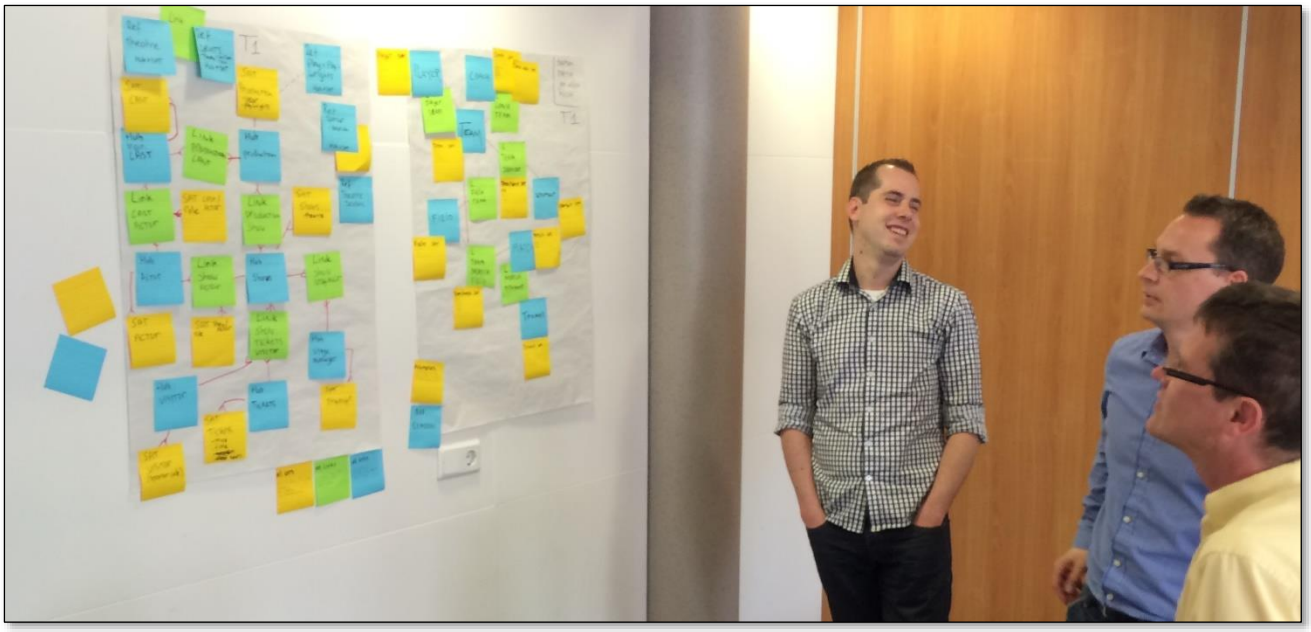
Discuss

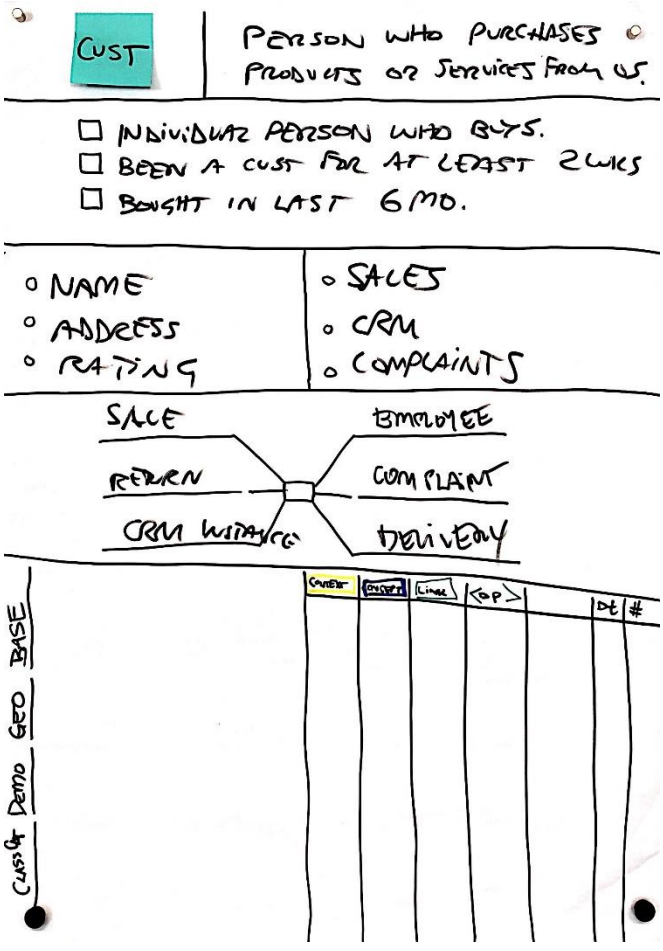
Contemplate

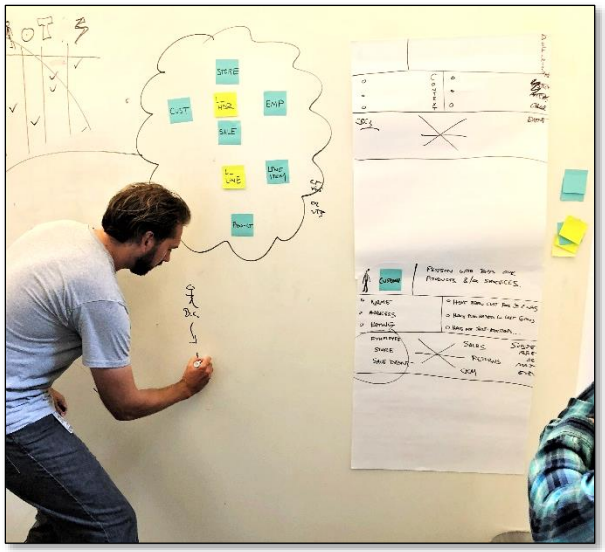
Present

The ELM workshop is a highly interactive session that depends on active participation. Allow for small groups to form and collaborate, allow for debate and discussion, allow time to contemplate, and ask business representatives to present their models.

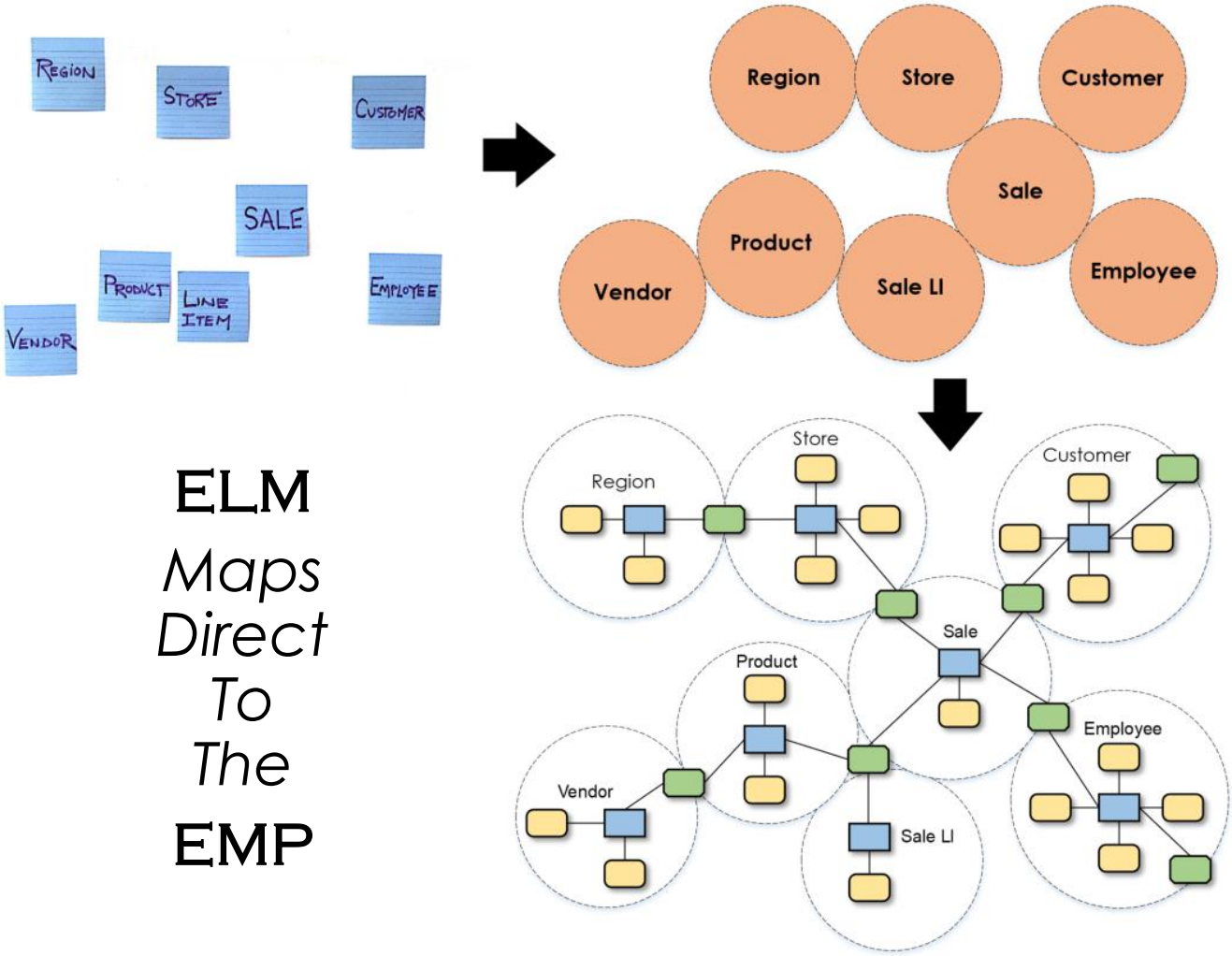
Capture ELM CBCs NBRs & Attributes







Maps to Ensemble Modeling Pattern



ELM

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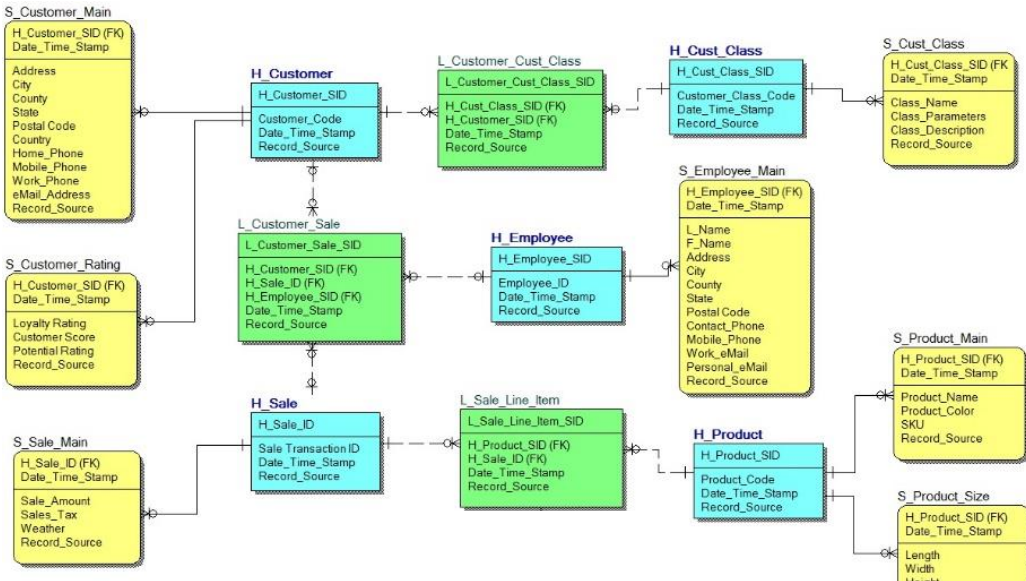
EMP



Sample EMP: Data Vault Pattern

After the ELM workshop Create EMP

ELM Primer Course

Duration:	Half Day
Course Fee:	€495 EU
Requirements:	None
Course Materials:	Materials (Provided)
Registration	GeneseeAcademy.com
Audience:	Business Area Representatives, Business Analysts, Enterprise Data Modelers, Analytics Professionals, Data Scientists, Enterprise Architects, CIO, CTO, CDO, CFO, & all who use & leverage organizational data

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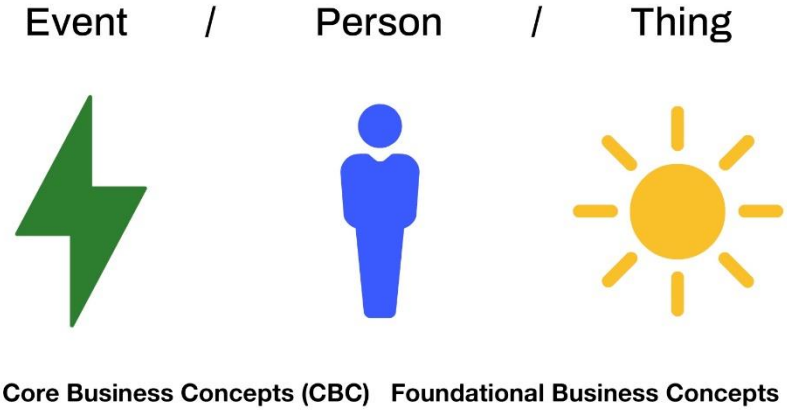
Topics

Business Data Modeling, Logical & Ensemble Modeling. Core Business Concepts (CBC) & Natural Business Relationships (NBR). Common NBR Design Patterns. Keyed-Instance Considerations. Abstraction/Generalization. Classifications/Categorizations. Moving to Ensemble Modeling Patterns (EMP). Putting it all Together. Complete ELM Case Exercise. Final Topics and Q&A.



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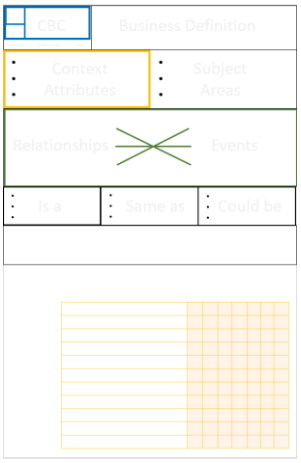

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