A brief guide to the

Ensemble Logical Model
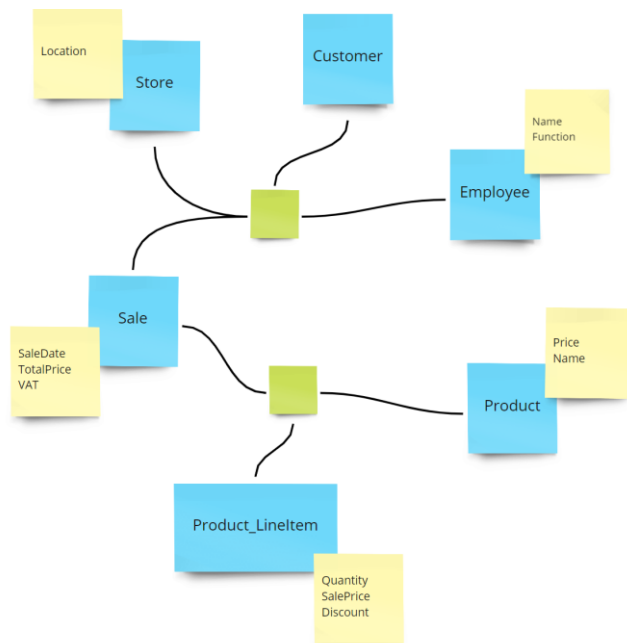
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Ensemble Logical Model

Mapping your business!

Mapping the organization; that is the goal of Ensemble Logical Modeling. The Ensemble Logical Model is an enterprise-wide business model which, in an agile way, maps the business concepts within a given organization into an agile and adaptable model. Using the ELM Artifacts (which are described during the ELM Workshop with business representatives) the full logical model can be created. The Ensemble Logical model is a backbone model containing the Core Business Concepts and the way these are related. To assure the meaning of the concepts is commonly understood, some attribution (context to the Core Business Concepts) is captured as well.

The Ensemble Logical model is input for a technical implementation into any of the Ensemble Modeling patterns, such as Data Vault, Anchor Modeling and Focal Point. The color coding in the model helps in the translation:

-   Blue; identifier (Instance) of the Core Business Concept - Hub, Anchor or Focal;
-   Green; the unique specific Natural Business Relation – Link or Tie;
-   Yellow; the attribution, context describing the Core Business Concept – Satellite, Attribute or Descriptor.

The Ensemble Logical Model is used for communication (together with the ELM Artifacts):

-   For Business representatives – It is a representation of their own business, using their terminology, their business concepts;
-   For Data Analysts /Data Stewards – To understand and recognize the terminology, relations and definitions/descriptions;

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- For Source systems – through mapping; is the needed information (Core Business Concepts, Relations and Attribution) available in the source systems;
- For Developers – an almost 1 on 1 translation towards the desired Ensemble Modelling pattern.

ELM artifacts

- **CBC List**; A listing of all named Core Business Concepts, categorized into "Event / Person / Place / Thing / Other".
- **CBC Canvas**; A canvas artifact to guide and visualize the process of discussing synonyms, hierarchies, levels, etc. Plus discussing missing Core Business Concepts.
- **CBC Form**; A Form for CBC disambiguation providing a brief description/definition, including certain attribution, related events, subject areas, synonyms, etc.
- **Event & NBR Matrix**: Artifact which helps with the design and refinement of the relationships. Also this is an important document for data delivery teams.
- **NBR Form**; A Form used to describe the relationship plus investigate the right grain, precision and cardinality of the relation.

ELM Workshops

A facilitator will lead workshops with business representatives to gather all of the Core Business Concepts in an interactive way. These concepts will be listed and described using the ELM Artifacts.

The whole purpose of this guided process is to have a documented overview of Core Business Concepts and their Natural Business Relationships which will lead to a logical data model recognized by the business. This logical data model is a direct blue print for any of the ensemble modelling patterns (such as Data Vault, Anchor and Focal Point).

Training and Guidance

See GeneseeAcademy.com for the latest schedule of a training near you. For more information or guidance please send a mail to info@GeneseeAcademy.com.
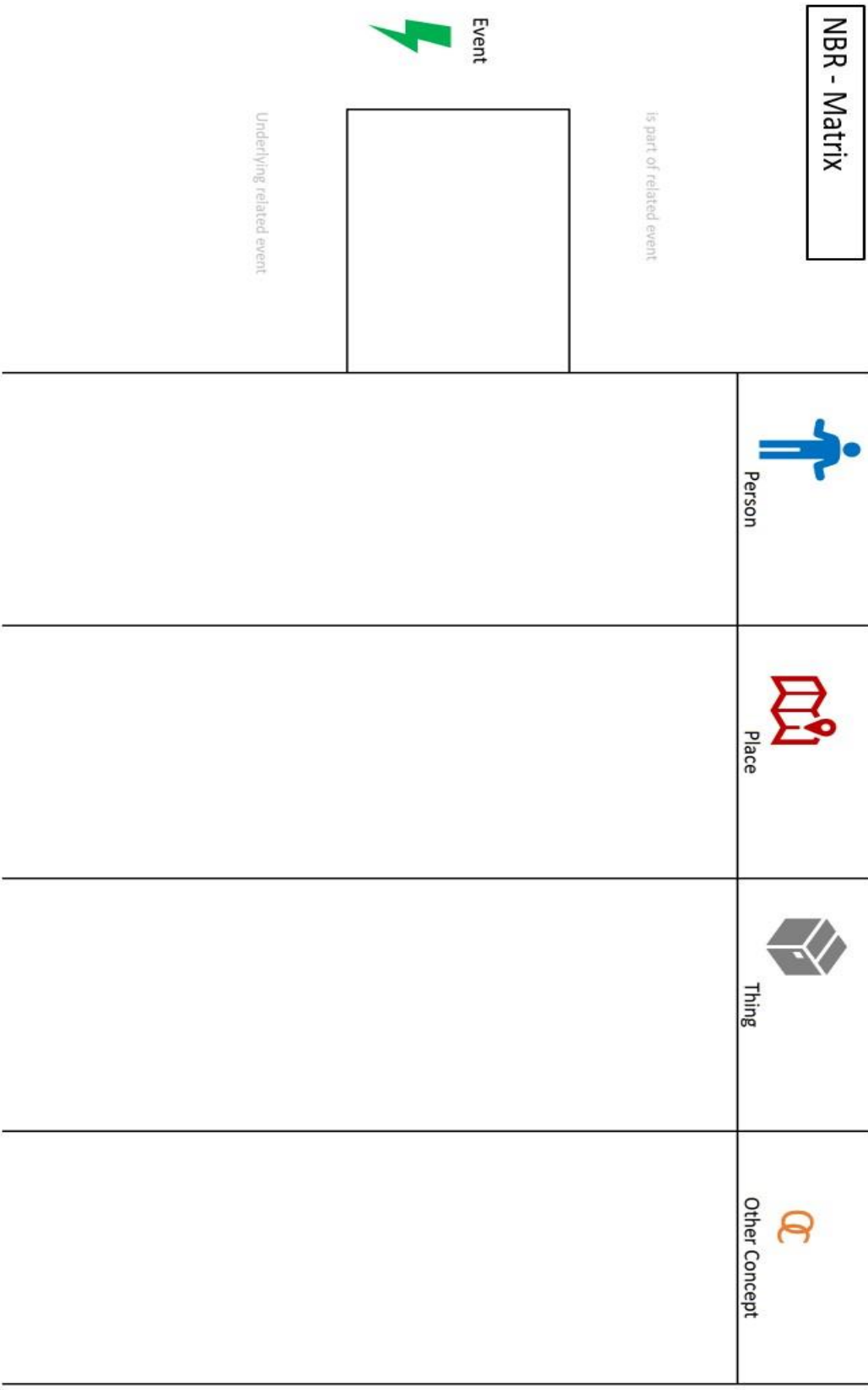
CBC List	Event	Person	Place	Thing	Other Concept

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CBC Canvas

⚡ Event	🧍 Person	📐 Place	📦 Thing	⊃⊂ Other Concept

CBC-Form

| | CBC | Business Definition |

-
-
- Context Attributes
-
-
- Subject Areas

Relationships ✕ Events

-
- Is a
-
- Same as
-
- Could be

NBR - Matrix

Event

is part of related event

Underlying related event

	Person	Place	Thing	Other Concept

NBR-Form

NBR Name

-
-
-
-
-
-

Involved CBC's

-
-
-

Simultaneous events

Example records

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