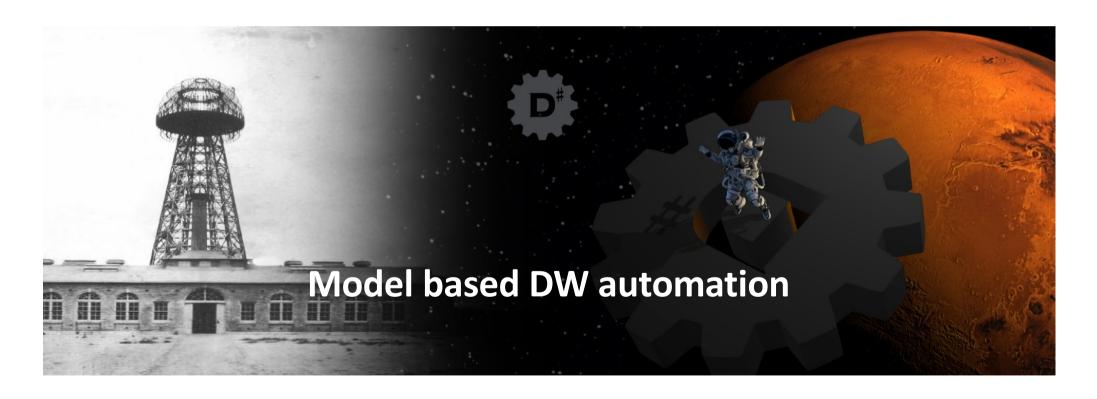


D# Engine





Contents

- The Big Picture
- Modeling
- Data Vault And Automation
- Hands-on

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The Big Picture







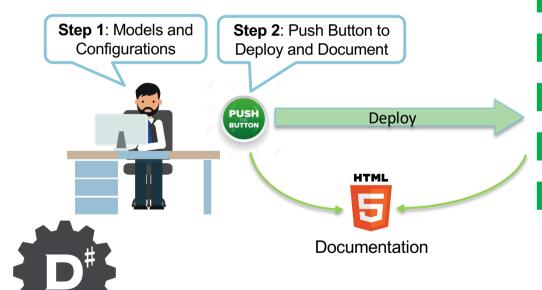
Automated Data Vault 2.0

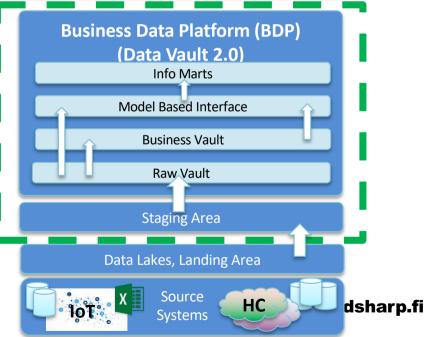


Analyze, Simulate, Forecast and Understand.

> Decision Support







Modeling



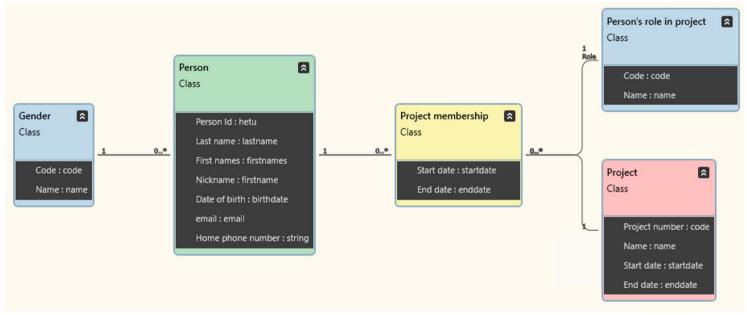


Conceptual Model

- Normalized model describing business phenomena using established business terminology
- Non-technical
- Informative
- Modeled using standardized methodology
- Specification document for the implementation phase input for automation mechanism



Target model – Iterations 1 - 3





Data Vault And Automation





Data Vault

- Structure and method specifically designed for Data Warehouse solutions
- Data Vault 2.0 de facto standard for new solutions
- Implementation and use requires special knowledge

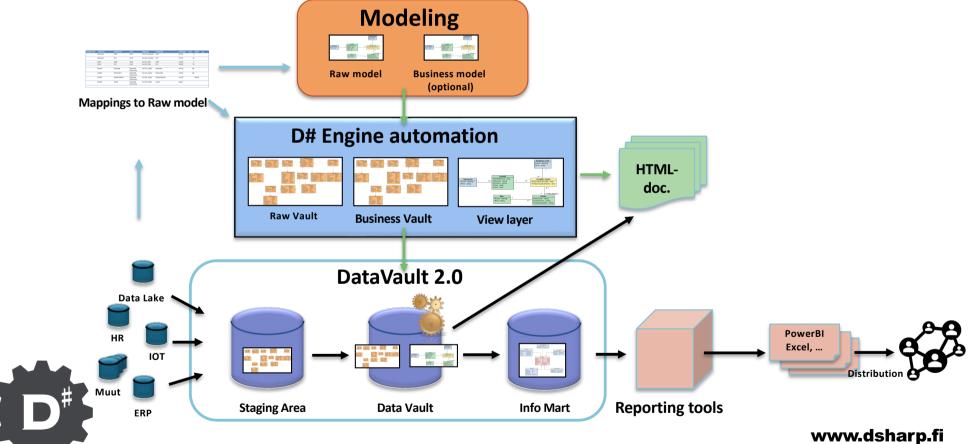


Data Vault 2.0 And Conceptual Models

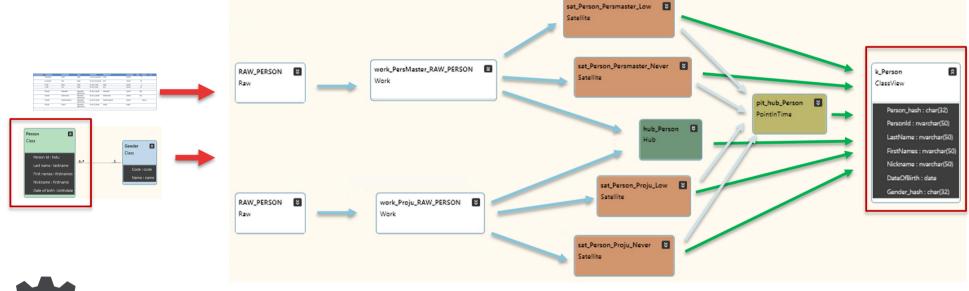
- Raw Model
 - Basis for the Raw Vault
 - Dependent on raw data
- Business model
 - The world as we want to see it, designed for a specific purpose
 - Publishes the contents of the Raw model in a managed structure
 - Technically, all data processing happens before this layer: what comes out of it is "approved for usage"



D# DevOps Process



Generated Objects





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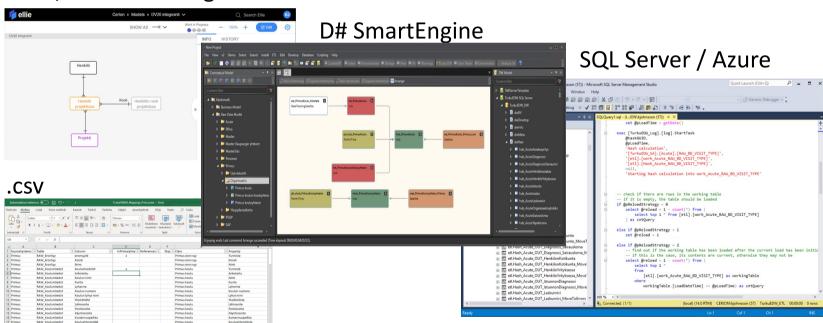
Hands-on





Toolbox

Ellie / Visual Paradigm





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Steps

- All in all 10 tutorials
 - 3 during online course
 - 7 at own convenience
- Modeling
 - Iteration 1: Person, Gender
 - Iteration 2: Add attributes to Person
 - Iteration 3: Project, Person's role in project, Project membership
- Mappings
 - OpenOffice Calc, two simulated source systems
- SmartEngine for Data Vault 2.0
 - Imported models, diagram
 - Generated Data Vault diagram
 - Installation package
- MS SQL Server
 - Load DW with simple demo data
 - Simple DW based queries







Contact information

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