

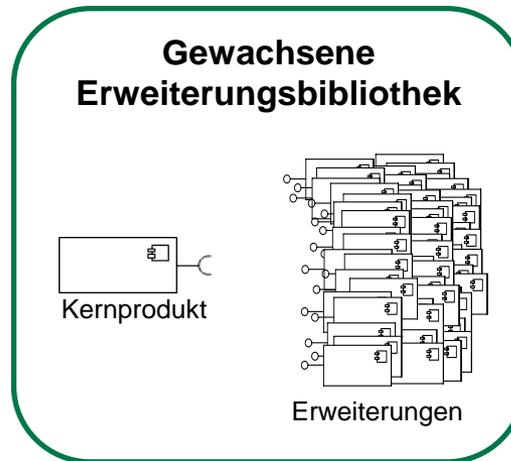
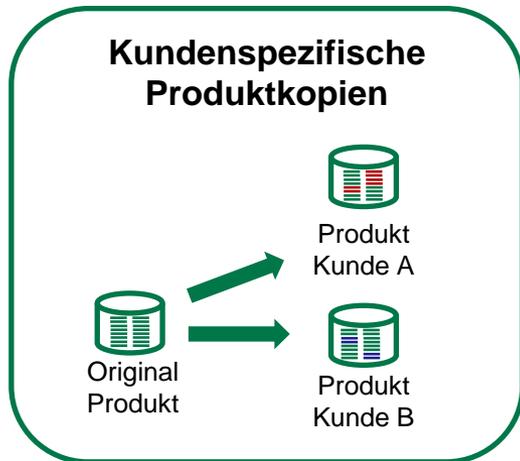
Von Produktkopien zu Produktlinien

Benjamin Klatt

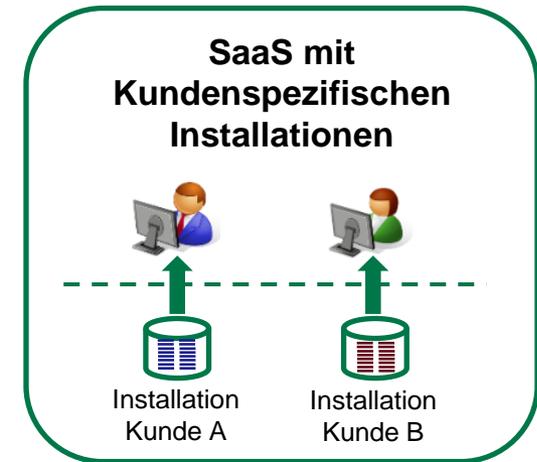
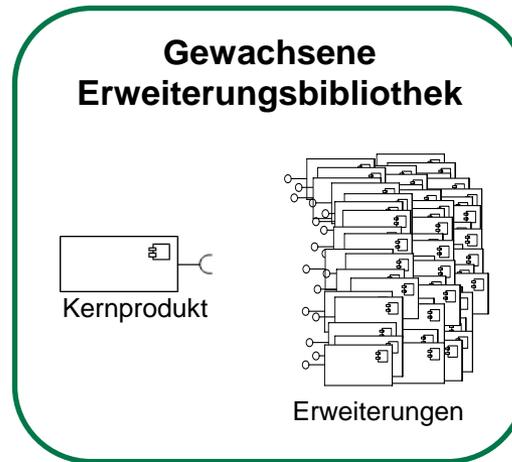
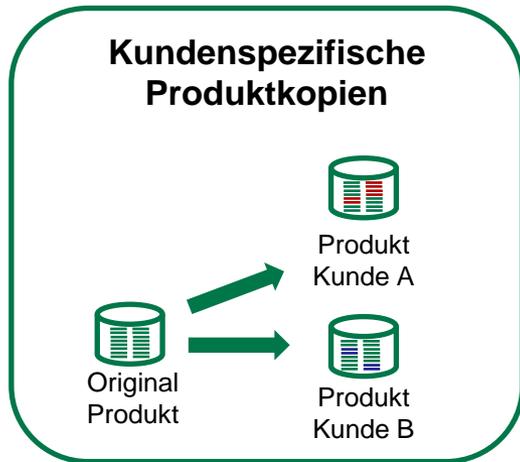
Karlsruher Entwicklertag, 2012-05-09



Produktkopien



Produktkopien - „The Devil Inside“



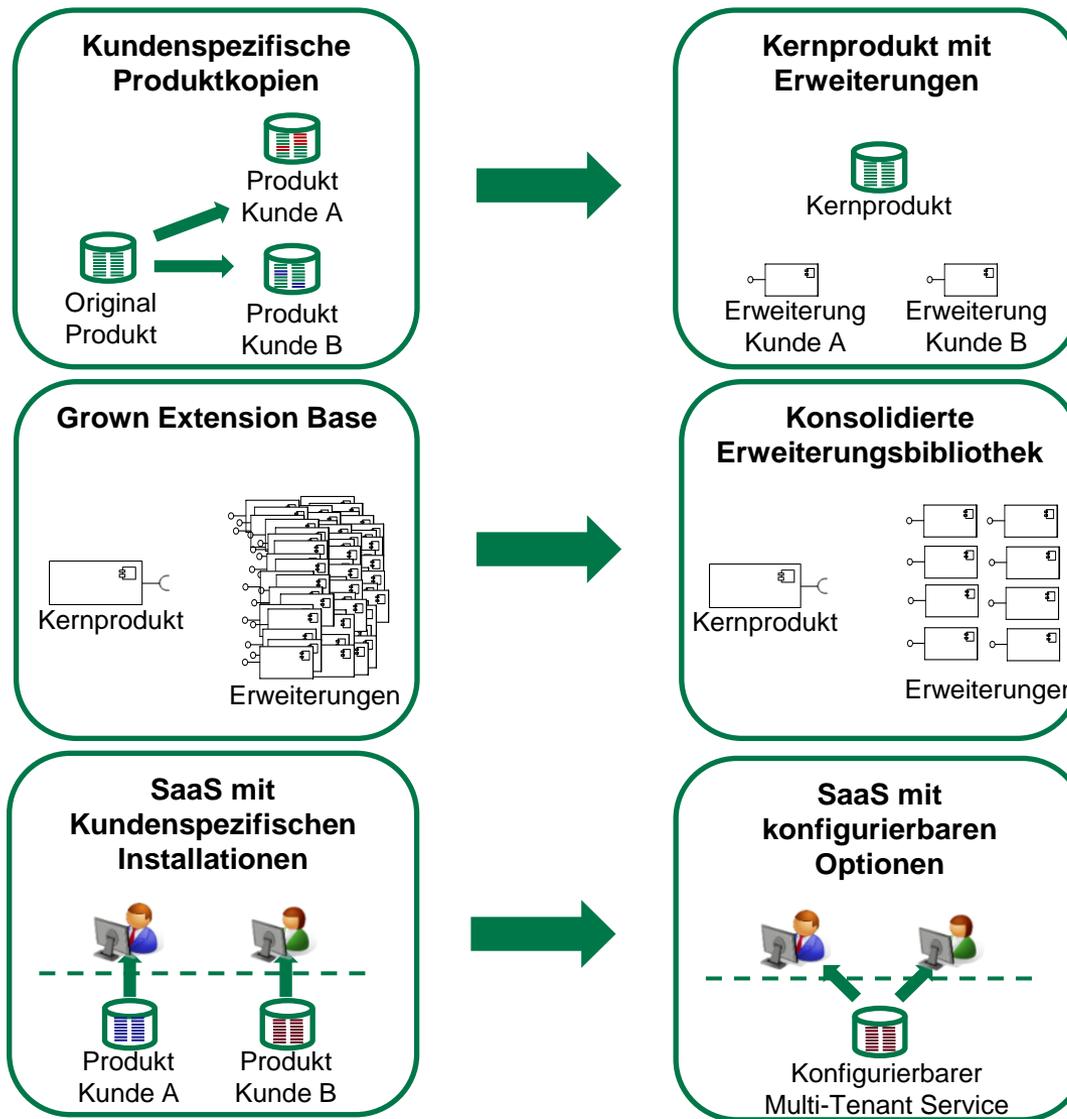
Mögliche Probleme

- Mehrfache Wartung
- Auswahl von Erweiterungen
- Redundante Infrastruktur für Services
- Erhöhte Upgrade Kosten
- ...

Kopien auch noch in 2012



Von Produktkopien zu Produktlinien (SPL)

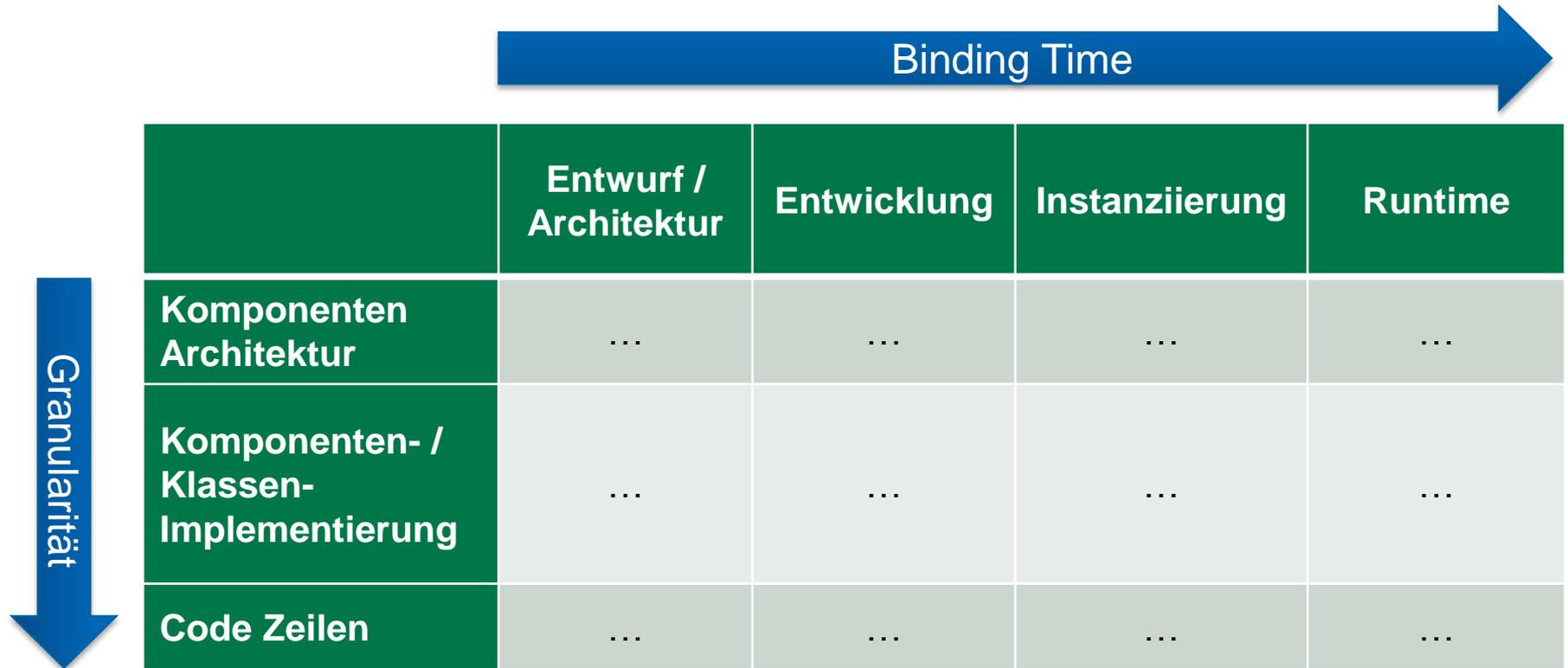


Produktlinien Reifegrad*



* Angelehnt an SPL-Maturity Levels von Jan Bosch

Realisierung der Variabilität*

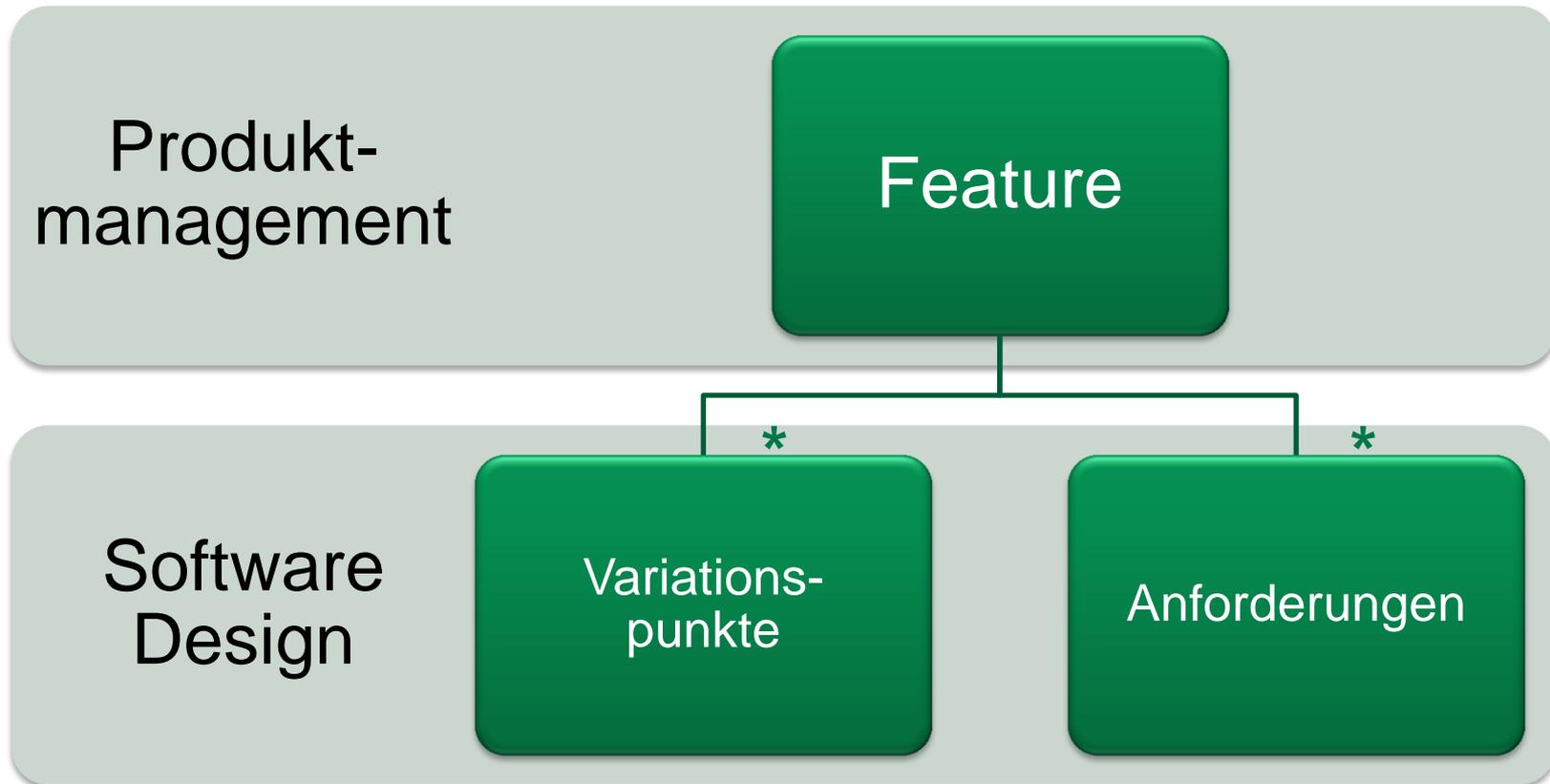


* Angelehnt an Taxonomie von Svahnberg / Gulp / Bocsh

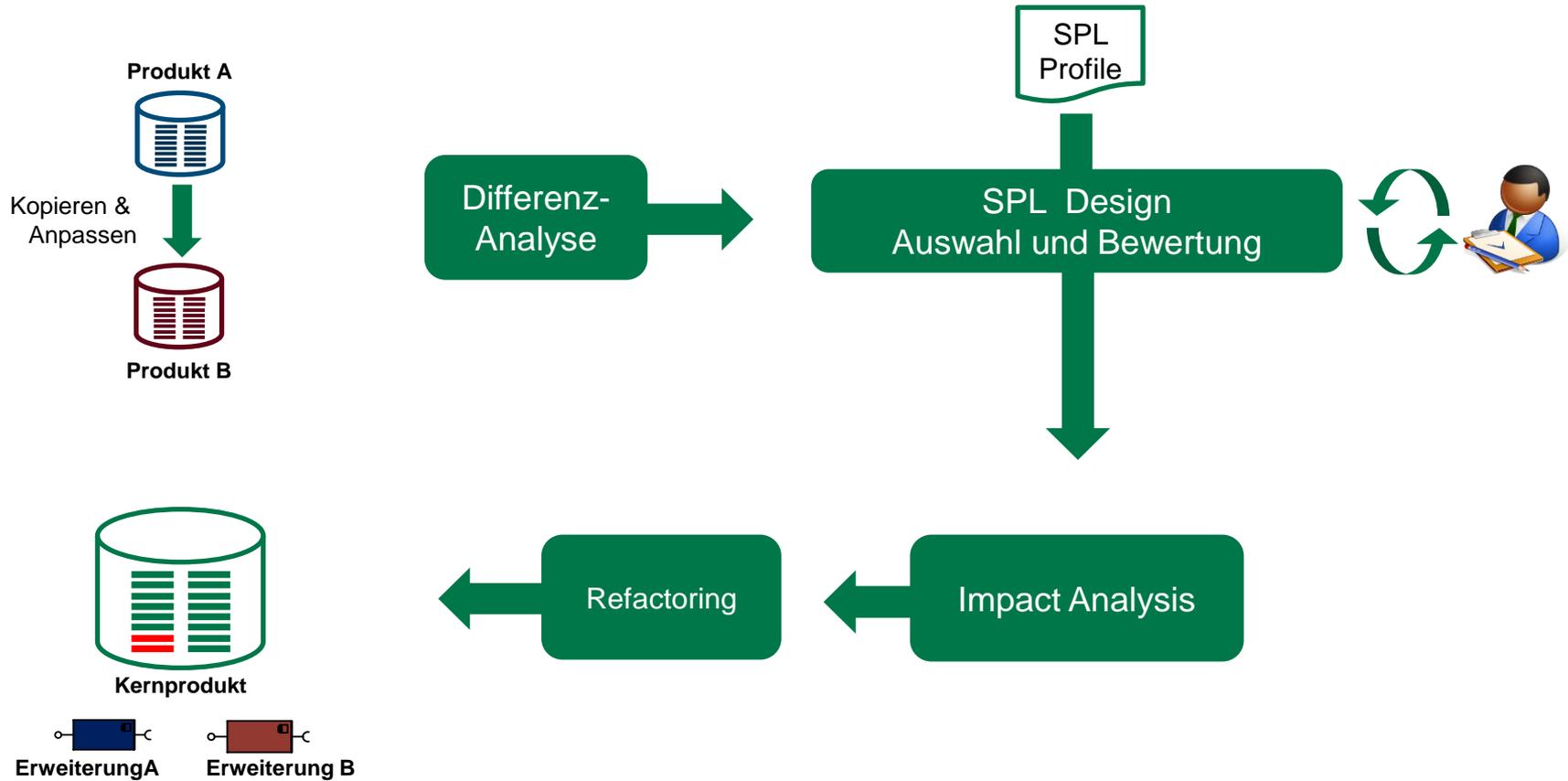
Produktlinien Profil

- Individuelle Anforderungen



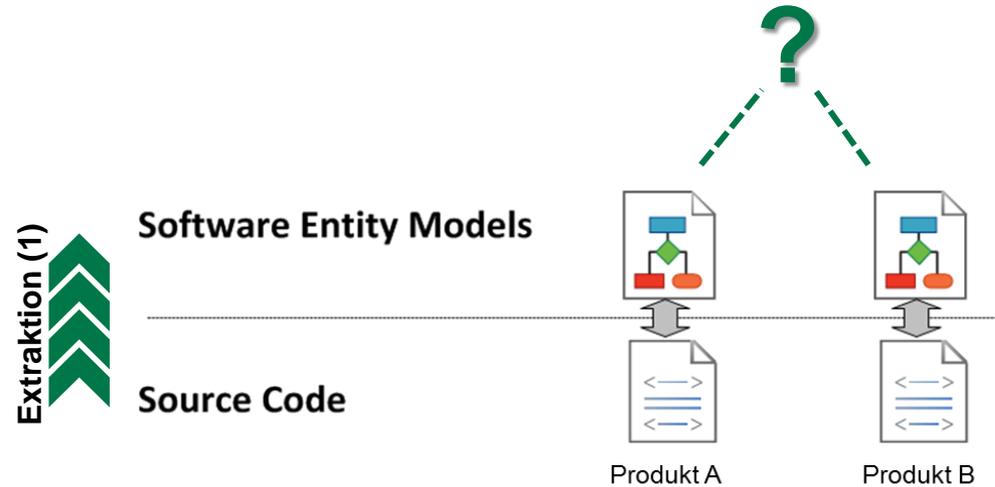


Vorgehensmodell



Diffing der Produktkopien

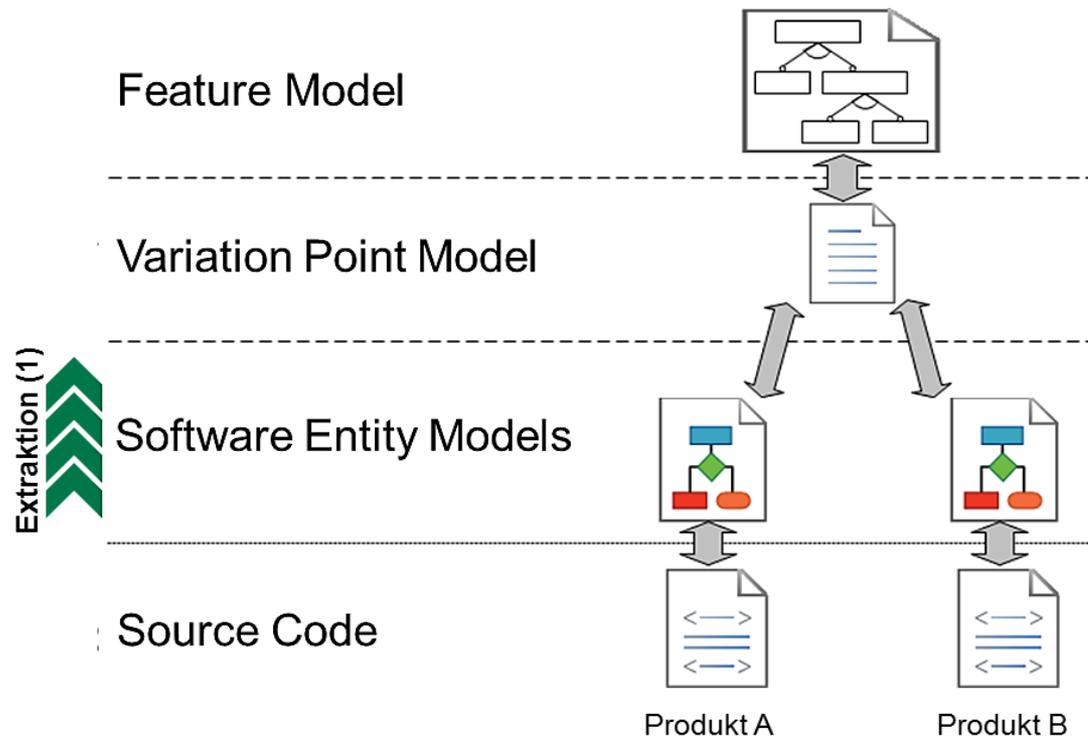
- Modellbasiert



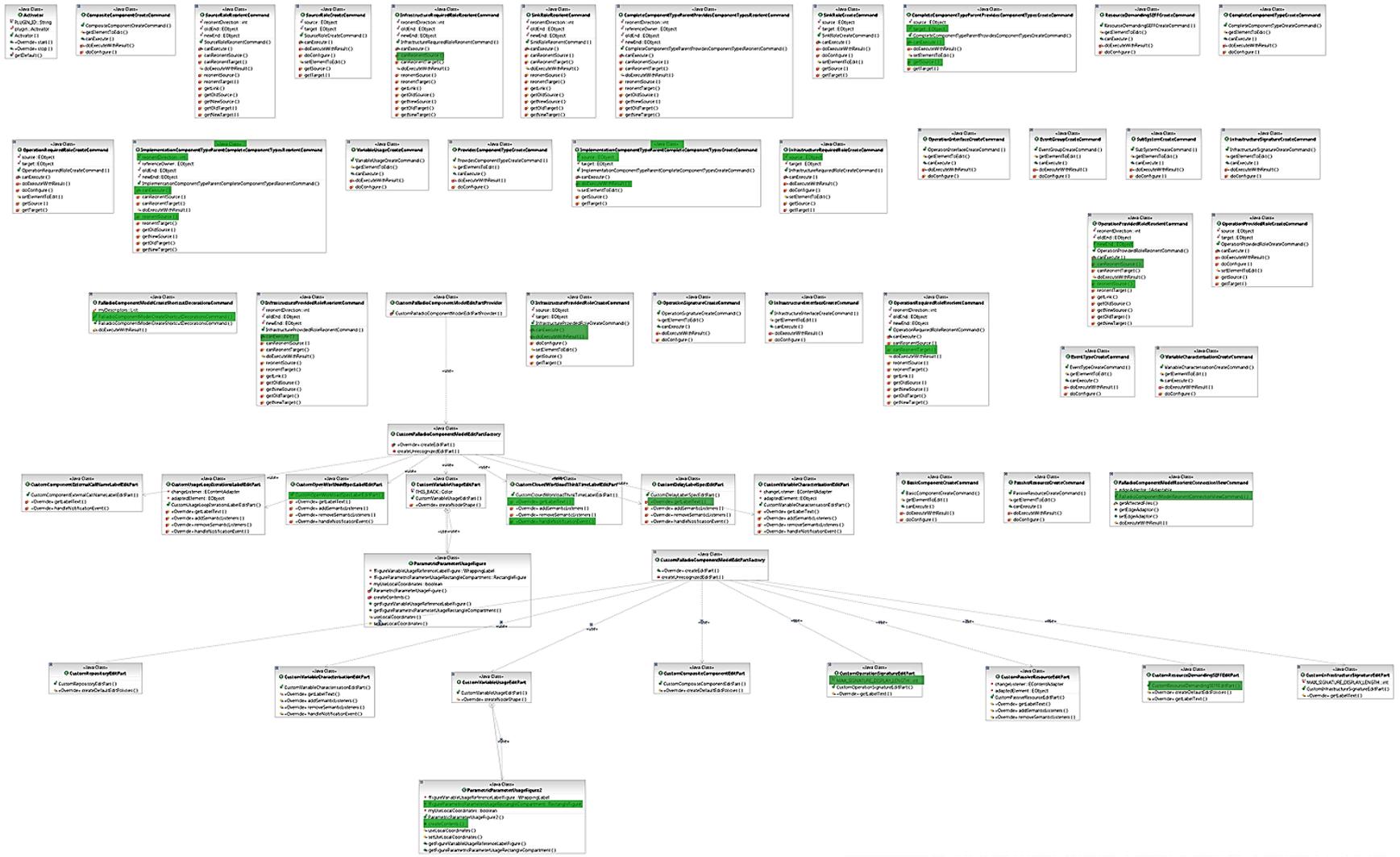
- Code-spezifischer Modellvergleich

Klassen	Methoden	Attribut	Statements
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Initiale Variationspunkt- und Featuremodelle

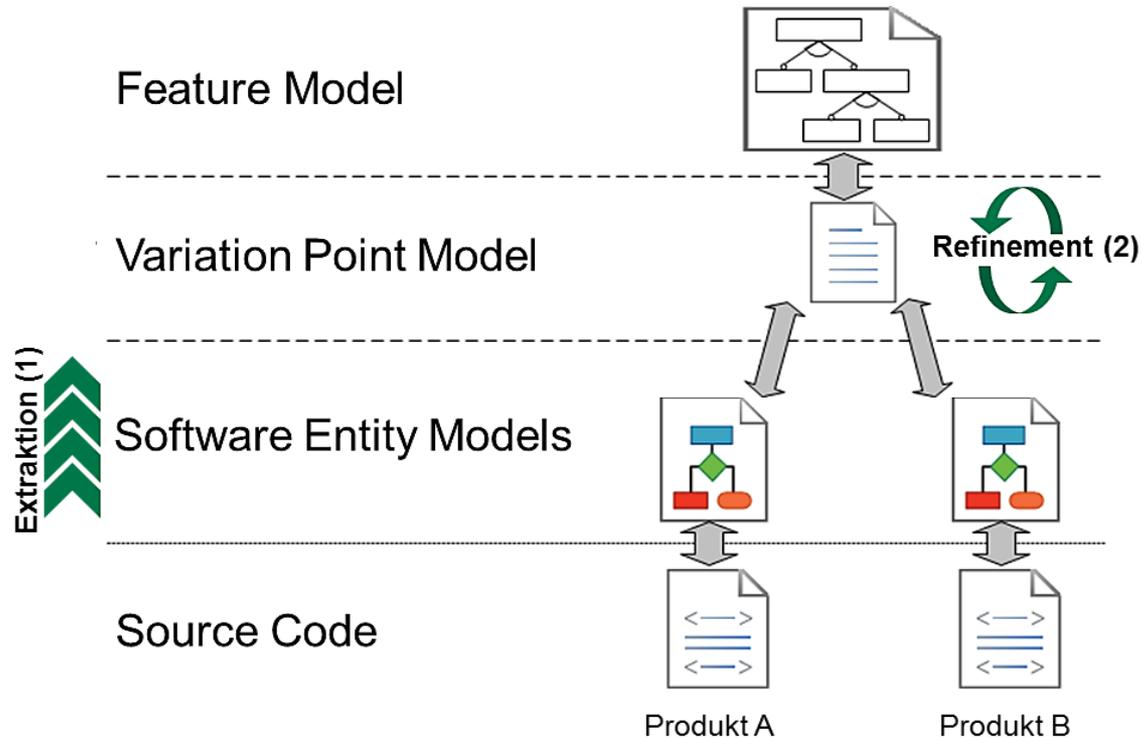


Erkannte Variationspunkte

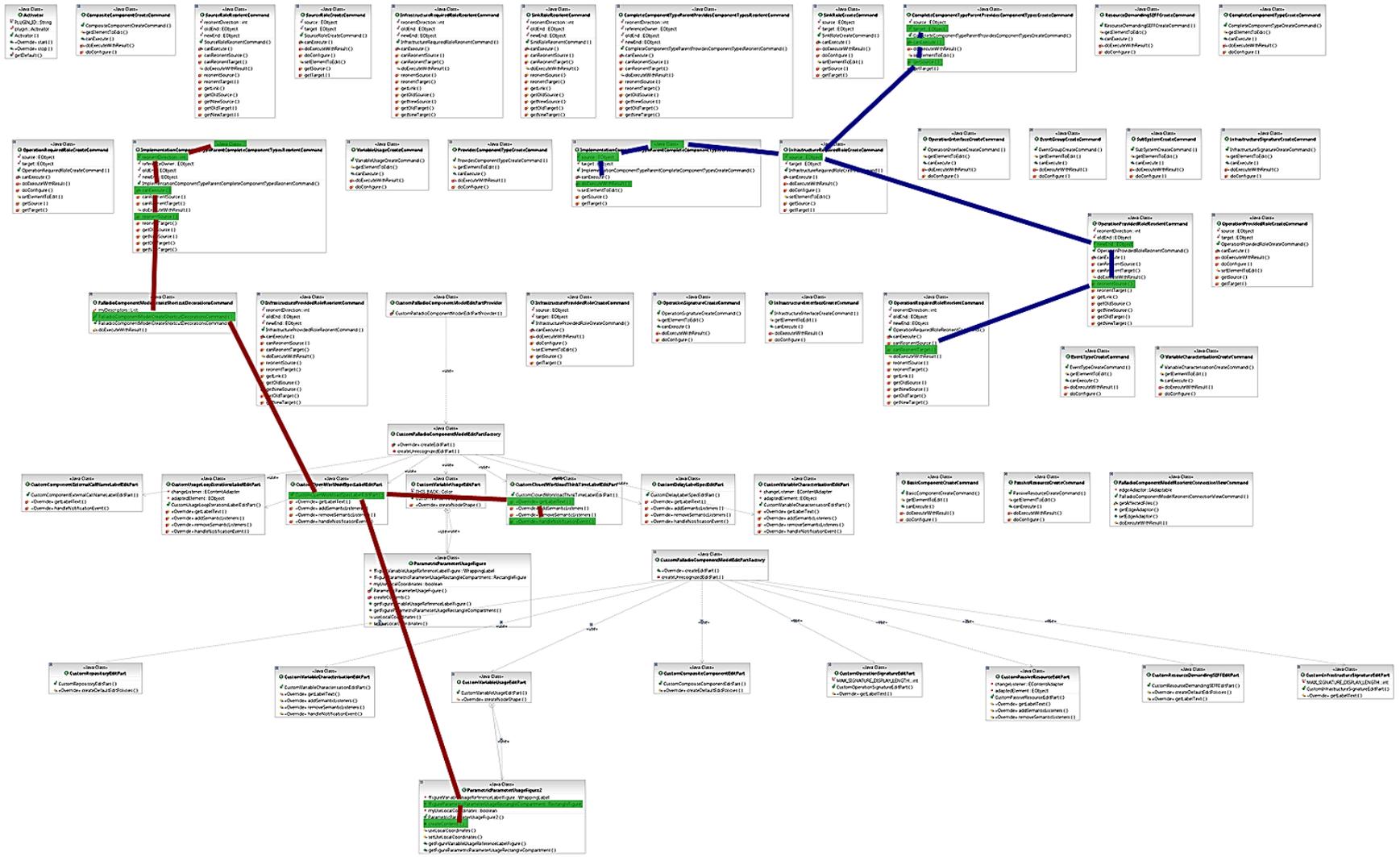


— potentiell viele geänderte Zeilen Code

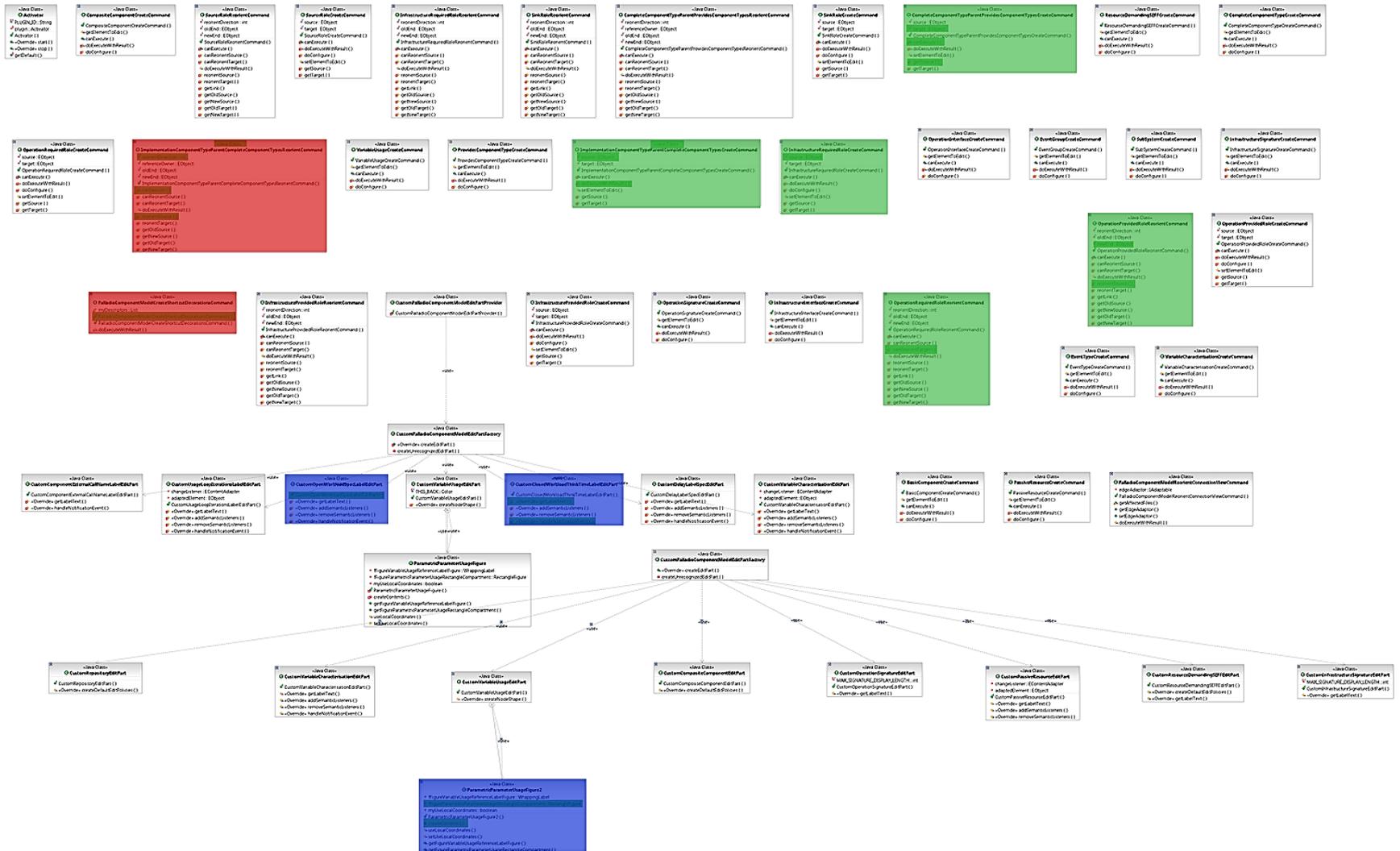
Refinement des Modells



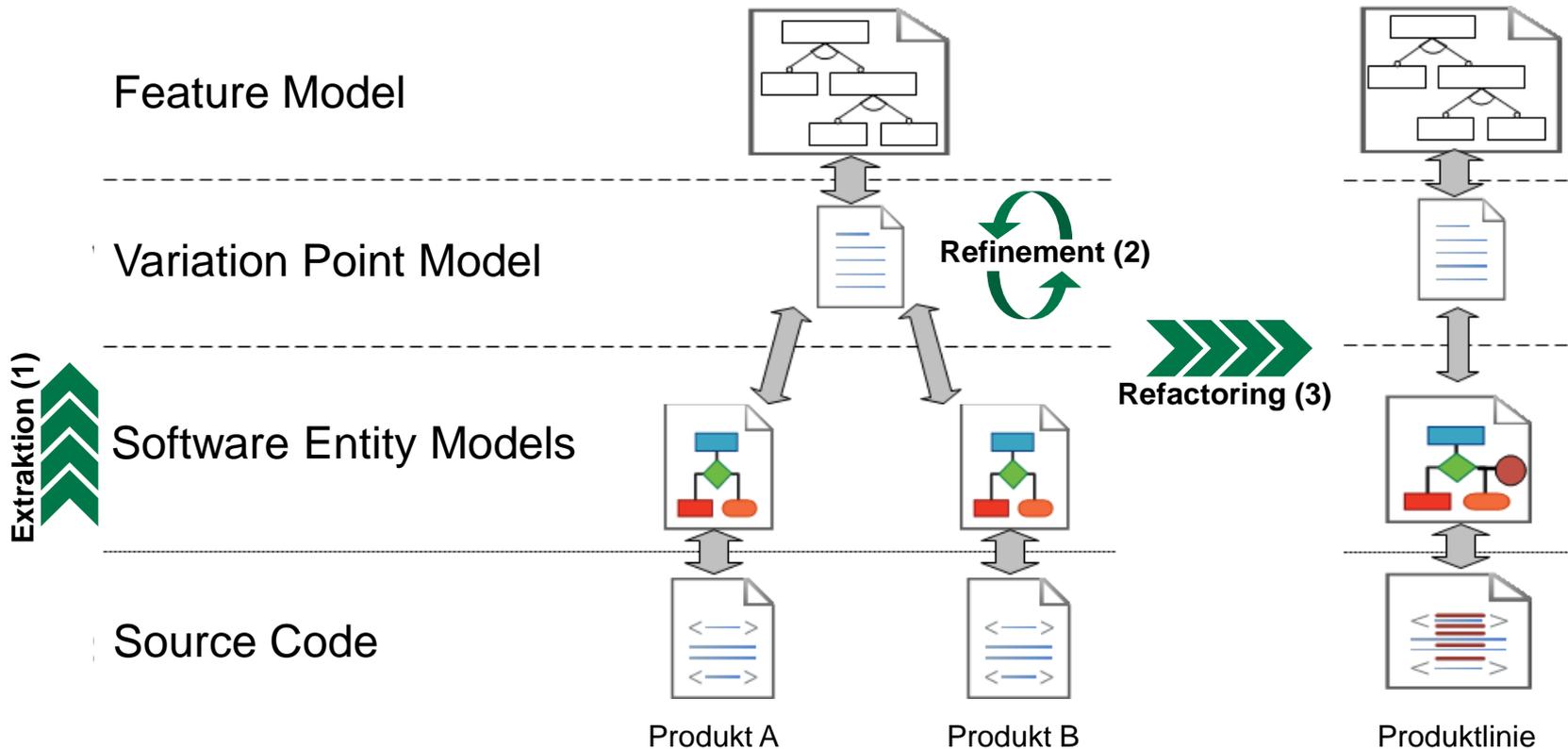
Refinement: Verwandte Variationspunkte



Refinement: Größere Code Strukturen



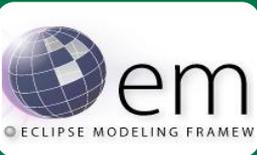
Refactoring



Toolunterstützung



Eclipse



Eclipse Modelling Framework



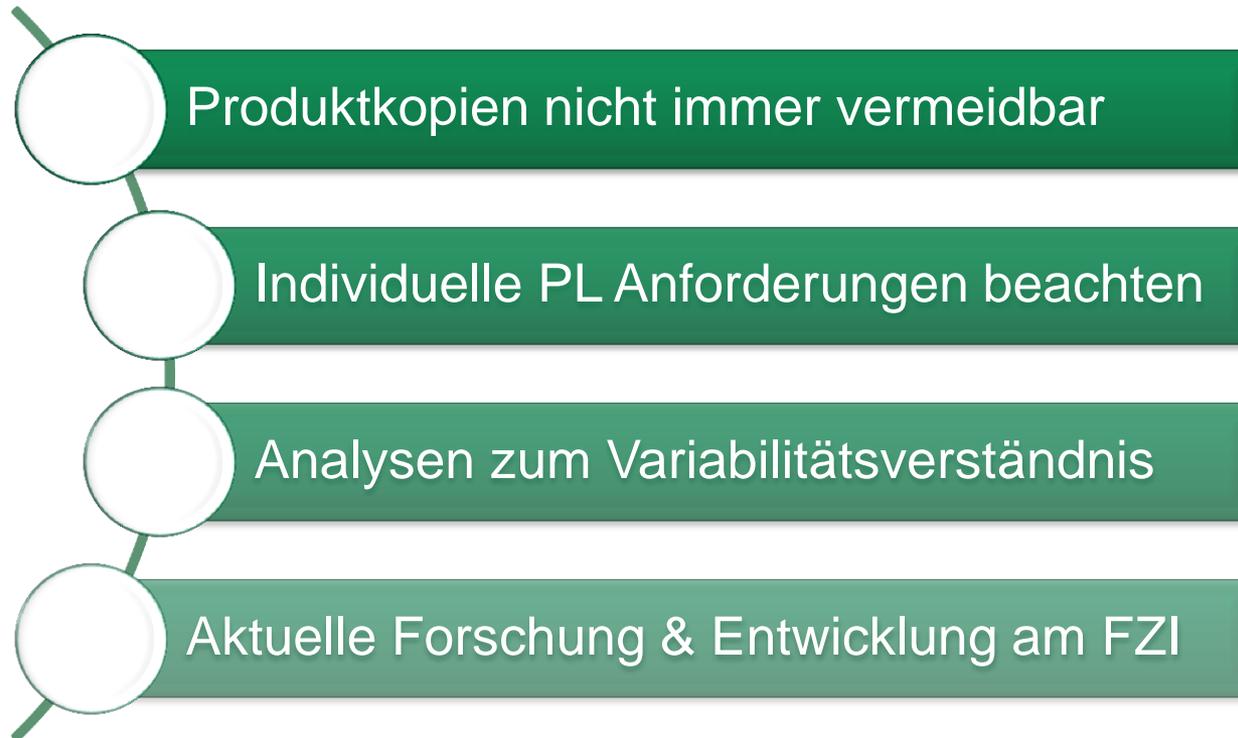
OMG

- Architecture Driven Modernization
- KDM und ASTM Modelle



Eclipse MoDisco

Von Produktkopien zu Produktlinien



VIELEN DANK

Benjamin Klatt
klatt@fzi.de