

Master Data Management

Moderne Stammdatenverwaltung
in einer SOA - Architektur



Vorstellung

- Romeo Kienzler
- Abschluss in “Computer Networking” 2005 in Furtwangen
- Momentan Studium an der ETH Zürich in “Information Systems” (M.Sc.)
- Seit 2008 angestellt bei der IBM Schweiz AG
- Fields of Interest:
 - Verteilte Systeme
 - Middleware
 - Datenbanken
 - Datenintegration
 - Datenanalyse
 - Softwareentwicklung

Innerhalb IBM

Software Group

Global Business Services

Global Technology Services

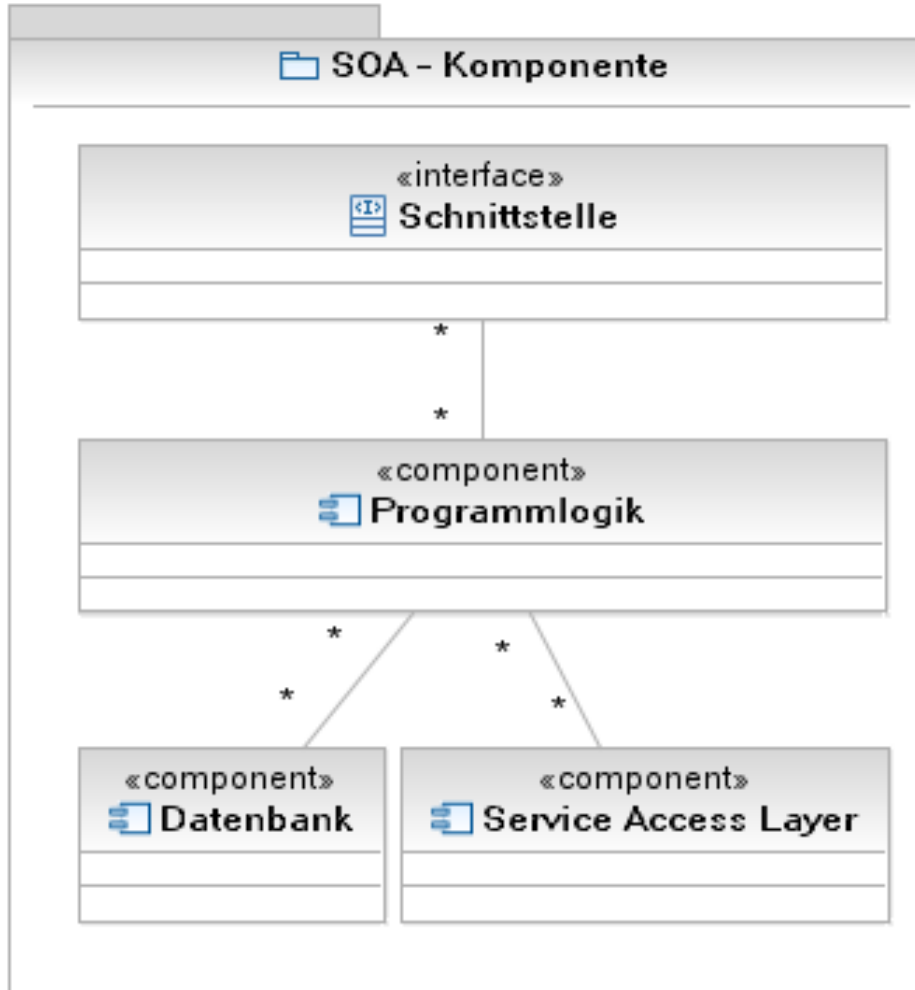
Research

- Lotus
- Rational
- Tivoli
- System z Software
- WebSphere
- Information Management
 - DB2 / Informix
 - ECM
 - Cognos (incl. SPSS)
 - InfoSphere
 - DataStage / QualityStage
 - MDM Server
 - . . .



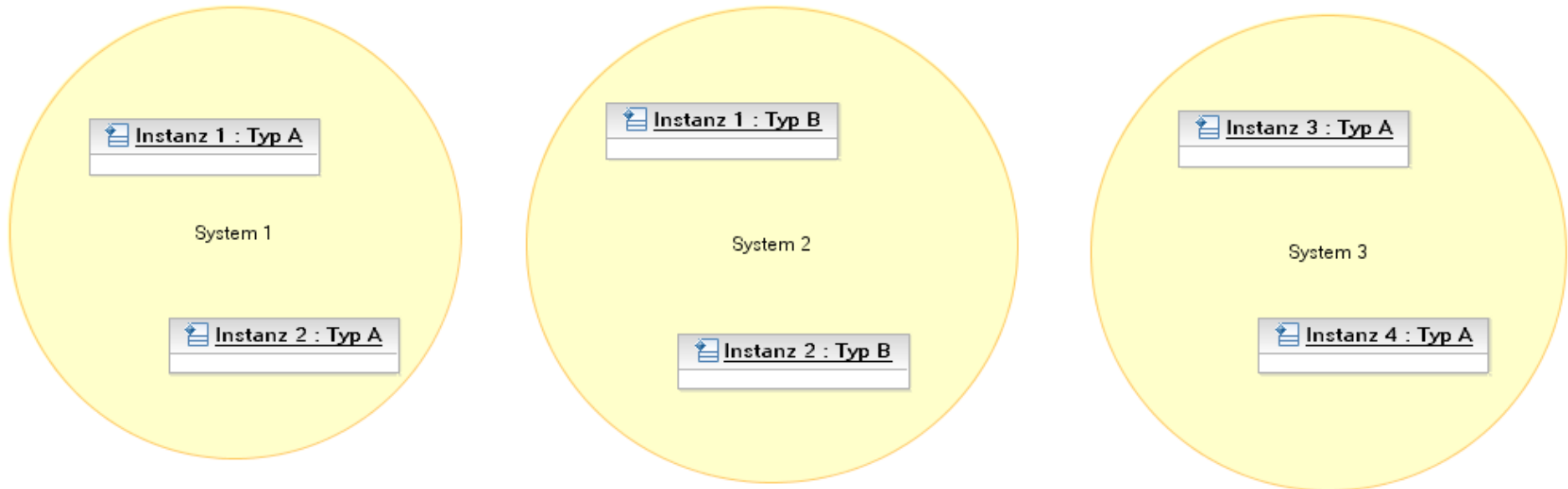
Master Data Management

Datenhaltung in einer SOA-Architektur

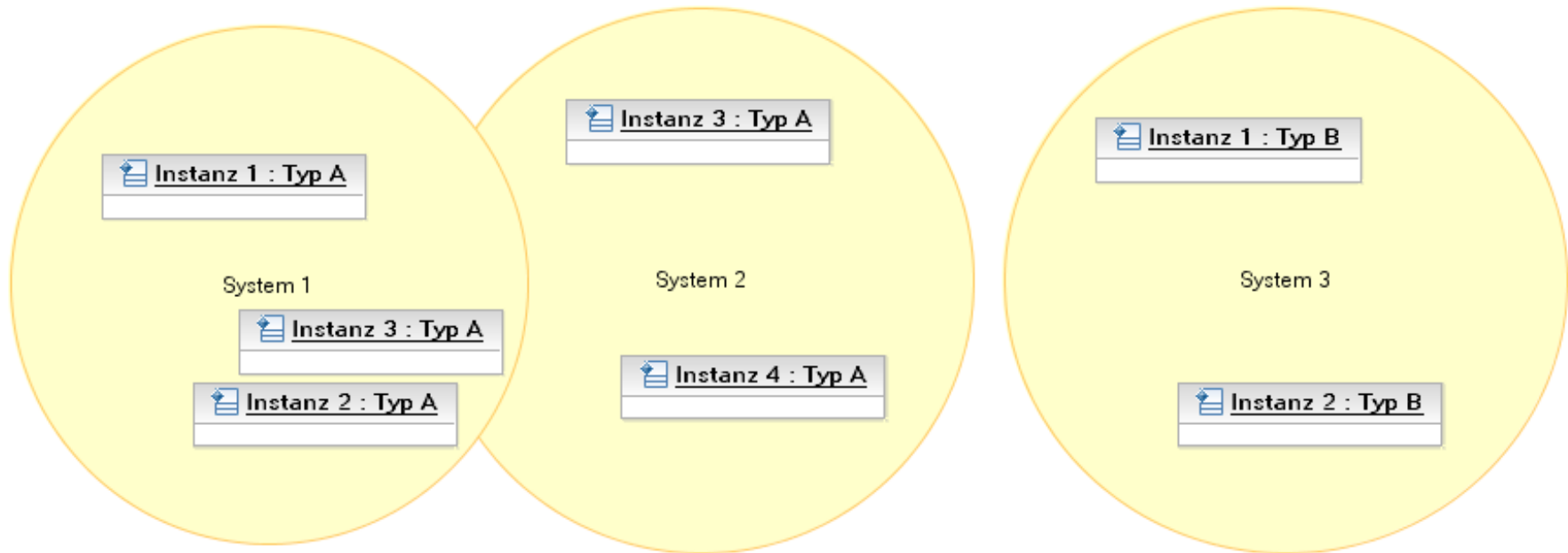


Verteilte Datenhaltung

Verteilte Datenhaltung (disjunkt)



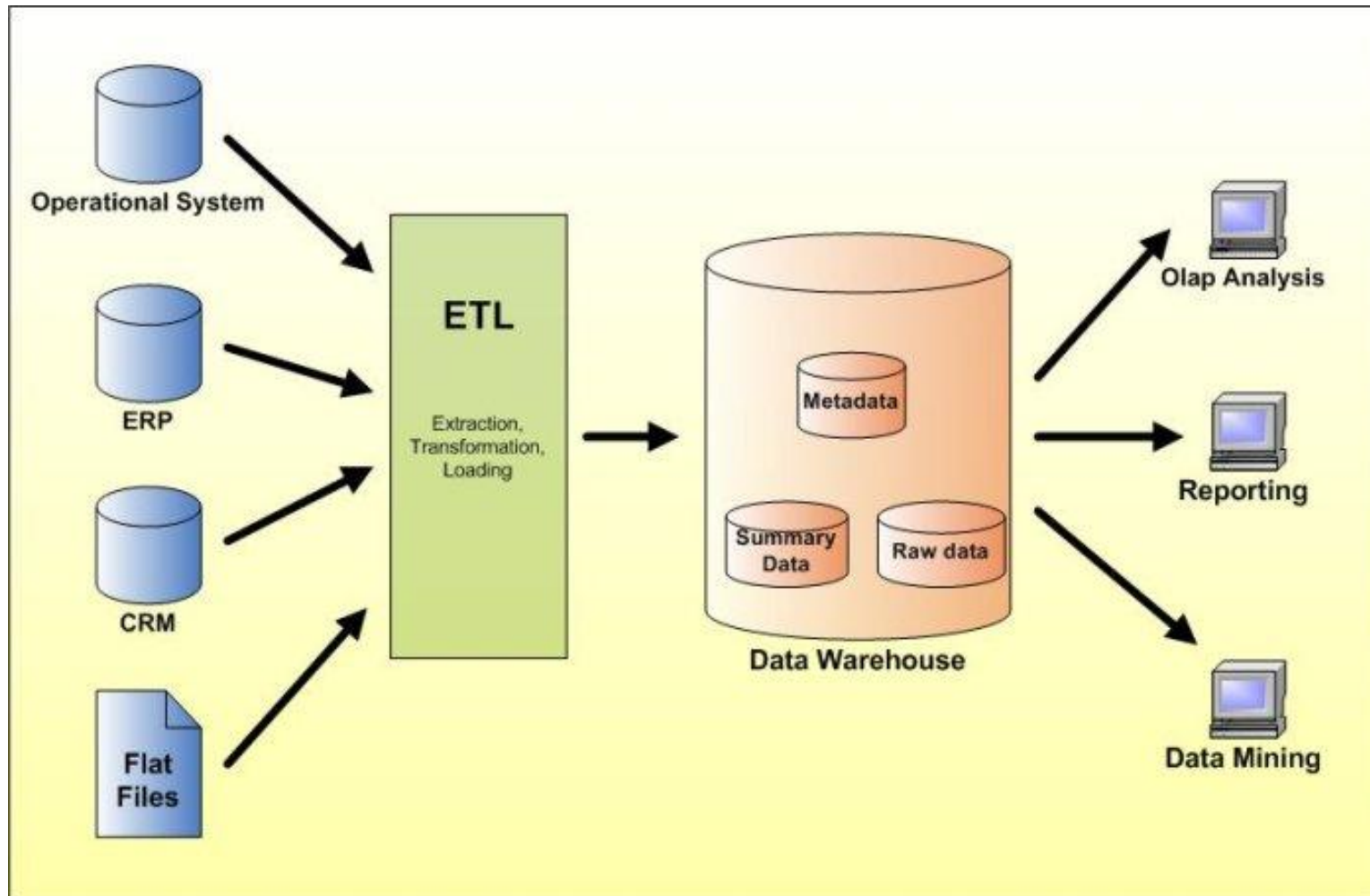
Verteilte Datenhaltung (nicht disjunkt)



Systemverzahnung

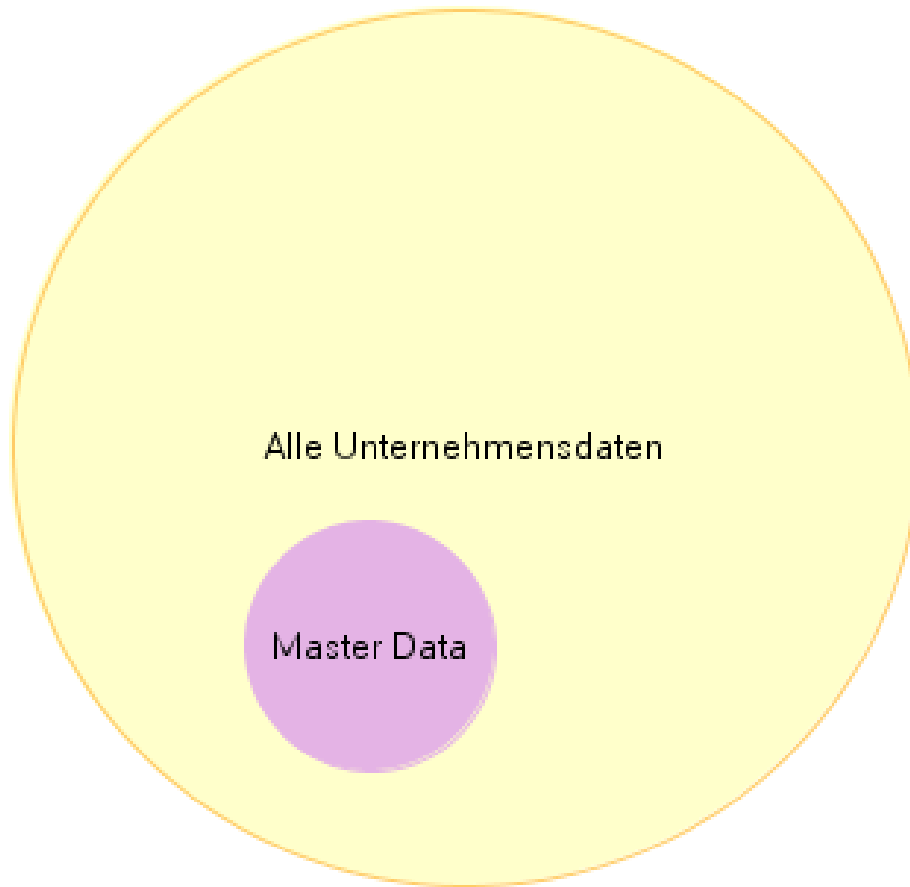
- Peer – to – Peer
- Master - Slave

Lösungsansatz mittels DWH



Quelle: <http://thepcweb.com/wp-content/uploads/2008/06/data-warehouse-architecture.jpg>

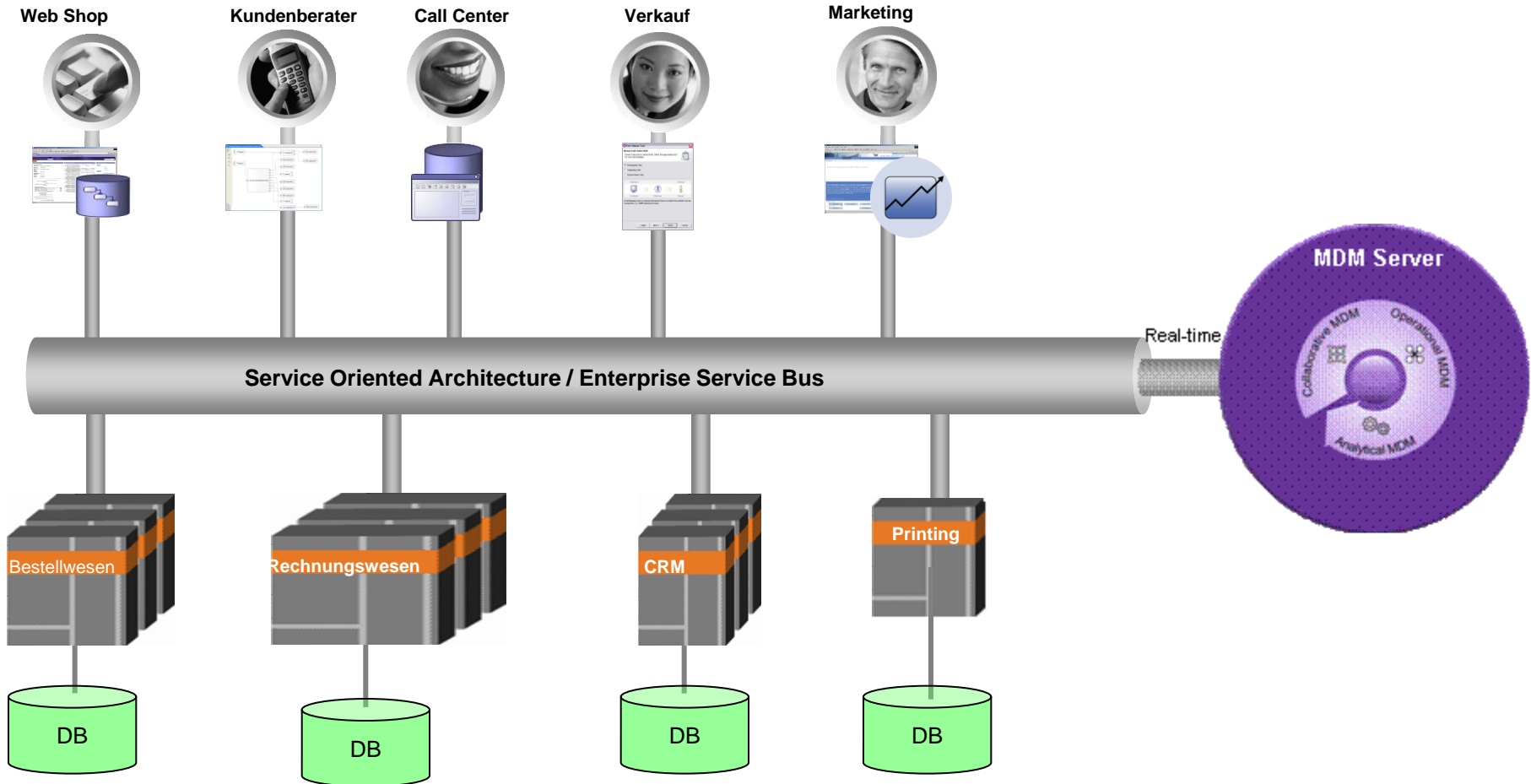
Was ist Master Data?



Wikipedia: Master data ... is information that is key to the operation of business

Ein MDM – System löst diese Probleme

Verschiedene Sichten auf alle Unternehmensdaten



Verschiedene Quellsysteme mit eigenen Datenbanken (Datensilos)

Suspect Duplicate Processing

Task: Merge Reference Data Set
Task description: Merge Reference Data Set

Reference Data Set | Type Definition | Owner | Steward | Data Value | system map

Attributes	New Party Data	Source Data	Suspect Data
Name:	Elton Jackson	Elton Jackson	Elton Jackson
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female	Male	Male
Preferred Spoken Language	English	English	English
Date of Birth	July 7, 1951	July 7, 1951	February 2, 1951
Place of Birth			
Age Verification Type	Birth Certificate	Birth Certificate	Birth Certificate
Marital Status	Married	Married	Married

Merge

Done

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