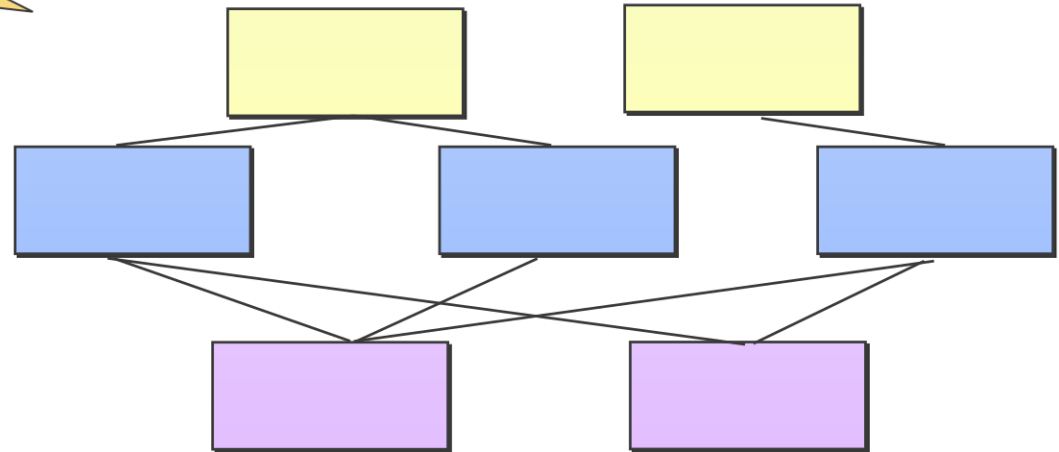
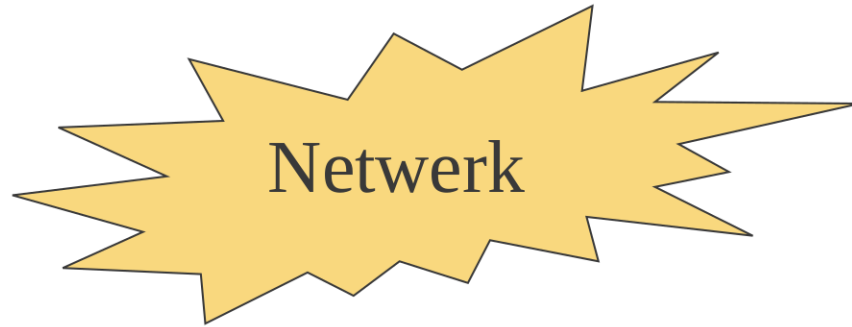


DBMS - Soorten



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Achieve superior, cost-effective database performance with maximum flexibility using CA's proven, Web-enabled, high-performance mainframe relational database management system. CA IDMS provides unparalleled business value for over a thousand organizations around the world.

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- IDMS(2011)

CA IDMS™/DB



At a Glance

CA IDMS™/DB Release 18.5 is a proven, reliable, high-performance, web-enabled DBMS for IBM System z that provides outstanding business value for hundreds of enterprises and government organizations around the world. A powerful database engine and the core of the CA IDMS™ product family, CA IDMS/DB exploits the latest hardware and software technologies, including the IBM zIIP specialty processor.

Key Benefits / Results

Reliable, modernized, cost-effective DBMS platform. CA IDMS/DB is designed to deliver rapid response time and 24/7 availability for critical applications and business services.

Cost-effective performance and throughput. CA IDMS/DB takes fewer system and human resources than other leading databases.

Modernization flexibility. CA IDMS/DB

Business Challenges

Provide high-performance, continuously available systems

Today, organizations must improve customer service through continuously available high-performance systems while enabling critical data access to customers and business partners 24/7 through a variety of server-based, web-based and mobile applications and services.

IDMS 18.5 (2013)

CA IDMS™

Web-enabled, high-performance mainframe relational database management system.

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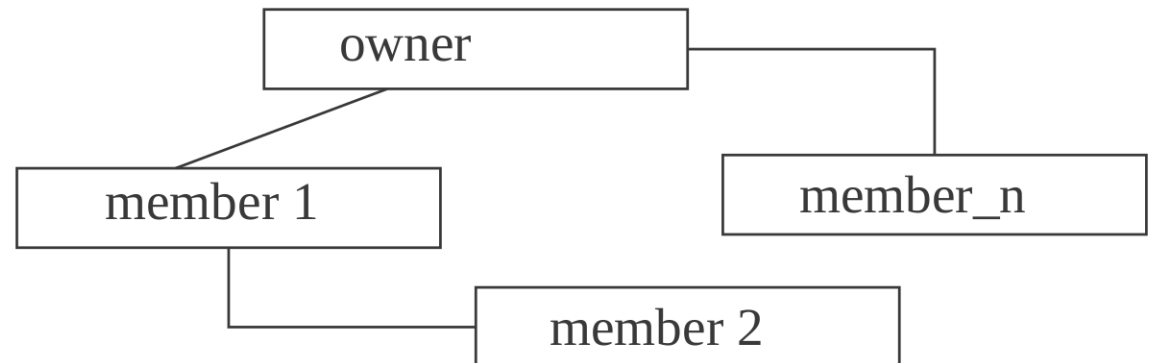
Web-enabled, high-performance mainframe relational database management system.

Achieve superior, cost-effective database performance with maximum flexibility using CA's proven, Web-enabled, high-performance mainframe relational database management system. This legacy DBMS provides unparalleled business value for global organizations, including Fortune 1000 businesses spanning financial, healthcare, manufacturing and more.

IBMS (2017)

Bouwstenen

- Recordtypes => recordinstantiatie
- Settypes => setinstantiatie
- Record key
- 1:n verband
 - Owner-recordtype
 - Member-recordtype



ER-model naar netwerkmodel

- n-op-m relatie naar 1-op-n relatie
- Omzettingsregels :
 - ✓ Entiteitstype wordt recordtype
 - ✓ Binair 1:1 verband kan settype worden
 - ✓ Binair 1:n verband wordt settype
 - ✓ Binair n:m verband : nieuw recordtype creëren
 - ✓ Unair verband : nieuw recordtype

Terminologie

- Recordtype
- Settype
- Record key

Verskil hiërarchisch - netwerk

- Bij netwerkgegevensbanksystemen :
 - kan een recordtype member zijn in meerdere settypes
 - kunnen meerdere settypes bestaan tussen dezelfde recordtypes
 - kunnen members bestaan zonder owners

Gegevensbanktalen

- Gegevensdefinitietaal : DDL
- Gegevensmanipulatietaal : DML

