

DWH, BIAND CRM

Presentation by Livia Greisiger and Christopher Pfrommer

TABLE OF CONTENT



Data Warhousing



Business Intelligence



Customer Relationship Management

communicative analytical operative collaborative

DATA WAREHOUSING

- DB system for analysis in the company → separate DB
- Various data from heterogeneous data sources
- Data secured for the long term, condensed
- Global view of data from different sources
- Data is consistent and structured in one place

DATA WAREHOUSING

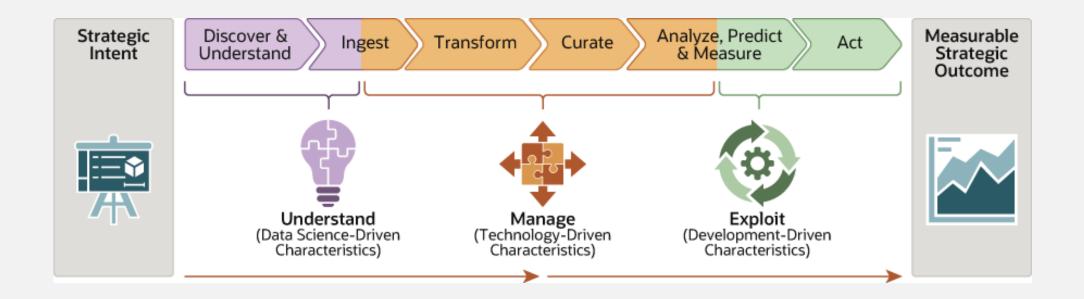
Source system

Data Staging Area

Data
Presentation
Area

Data Access Tools

DWH IN THE COMPANY



 $https:\!//docs.oracle.com/de/solutions/oci-hcm-analysis/img/data-driven-business-context.png$

DWH TRENDS

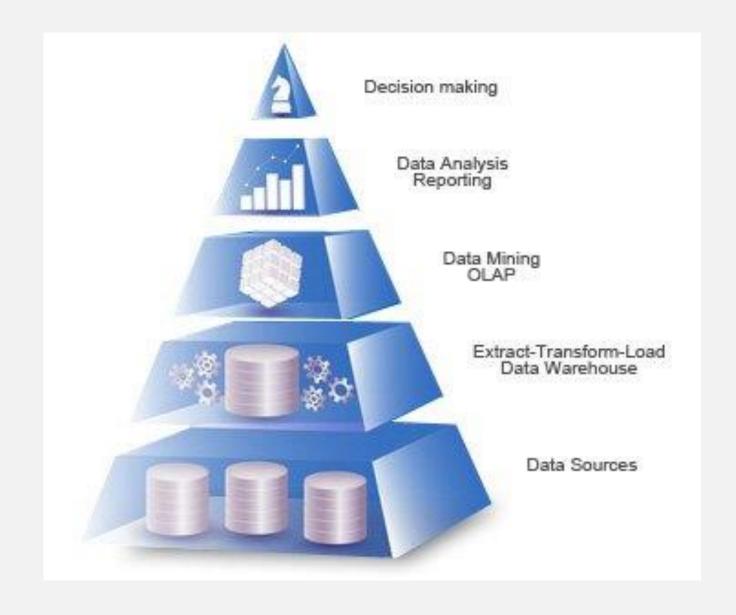






MULTICLOUD DWH

BUSINESS INTELLIGENCE



BUSINESS INTELLIGENCE

- Mission to get more knowledge about my business
- Analyse raw data and quantitative information data
- Extract useful information
- → acquisition of knowledge about the business
- Use this information to make better business decisions
- → Business processes are optimized

BITRENDS

- Augmented Analytics
 - Using machine learning and natural language processing
- Embedded Analytics
- Data visualisation
 - Data quality and model accuracy are important
- Predictive Analytic Tools
 - Using new and historical data to predict trends

BITRENDS

- Artificial intelligence
 - combining Al with engineering and hyperautomation
- Mobile Bl
- Cloud computing
 - Ease of use
 - Scalability and elasticity

CUSTOMER RELATIONSHIP MANAGEMENT

"Products come and go, but customers remain"

[Rust, Zeithaml, Lemon 2000, S. 6]

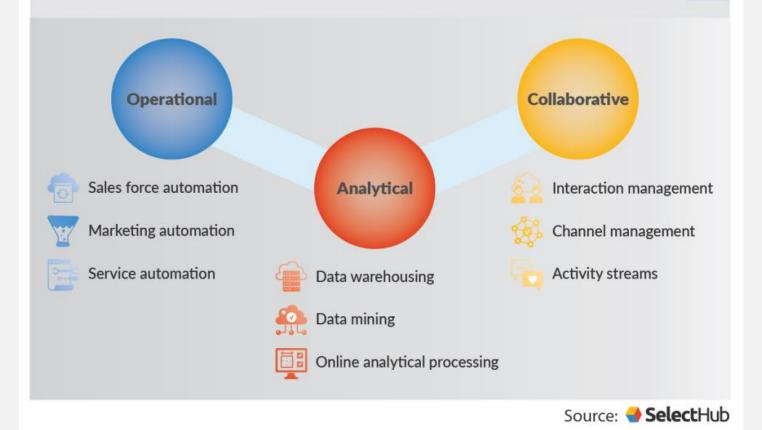
CUSTOMER RELATIONSHIP MANAGEMENT

- Relationship Marketing
- Knowledge Management
- Business Process Management
- Customer-oriented information systems
- Includes the entire company
- Optimal customer orientation



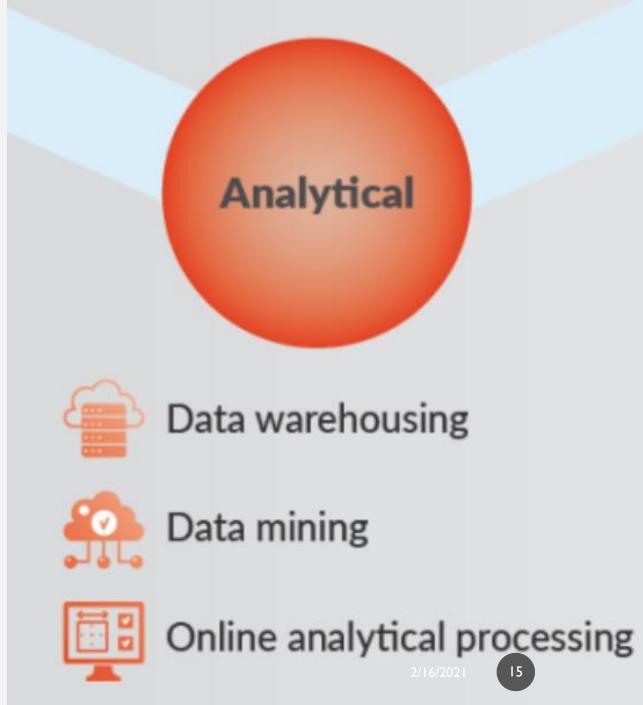
The 3 Main Types of CRM Software

Although most CRM software encompasses a range of capabilities and modules, it can generally be separated into three main categories. The graphic below shows the primary types of CRM, along with some features that accompany each.



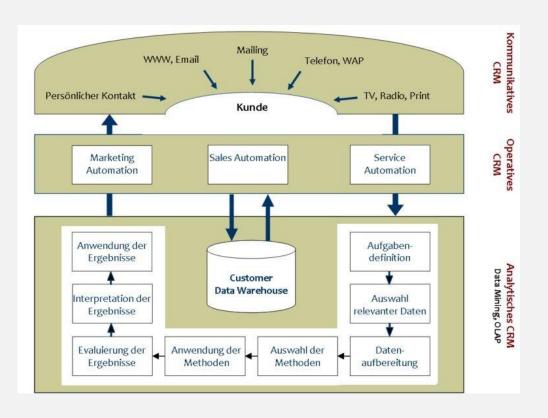
CUSTOMER RELATIONSHIP MANAGEMENT - ANALYTICAL

- Collect
- Prepare
- Analyse



CUSTOMER RELATIONSHIP MANAGEMENT - OPERATIVE

- Marketing, sales, service automation and customer interaction
- Aim: generate Leads → generate customers
 + stay in contact
- Do more business



 $https://enzyklopaedie-der-wirtschaftsinformatik.de/wi-enzyklopaedie/Members/hilbert/oCRM.jpg/image_large$

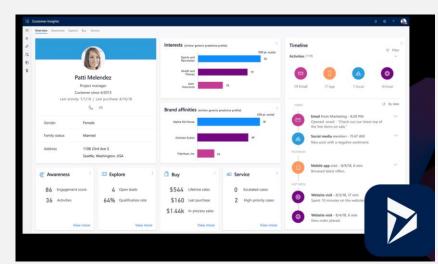
CUSTOMER RELATIONSHIP MANAGEMENT - COLLABORATIVE

- WHAT? Better cusomter Relationship of all employees and partner → intern & extern
 - → Focus on processes with communication

WHY? Achieve business goals: Integration + Competitive differentiation +

Networking of business units

- HOW?
 - Convince involved employees
 - Strategic partnerships





- Live-Chat as standard (COVID-19) + Realtime data provision
- Email marketing
- Social Media
- Human capital
- Descriptive analytics
- Cloud first

CONCLUSION

- Rapid development
- Big Data
- Cloud, Al, Machine Learning

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THANK YOU FOR YOUR ATTENTION!

QUESTIONS?