

University of Applied Sciences

Customer Intelligence and Relationships Management (CRM)



L81A310 Customer Relationship Management (CRM) Course 8th – 12th February, 2016



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Operational CRM Process



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Analytical Customer Relationship Management





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Analytical Customer Relationship Management

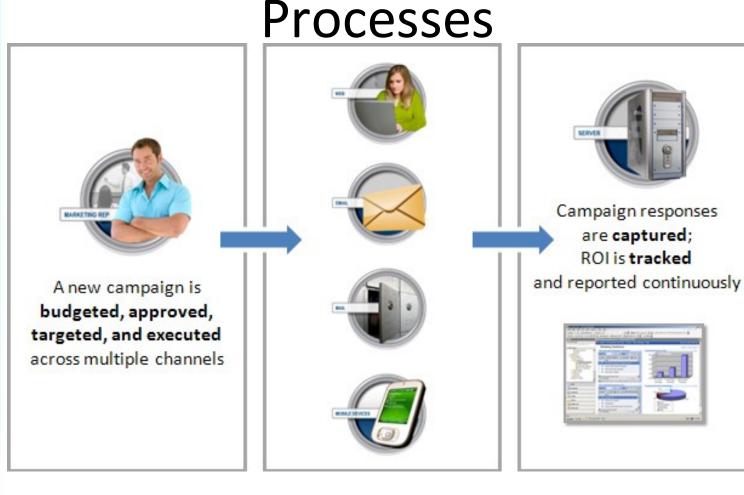
Analytical CRM is a subset of CRM in which data is collected by a company about their customer interactions, and analyzed with the goal of increasing customer satisfaction and their customer retention rate.

Analytical CRM is a behind-the-scenes process; the customer is not aware that his or her actions and interactions with the company are being captured and analyzed.





Example of Analytical CRM Processes

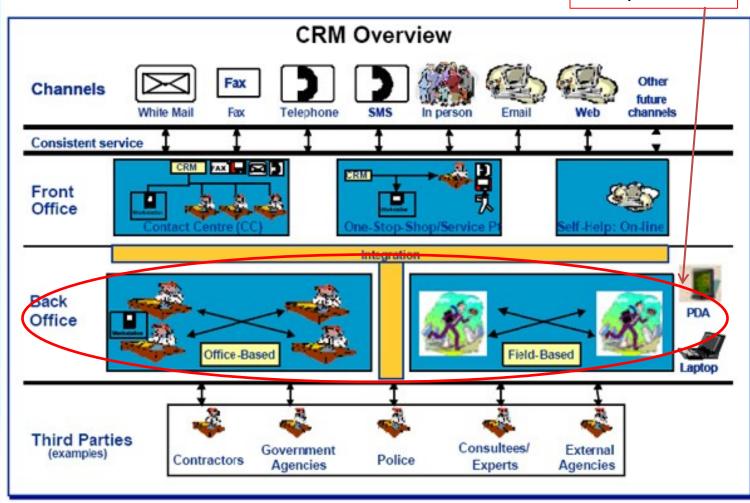






CRM Structure

Analytical CRM







Analytical CRM Applications







Analytical CRM

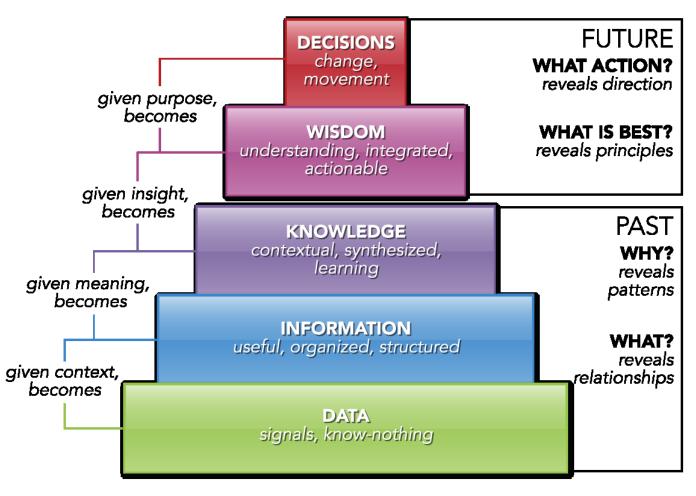
Definition:

Analytical CRM is the part of Customer Relationship Management that aims at storing, analyzing and applying the knowledge about customers and about ways to approach customers, typically using databases, statistical tools, data mining, machine learning, Business Intelligence and reporting methodologies.





Difference between Data, Information, Knowledge, Wisdom + Prediction



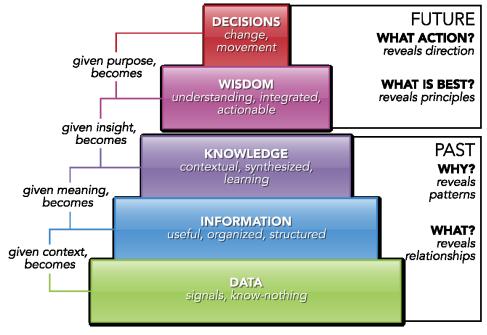




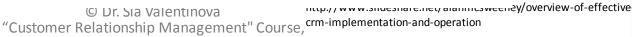
Difference between Data, Information, Knowledge, Wisdom + Prediction

Example: Avg. Number of checked resources in Internet before making a decision for purchase:

- 8-10 for non-technology products
- 9-14 for technology products











Analytical Customer Relationship Management

The basic kinds of data used in the analysis process in Analytical CRM are:

- Marketing data: customer response rates to marketing campaigns, customer satisfaction data and retention data, etc.
- Sales data: purchase and return history, brand/product preferences, etc.
- Financial data: payment and credit history, including payment type, credit scores, etc.





Data examples for Analytical CRM

Analytical CRM uses the Customer data that is accumulated from the work of the Operational CRM.



1) Basic personal data such as: customer name, company name, geographical data (nationality, city, etc.), demographical data (age, gender, etc.), company data (name of the company, business unit, business department, address, email, phone, fax, etc.), etc.

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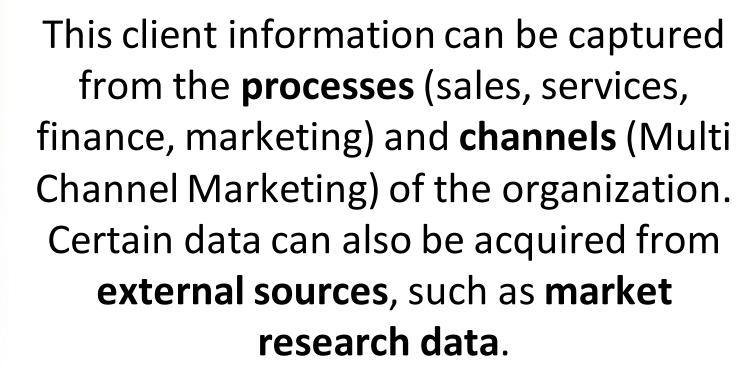
Data examples for Analytical CRM

- 2) More **sophisticated client knowledge** such as:
 - Client value (annual revenue, profitability)
 - Transactions (product description, revenue, profit, payment method, payment behavior)
 - Internet communication (IP-address, entry page, click stream, visit length)
 - Telephone communication (call center report data, sales calls)
 - Other communications (mailings, response)
 - Customer satisfaction (with product, service, company)





Data sources for Analytical CRM







Application of the Available Data in Analytical CRM

REPORTING "Asking What Happened"	ANALYZING "Asking Why It Happened"	PREDICTING "Asking What Will Happen"
What is the total revenue by customer?	Why did sales not meet forecasts?	What customers are at risk of leaving?
How many units did we manufacture?	Why was production so low?	What products will the customer buy?
Where did we sell the most products?	Why did we not sell as many units as last year?	Who are the best candidates for a mailing?
What were total sales by product?	Who are our customers?	What is the best way to reach the customer?
How many customers did we serve?	Why was customer revenue so high?	What is the lifetime profitability of a customer?
What are our inventory levels?	Why are inventory levels so low?	What transactions might be fradulent?





Analytical CRM

After the client data is collected and stored, the actual analysis can take place. The analysis process is made of four steps.





Steps in making CRM Analysis

The four basic steps in CRM Analysis are:

- 1) Problem formulation. What do we want to know. Is answering the question relevant and possible (technically, financially and organizationally).
- 2) Preparation of data
- 3) Definitive analysis (statistical methods, data mining, machine learning, etc.)
- 4) Visualization of the results







Definitiv e Analysis

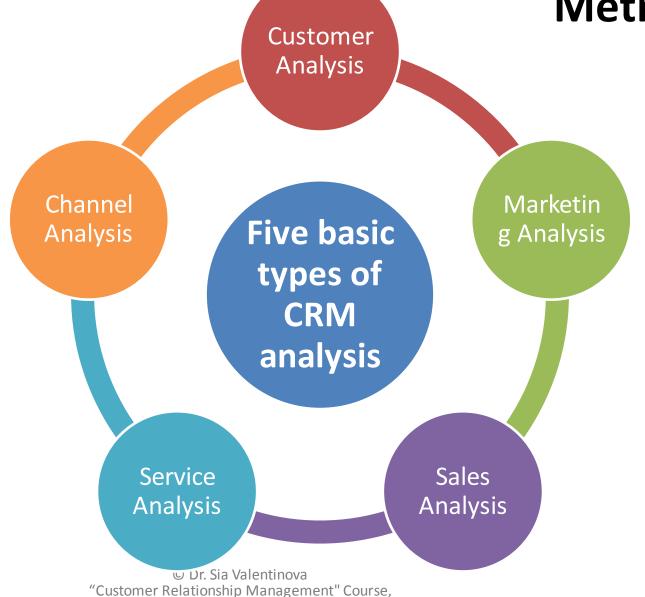


Visualisa tion





Five Basic Types of CRM Analysis and Metrics



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Five basic types of CRM analysis

1) Customer Analysis

This is the base analytics used to analyze customer knowledge base. It provides a better view of customer behavior and by modeling, assessing customer values and assessing customer's portfolio or profiles and creates an exact understanding of all the customers.





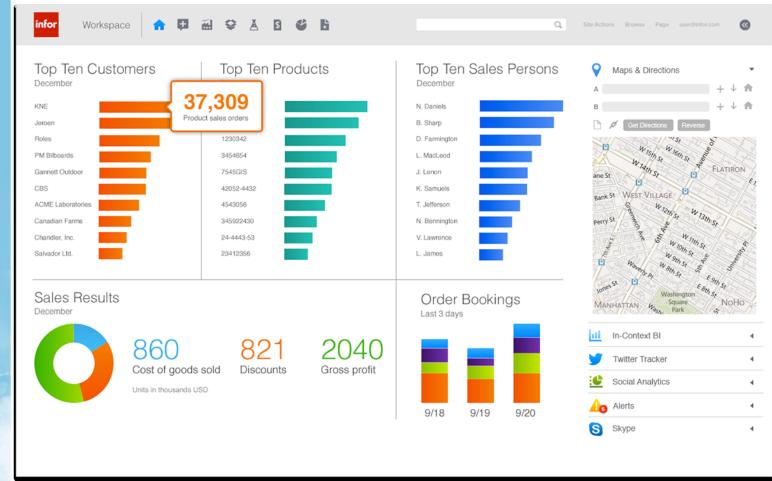
1) Customer Analysis Metrics (examples)

- Total number of customers per region for a specific period
- Number of customers in a specific age range per regions
- Total revenue per customer
- Top age groups with most valuable customers
- Number of customers of a specific gender per age groups
- Identifying most valuable customers
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Examples of Analytical CRM visualisation







Five basic types of CRM analysis

2) Marketing Analytics

This helps discovering **new market** opportunities and seeks their potential values. It also helps in managing marketing strategies and scale and plan marketing performance at district, regional and national levels. Marketing analytics also focus on campaign management and planning, product analysis and branding.



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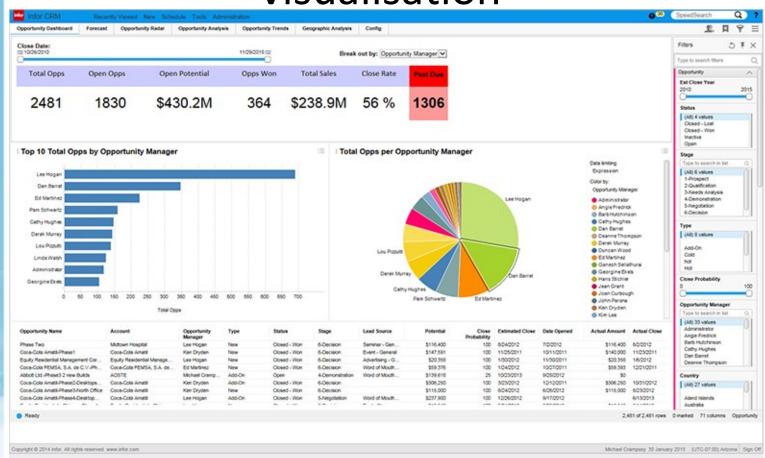
2) Marketing Analytics Metrics (examples)

- Number of website visitors (Google Analytics)
- Number of visitors per pages
- Number of subscribers to a blog (sign-up)
- Number of responders to an advert
- Number of confirmed attendees to a webinar (sign-up stats)
- Footfall through a retail shop (count of people who entered the shop)
- Visitors churn rate
- Number of Trade show registrations (sign-up stats)
- Etc. "Customer Relationship Management" Course, MAMK University of Applied Sciences, Finland





Examples of Analytical CRM visualisation





http://www.insalescrmsolutions.com/analytics-and-reporting/



Five basic types of CRM analysis

3) Sales Analytics

Sales analytics provides essential environment to planning, simulation and prediction of sales volumes and profits by constantly analyzing organizational sales behavior. It helps in pipelining all the selling opportunities in an efficient way by improving the sales cycle.

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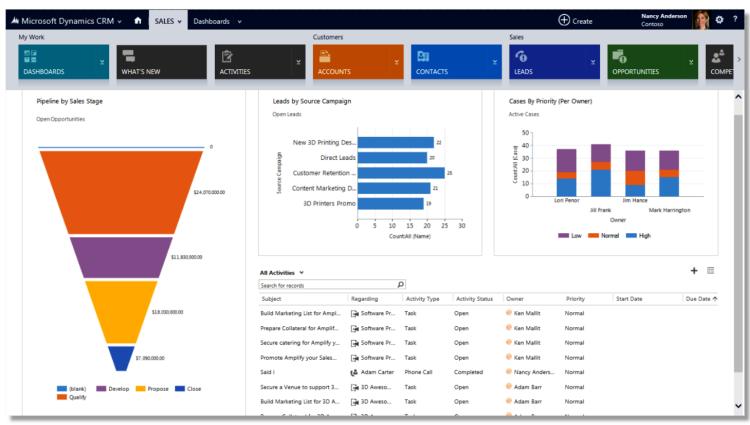
3) Sales Analytics Metrics (examples)

- Total number of leads (generated)
- Generated leads to qualified leads ratio (shows quality of generated leads per channel for example)
- Quote to close ratio (ratio of the offers with a specific price that have ended with a sale, shows best prices tactics)
- Generated leads to close ratio (shows the overall effectiveness of the sales department)
- Lifetime Value of the Customer (LTV)
 LTV Starbucks Example Infographic:
- © Dr. Sia Valentinova https://blog.kissmetrics.com/how-to"Customer Relationship Management" course,
 MAMK University of Applied Sciences, calculate-lifetime-value/?wide=1





Example – Microsoft Dynamics CRM Dashboard view





blank-qualify-develop-propose-close leads

http://www.turnkeytec.com/wp-content/uploads/2014/04/CRM-2013-© Dr. Sia Valentinova Dashboard.png "Customer Relationship Management" Course, MAMK University of Applied Sciences, Finland





Five basic types of CRM analysis

4) Service Analytics

Analytical CRM has major role in enhancing the services which answering all the questions regarding customer satisfaction, quality and cost of products, complaint management etc. It even helps in improving and optimizing the services by sophistically analyzing the service revenue and cost.





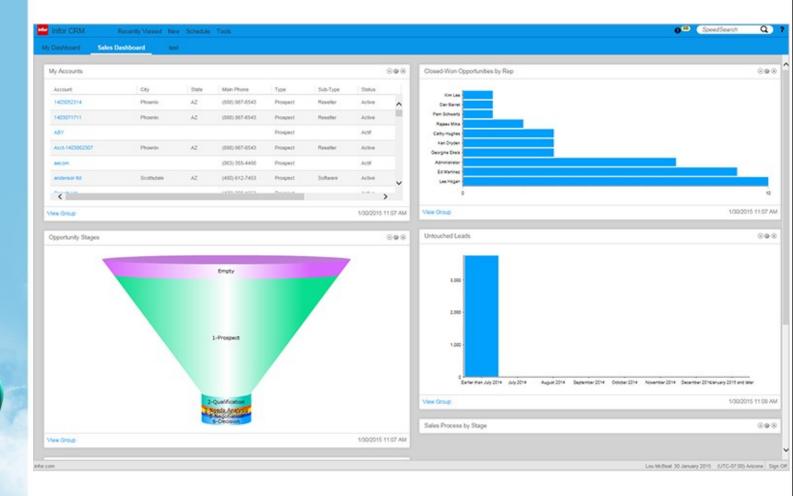
4) Service Analytics Metrics (examples)

- Number of customer contacted service department for a specific period of time
- Number of customers per case type
- Average level of customer satisfaction
- First Call Resolution (FCR) (percent of cases resolved in first call by service representatives)
- Direct Customer Feedback per product or per advert/commercial/etc.
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Examples of Analytical CRM visualisation







Five basic types of CRM analysis

5) Channel Analytics

This type of analysis helps to determine the customer behaviour on channel preferences, like web channel, personal interaction, telephone channel, etc. This information is efficiently integrated in customers' knowledge base so that they can be contacted accordingly.





5) Channel Analytics Metrics (Examples)

- Preferred channels from customers per specific age group/location
- Most visited channels by customers per product category
- Most profitable channels
- Channels with highest lead generation
- Most cost effective channels per lead generation
- Most efficient channel for closing sales
- Number of qualified leads per channel
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Usage Of Analytical CRM

- Optimize marketing effectiveness
- Customer acquisition, cross-selling, upselling, retention, etc.
- Analysis of customer behaviour to aid product and service decision making (e.g. pricing, new product development)
- Management decisions, e.g. financial forecasting and customer profitability analysis
- Prediction of the probability of customer defection (churn)





Applications of the Available Data in Analytical CRM

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Channels

Questions (team work) What type of questions would you like to answer

using Analytical CRM (What would you like to know from the view point of the manager) in directions: Customers, Marketing, Sales, Service and Channels: Team 1,3,5 – for your Chain of Pharmacy retailer stores in your country.

Team 2,4,6 – for a Chain of Retailer stores for Boats or Fishing Equipment in your country.

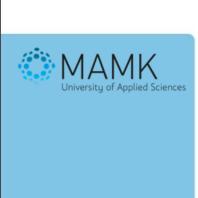
Analytics of Customer Service in:	What information would you like to answer using Analytical CRM ? REPORTS	What information would you like to answer using Analytical CRM? - ANALYSES (Why & How)	OICTIONS
Customers			PRE
Marketing			+
Sales			onal
Service and Support			Opti



Analytical CRM

In Analytical CRM analyzing and applying the knowledge about customers and about the ways to approach customers, is done typically using databases, statistical tools, data mining, machine learning, Business Intelligence and reporting methodologies.

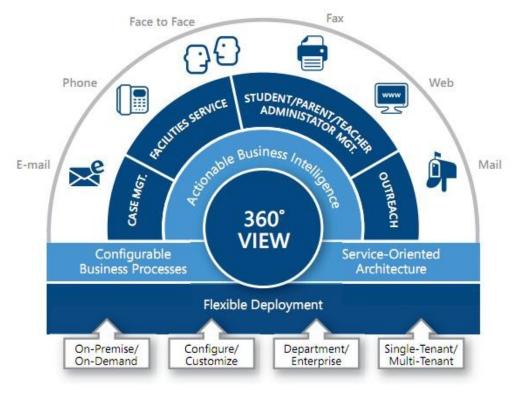




Microsoft Dynamics CRM

Further insight into CRM Metrics and KPIs is part of our work with Microsoft Dynamics CRM Software in April.

Microsoft Dynamics CRM



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1. Ratio of sales qualified leads to leads

Ratio of sales qualified leads to leads calculation:

(number of qualified leads over the same period of time)

= ------ * 100

(Number of leads over a period of time)

This will give you a sales qualified leads to leads ratio as a percentage.

For example, if you generated 250 qualified leads from 1000 leads, your leads to sales qualified leads would be 25%. That means you can expect 25% of your total leads to become qualified (or 25 out of every 100

© Dr. Sia Valentinova http://blog.pipelinersales.com/sales-pipeline-management/sales-pipeline-five "Customer Relationship Managementbusinessemust-consider/ MAMK University of Applied Sciences, Finland"







- 1. Ratio of sales qualified leads to leads This metric helps determining:
- Which lead generation strategies are working?
- Whether your strategies are bringing on the right type of customers?
- Which lead generation tactics are wasting your time?
- Whether your marketing is encouraging suitable prospects to contact you?





1. Ratio of sales qualified leads to leads In addition, if you know how many leads qualify (on average), you'll be able to predict how many leads you need to generate to have enough people into the next stage of your sales pipeline.





2. Quote to close ratio

Quote to closure ratio measures the number of formal quotes given that have translated into an actual sale. This metric enables you to get a feel for the impact that price has on your sales funnel.

(Number of successfully closed sales over the same period of time)

= -----*100

(Number of quotes over a period of time)

* a Quote is a formal offer to a Customer for your products and services at a specified price.





Analytical CRM Metrics (Examples of Calculations and Their Meaning) 3. Leads to close ratio

(Number of successfully closed sales over the same period of time)

= ------*100(Number of sales leads over a period of time)



This metric helps you to get clear on where you need to spend your time and your money to generate the best possible conversion rate. If you drill down deeper into this metric, you should be able to get a feel for which geographical areas (if relevant) are most profitable, which marketing strategies work best and whether you need to focus on generating new leads or nurturing existing customers and prospects within your pipeline.

"Customer Relationship Management five kpissevery-business-must-consider/
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3. Leads to close ratio

This metric is an indicator of your overall sales efficiency, because it is a measure of the number of leads that convert into an actual sale.

This ratio will vary significantly depending on whether you take generated leads or qualified leads, qualified leads will always give a higher figure.





4. Lifetime Value of the Customer (LTV)

This metric shows the projected revenues a customer will generate during their lifetime. It is calculated in different ways, for the different types of businesses and by software applications. **Example – Starbucks using:**

- Customer Expenditures per visit
- Number of visits per week
- Avg. customer value per week (Expenditures x Visits), etc.

*LTV Infograph for Starbucks example:

https://blog.kissmetrics.com/how-to-calculate-lifetime-

value/?wide=1



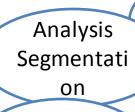


Metrics in Analytical CRM

There are hundreds of metrics, which can be used in Analytical CRM. A deeper dive in the metrics and in the metrics principles used in CRM is part of our work with Microsoft Dynamics CRM. An example of some additional metrics is given in an additional file in Moodle.







Analysis Customer **Behaviour**

Analysis Customer Response

Analysis Customer Search

Analysis Campaign **Expenses**

> **Analysis** Clients Reached

> > Analysis -Customer

* Run Campaigns

* Generate Leads

* Form a Database

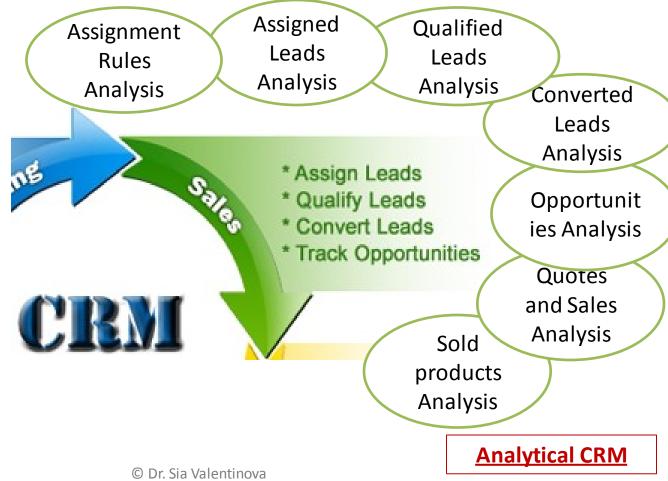




Analytical CRM

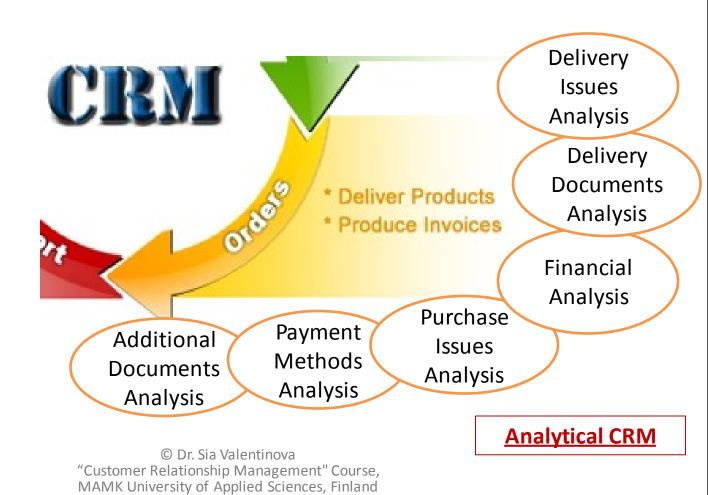
























Analytical CRM







3. Which of the following is true about Analytical CRM?

a) The customers interactions and operations with the company are the primary goal of analytical CRM



 The customer's interactions with the customer service representative of the company are not recorded and analyzed



The customer is not aware of data that is collected since data is collected in the background without the customer's knowledge



d) The customer is interviewed to gather data only about his opinions of the product







Analytical CRM Q&A

4. What kind of data is analyzed by analytical CRM?

- Analytical CRM analyzes only customer support data as the customer interacts with the company
- X

b) Analytical CRM analyzes only profit and loss data of the company



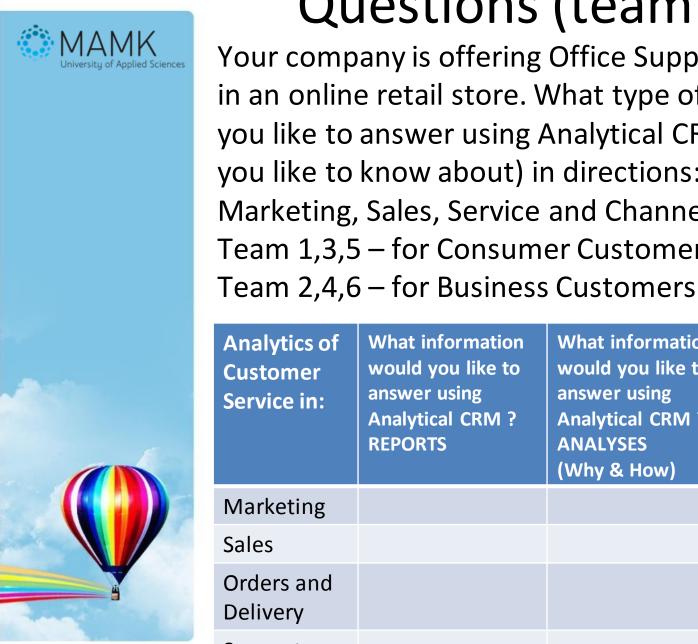
c) Analytical CRM analyzes only the amount of money spent by the company on direct marketing



d) Analytical CRM analyzes customer sales data, financial data and marketing data







Questions (team work)

Your company is offering Office Supplies and Materials in an online retail store. What type of questions would you like to answer using Analytical CRM (What would you like to know about) in directions: Customers, Marketing, Sales, Service and Channels? Team 1,3,5 – for Consumer Customers

Analytics of Customer Service in:	What information would you like to answer using Analytical CRM? REPORTS	What information would you like to answer using Analytical CRM? - ANALYSES (Why & How)	What information would you like to answer using Analytical CRM? - PREDICTION
Marketing			
Sales			
Orders and Delivery			
Support			



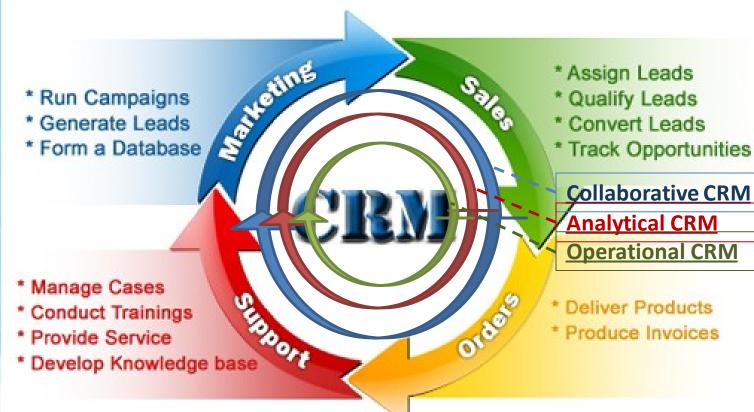
Customer Relationship Management – Types of CRM







Customer Relationship Management – Types of CRM







Customer Relationship Management – Types of CRM







Collaborative CRM

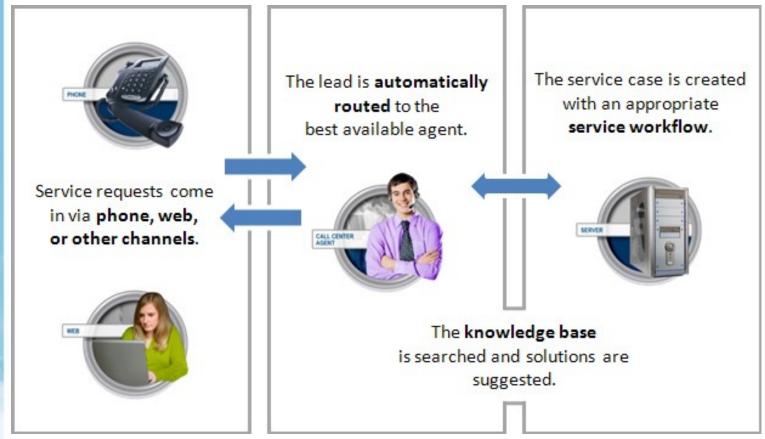
Definition:

Collaborative CRM is subset of CRM in which the various departments of a company, such as sales, technical support, and marketing, share any information they collect from interactions with customers with all departments in the company and sometimes even with partners, suppliers, etc. aiming improvement of the process and customer service of the company.





Example of Collaborative CRM Processes







Collaborative CRM

Basic **departments** providing data **to all other department** in the company and sometimes partners, etc., are:

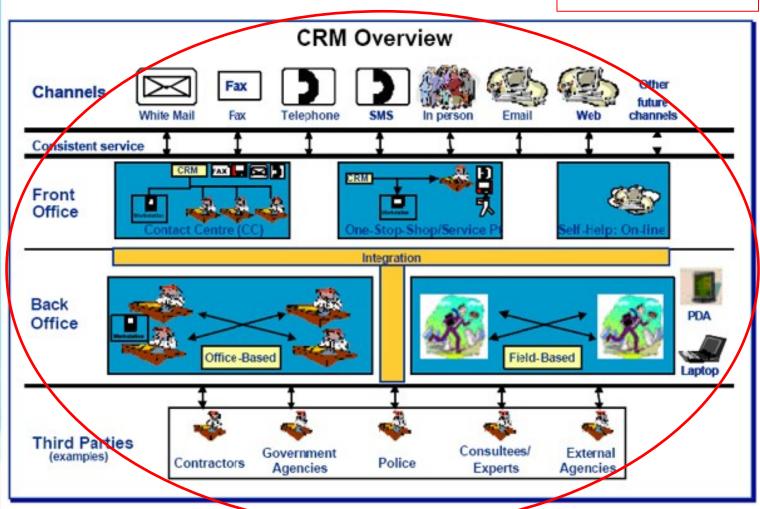
- Marketing Department
- Sales Department
- Technical Support Department
- Customer Service Department





CRM Structure

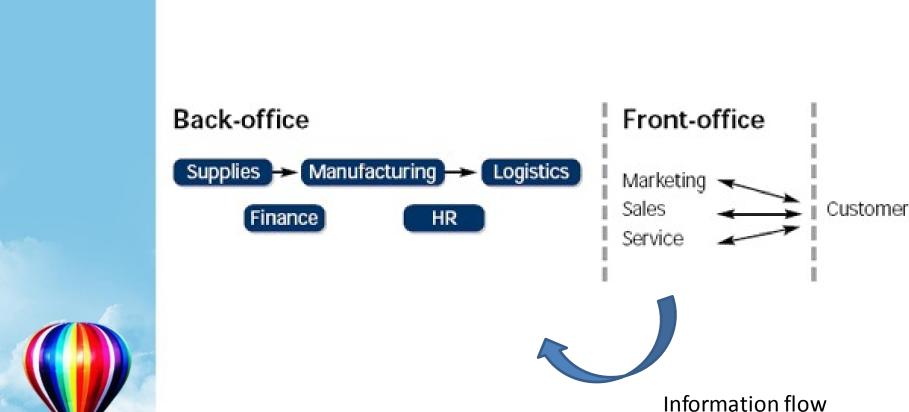
Collaborative CRM







Traditional CRM Structure





http://jisc.cetis.ac.uk/crm-tools/what-is-crm.html



Example of Collaborative CRM activities

Example: Customer feedback gathered from a customer support session could inform marketing staff about products and services that might be of interest to the customer, or the most frequent problems customer have.



The purpose of collaboration is to improve the quality of customer service, to improve the internal processes in the company, and, as a result, increase customer satisfaction and loyalty.



Collaborative CRM Brings Teams Together



Collaborative CRM Creates an Information Advantage



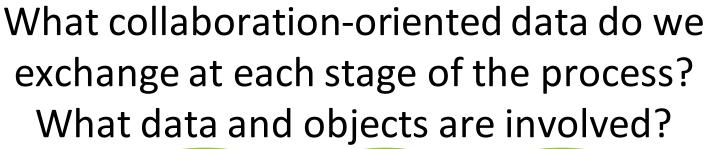






Collaborative CRM



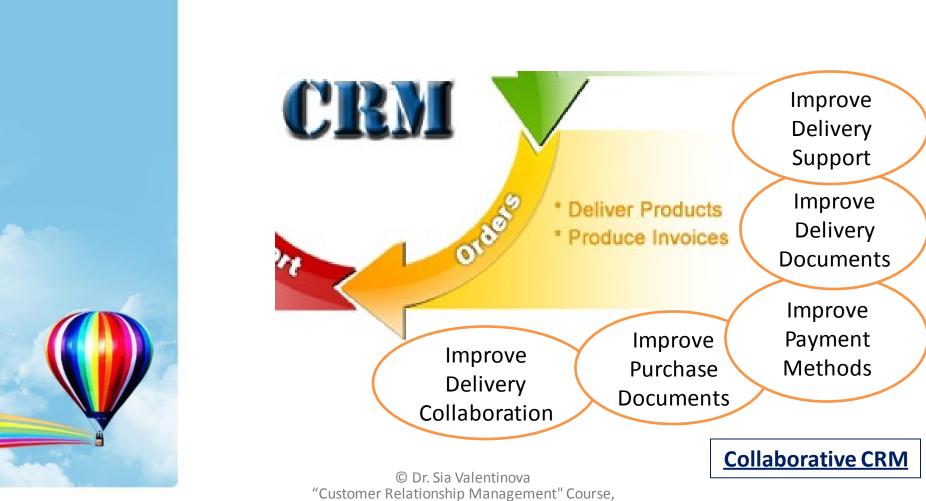






Collaborative CRM





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Collaborative CRM







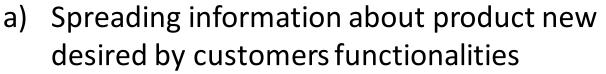
Collaborative CRM





Collaborative CRM Q&A

5. Which of the following is <u>not</u> an activity included in the Collaborative CRM?





b) Exchanging information about products most frequent technical/other problems



c) Exchanging information with department Human Resources about most-successful sales representatives



d) Exchange of information for a production defective product with the customer







CRM Q&A

6. What is the purpose of CRM?

 a) To analyze the amount of time a customer spends on a company's website



b) To improve the services provided by the company to the customer



c) To increase the net profit of the company



d) To decrease the number of return items made by the customer







Questions (team work)
Your company is offering online Software in a retail
store. What changes in the departments of your
company could you do in order to improve your work, be
more successful and reach a higher customer
satisfaction and better customer service based on

Team 1,3,5 – for Business customers

Team 2,4,6 – for Consumer customers

Improvement of internal processes and product or service	What changes could be made to improve the work and customer satisfaction of the specific department?
Marketing dept.	

Sales dept.

Collaborative CRM:

Service and Support dept.

New Products Research and Development dept.

Production / Manufacturing dept.

Human Resources department

Financial and Accounting dept.



Q&A Time



Thank you! Благодаря! (in Bulgarian)



