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**BusinessConnect and SolutionsConnect**

It's time to make bold moves.

**DELVE INTO DATA**

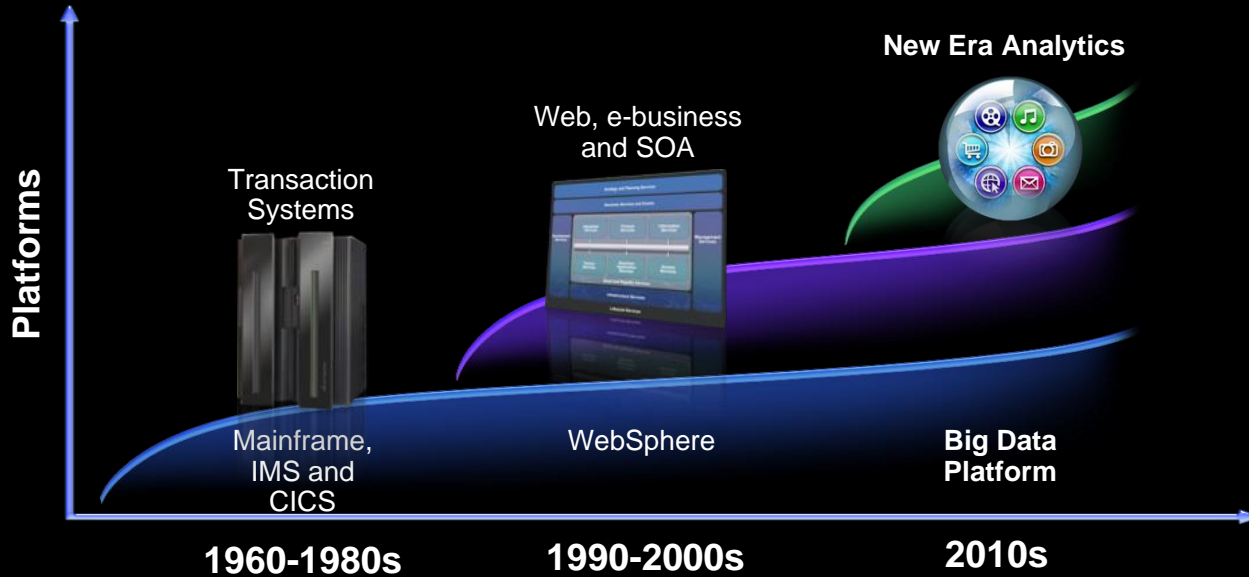
**Realising value from customer  
sentiment and behaviour**

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IBM is evolving a new type of IT platform centered on delivering the value from big data



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**Disruptive forces impact long standing business models  
across industries**



**Pressure to do more  
with less**



**Shift of power to the  
consumer**



**Proliferation of big  
data**

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## The demand for big data solutions is real



The **healthcare industry** loses \$250 - \$300 billion on healthcare fraud, per year. In the US this is a \$650 million per day problem.<sup>1</sup>



One rogue trader at a leading global **financial services** firm created \$2 billion worth of losses, almost bankrupting the company.



\$93 billion in total sales is missed each year because **retailers** don't have the right products in stock to meet customer demand.



5 billion global subscribers in the **telco industry** are demanding unique and personalized offerings that match their individual lifestyles.<sup>2</sup>

Source: 1. Harvard, *Harvard Business Review*, April 2010.  
2. IBM Institute for Business Value, *The Global CFO Study*, 2010.

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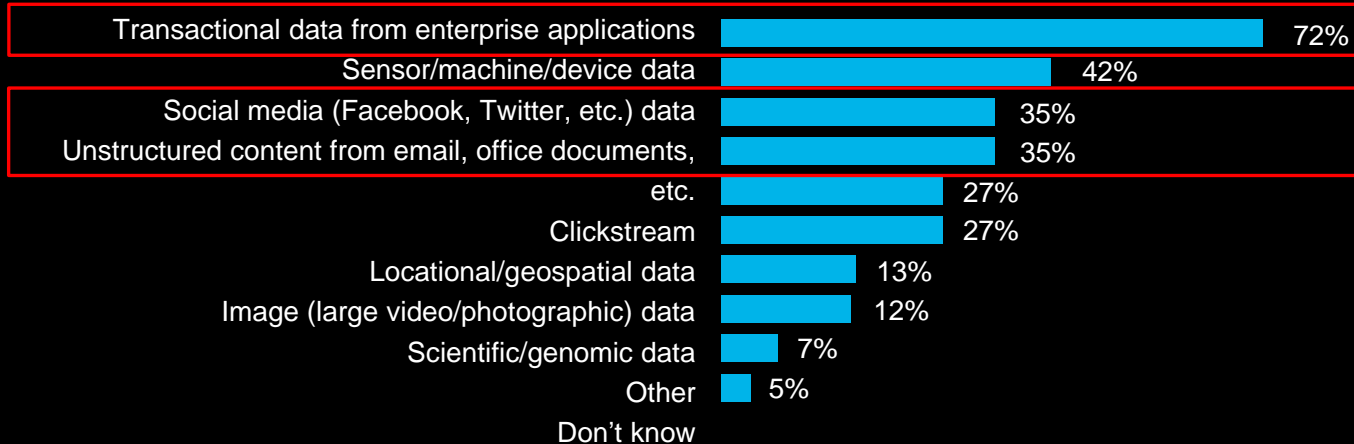
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## The key is to leverage all the data



### Big data: across diverse subject domains

*“What types of data/records are you planning to analyze using big data technologies?”*



Source: June 2011 Global Big Data Online Survey

**Base: 60 IT Professionals**  
*(Multiple responses accepted)*

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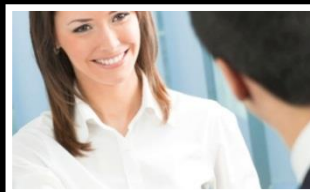
## Enhanced 360° View of the Customer



Extend existing customer views (MDM, CRM, etc.) by incorporating additional internal and external information sources



Need a deeper understanding of customer **sentiment** from both internal and external sources



Desire to increase customer loyalty and satisfaction by understanding what meaningful actions are needed



Challenged getting the right information to the right people to provide customers what they need to solve problems, cross-sell & up-sell

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- Do you struggle to understand your customers?



- Do your customer-facing professionals struggle to get the information they need?



- Do they struggle to find the next question to up-sell, cross-sell and engage?



- Are you looking for ways to improve the customer's experience, increase customer loyalty, increase lifetime value, and receive referrals to new customers?

- Is your customer data scattered among many different systems, inside and outside the enterprise?



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What if you could turn all of these challenges to your advantage?



## Greater customer intimacy

- ✓ Know what customers want, why they buy, why they switch and what will keep them engaged and in the fold.



## Better use of information at the point of impact

- ✓ Solve customer issues quickly and move on to revenue-generating conversations



## Greater customer lifetime value

- ✓ Retain customers, enabling up-sell and cross-sell opportunities, rather losing them to the competition

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# A customer is a puzzle made up of many pieces



## Contact Information

Name, address, employer, marital...



## Business Context

Account number, customer type, purchase history, ...



## Social Media

Social network, affiliations, network ...



## Legal/Financial Life

Property, credit rating, vehicles

Every interaction requires someone to piece together parts of the puzzle



## Leisure

Hobbies, interests ...



## Professional Life

Employers, professional groups, certifications ...

Information about your customers is dispersed, forcing your employees to extract it piece-by-piece

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## Individual silos can answer typical questions, one-by-one



... but an enhanced 360° view provides answers in one application



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## Individual silos can answer typical questions, one-by-one



What products can I upsell this customer?

What impact will inventory have on her?

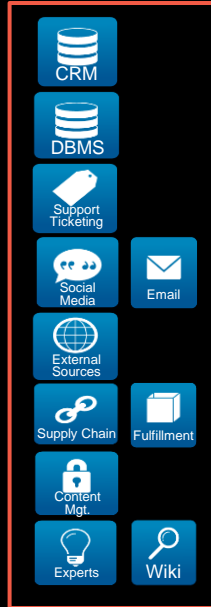
What marketing materials should I send?

What should I know before calling her for renewal?

What's going on with this customer TODAY?

How can we increase engagement with her?

How can we get more customers like her?



Fusion of data from multiple systems enables deeper insights—not just facts



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**Product offers based on past conversations**

**Consolidated list of products owned based on account affiliation**

**List of past purchases by this contact from order tracking system**

**Contact information from CRM**

**Accounts associated with contact (past and present) based on info in CRM**

**Real-time activity feed shows new content from many sources (DBMS, Salesforce, SAP)**

**Information about contact from external sources such as LinkedIn**

**Recent conversations from multiple sources: e.g., CRM, e-mail, etc.**

**Personal Information**

**Janet Robertson**  
Distributor / Purchasing Agent  
Department: Purchasing  
Office: Syracuse, NY  
jrobertson@golisano.com  
315.555.1212 x555

**Stop Tracking**

**Associated Accounts**

- Golisano-Update
- Golisano-Strong
- Strong Memorial

**Purchase History**

Date	Amount	Product
2011-04	23k	845 Integrated Wall System
2011-01	25k	Pennex Integrated Wall System

**Linkedin History**

Golisano Children's Hospital  
Title: Distributor / Purchasing Agent  
Years worked: Nov 2006 - Present

Golisano Children's Hospital  
Title: Purchasing Agent  
Years worked: May 2000 - Nov 2006

**Chelle Krull added the email address jrobertson@golisano.com to contact Janet Robertson.**  
Salesforce - 2 days ago

**Email: 845 Integrated Wall System Overview**  
Janet, please find an overview of the integrated wall systems that we offer! This is only a high level...  
Exchange - 3 hours ago

**Notes: Janet is new to the Transplant group, but has been a purchasing agent for 10 years. New to the 845 Series.**  
Salesforce - 2 days ago

**Title: Kk Smith Introduction**  
Welcome Janet to Pediatrics at Golisano. I wanted to introduce myself...  
Salesforce - 2 days ago

**Email: Team, I just spoke to Golisano and Jeffrey Singleton has left Janet Robertson is replacing him and I will...**  
Exchange - 3 days ago

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The screenshot shows the IBM Big Data Platform interface for 'BIG OUTDOORS'. The interface includes a navigation bar with 'Home', 'Retailers', 'Products', 'Users', and 'Spaces'. The main content area is divided into several sections:

- My Products:** Lists items like 'Canyon Mule Journey Backpack', 'Course Pro Golf Bag', 'Course Pro Golf and Tee Set', and 'Hailstorm Steel Woods Set'.
- Featured Marketing Campaigns:** Displays details for 'Canyon Mule Journey' and 'Hailstorm Steel Woods Set'.
- Competitor News:** Shows news items such as 'TaylorMade Ghost Spider S Putter' and 'Frank Gelato removed supplier report'.
- My Activity Feed:** A social feed with a search filter and posts from users like James and Eric Carson.
- Sales vs. Campaign Performance:** A bar and line chart showing 'Sales (Units)' and 'Campaign Performance (Emails)' from Sunday to Saturday. Callout: 'Customer alerts' points to the chart.
- Top Retailers by Revenue:** A list of retailers including 'Consumer Club', 'Algonquin Camping Supplies', 'The Sport Pros', 'Jackson Sporting Goods', and 'Barry's Discount Golf Shop'.
- Intent to Buy:** A horizontal bar chart showing 'Tweets' for 'CANYON MULE', 'COURSE PRO', and 'HAILSTORM'. Callout: 'Social media analytics From streaming content' points to this chart.
- Recent Tweets:** A list of tweets from users like @SetNielsen, @lizmartin33, and @WandaWilliams. Callout: 'Contextual monitoring of customer views in outside data feeds' points to this section.

Additional callouts include 'Customer campaign analytics relevant to the user's profile' pointing to the 'Featured Marketing Campaigns' section and 'Customer insights from Activity Feed' pointing to the 'My Activity Feed' section.

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## Making each investor feel like they're #1

**Large brokerage and financial services firm**

Leading provider of workplace and individual retirement savings plans, mutual funds and other financial products for 20 million customers

Secure access to over 30 different silos to empower agents to engage high-value customers to promote up-selling and cross-selling

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## From challenges to opportunities



### Leading Medical Equipment Supplier

(Blinded for confidentiality)

A leading medical device manufacturer delivers detailed knowledge about customers and products to their contact center agents to enable better engagement and asking “one more question” to increase cross-selling.

### Business outcomes

- Increased revenue and decreased cost in the call center
- Increased customer satisfaction & employee engagement
- Created opportunities from each customer interaction - “one more question,” targeted to individual client situation

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## Important value pillars for the enhanced 360° view



Improve direct customer interactions

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Empower customer-facing professionals

Leverage existing data and knowledge

Create efficient, meaningful and profitable interactions

Increase quality and use of analytics

---

Enable use of information from multiple data sources

*Put analytics in context!*  
Integrate analytics with customer views to empower front-line employees

Improve Web-based self service

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Empower customers to leverage information

Leverage recommendations and  next best action  analytics

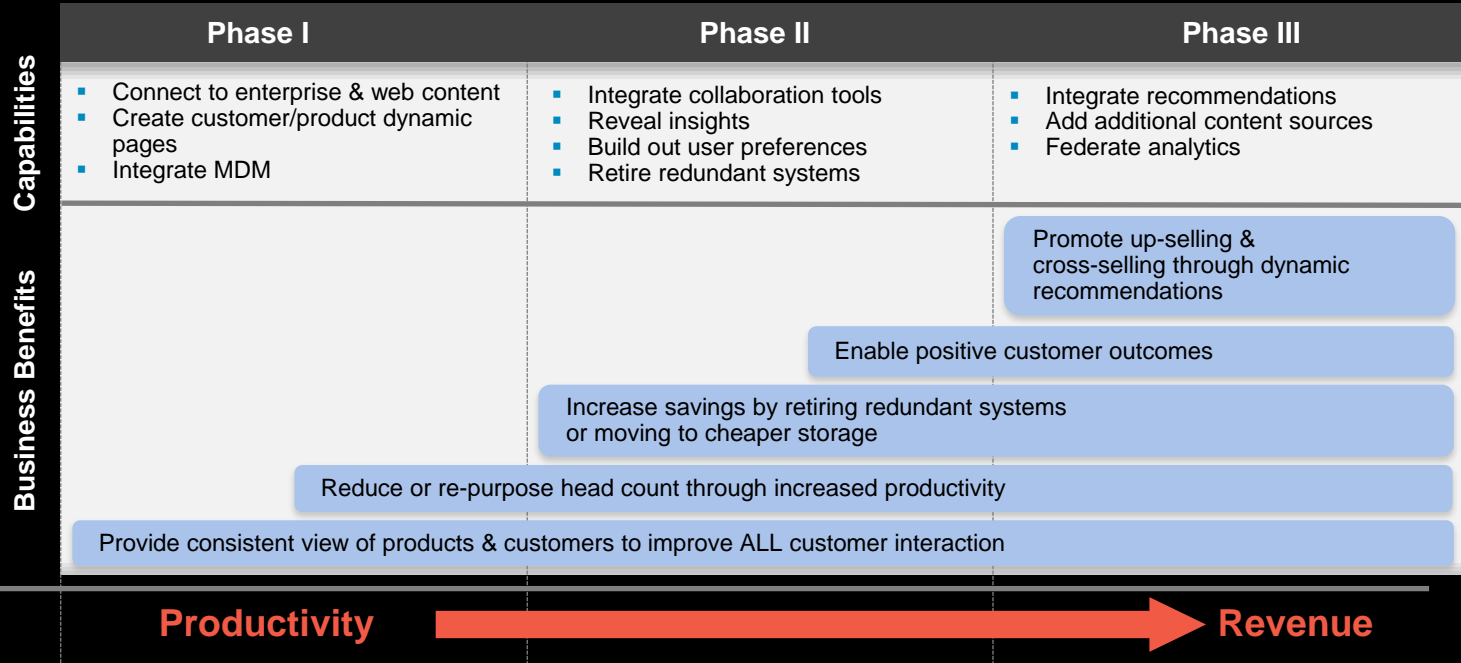
Reduce cost of routine interactions while improving customer loyalty

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## What is the path to ROI? Sample client progression



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## Gaining a complete view of customers is challenging but IBM has a portfolio of tools to help



### IBM Watson Explorer

- ✓ Find and navigate customer information regardless of format or where it is stored
- ✓ Present a unified view, combined with analytics



### InfoSphere Streams

- ✓ Continuous processing and analysis of fast-moving customer data
- ✓ Deliver immediate insights when needed for quick reaction



### InfoSphere BigInsights

- ✓ Enterprise-grade Hadoop
- ✓ Landing area for data
- ✓ Low-cost storage and processing power for the most challenging analytics



### PureData for Analytics & DB2

Analysis of operational customer data in real-time

Information Integration & Governance



- ✓ Ensure data consistency and accuracy

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## Watson Foundations - uniquely...



### Helps me discover fresh insights

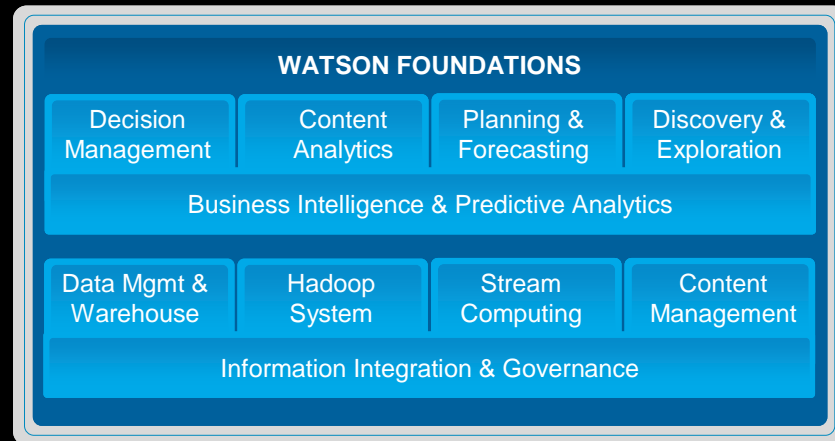
- Predictive and content analytics to uncover patterns not yet known
- Interactive exploration across all data

### Operates in a timely fashion

- Real-time analytics as data flows through an organization
- Enterprise-class Hadoop that runs 4x faster
- In-memory computing for speed of thought analytics

### Establishes trust so I can act with confidence

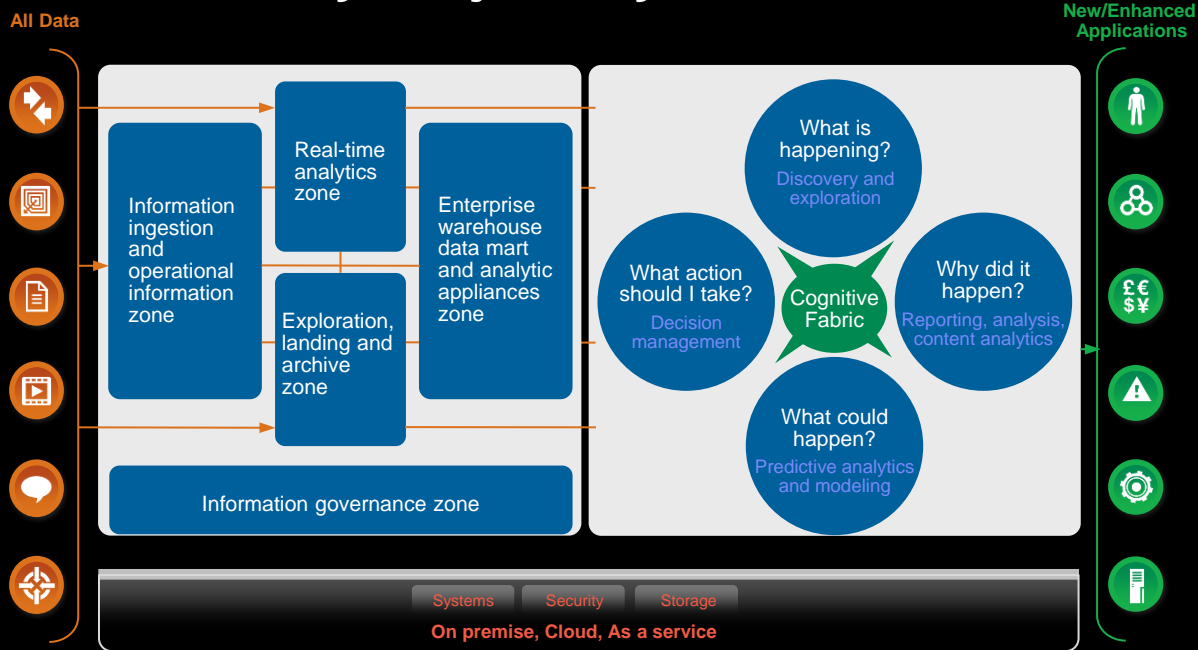
- Governance across complete data lifecycle including Hadoop
- Security and privacy with compliance
- Transparency and context to decision-making process



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# Capable of the entire analytics journey



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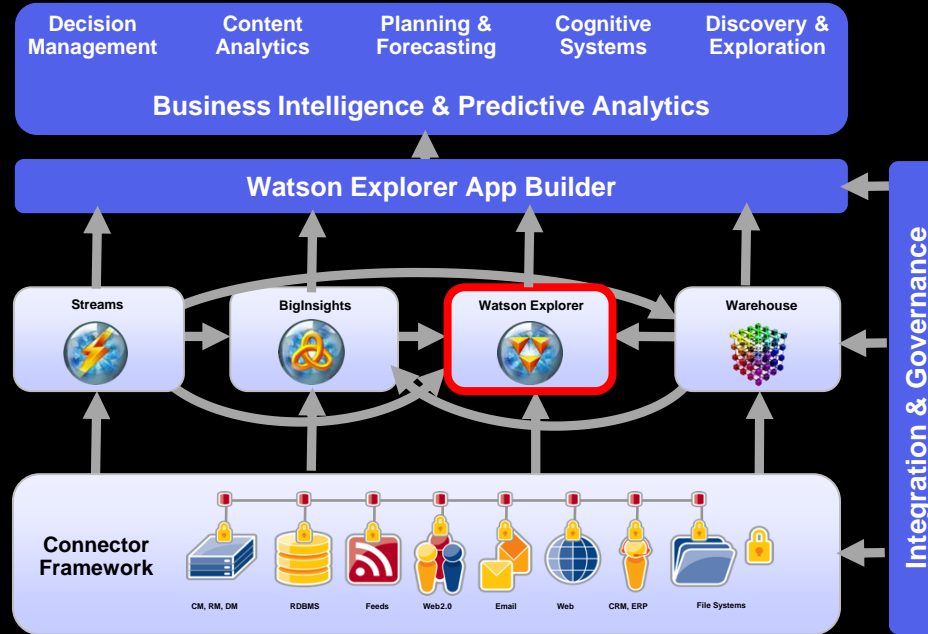


## Watson Foundations

Robust analytics capable of incorporating all data types and sources

IBM's Information & Governance ensures veracity

Secure access to a broad range of enterprise systems



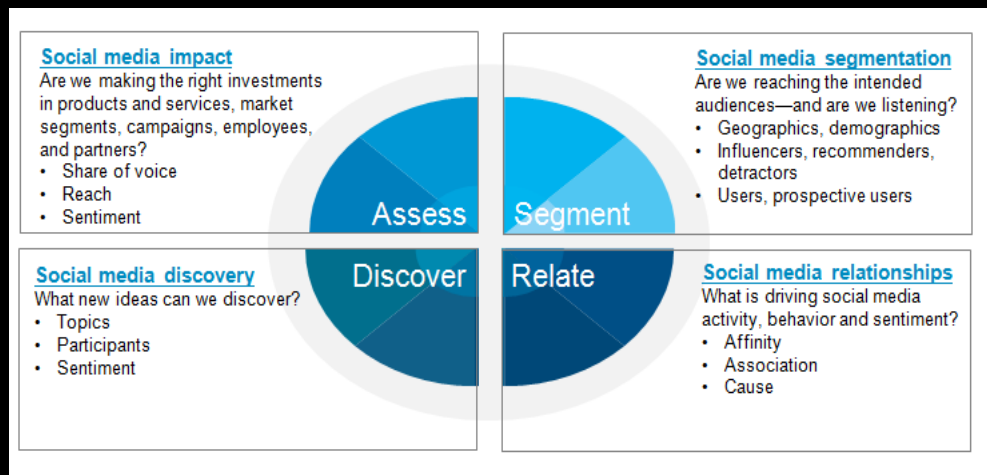
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## Social Media Analytics



- **Capture and Analyze** social media comments in dashboards
- **Understand and Act** with customer automation solutions
- **Segment and Predict** bringing repeatability to ongoing decision making

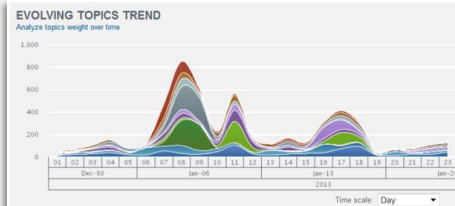


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# Social Media Analytics

Leverage Rich Information for Actionable Insights



Evolving Topics



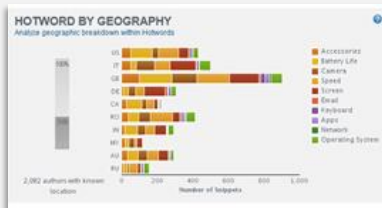
Demographics



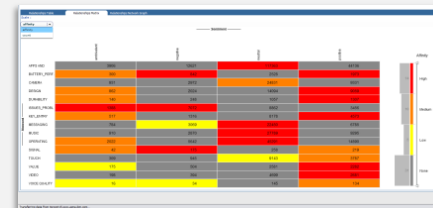
Influencer Scoring and Sentiment



Behavioral Analytics



Geographics



Affinity

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# BlueMix / IBM Cloud Marketplace



The screenshot shows the IBM Cloud Marketplace homepage. At the top, the navigation bar includes 'Overview', 'Marketplace' (which is active), 'Solutions', 'Learn', and 'Today in cloud'. The main content area features a large central banner with the text 'IBM Cloud marketplace Your gateway to cloud innovation' and a 'Sign up' link. Below this are three category tiles: 'Biz' (Enterprise-grade business apps), 'Dev' (Powerful services and APIs via an integrated cloud platform), and 'Ops' (Self-service IT infrastructure). At the bottom, there is a section titled 'Explore our featured solution topics from across the Biz, Dev and Ops portfolio' with six buttons: 'Solutions for Gaming', 'Solutions for DevOps', 'Solutions for Startups', 'Solutions for IT Management', 'Solutions for Mobile', and 'Solutions for Analytics'. A 'Browse products' dropdown menu is located at the bottom left, and a footer note explains how to use the menu and buttons.

IBM Cloud / marketplace

Overview **Marketplace** Solutions ▾ Learn Today in cloud

IBM Cloud marketplace  
Your gateway to cloud innovation

Explore hundreds of IBM and Business Partner services from across the cloud spectrum.  
[Sign up](#) to offer your cloud services in the marketplace today.

Enterprise-grade business apps to accelerate innovation (SaaS)  
**Biz**

Powerful services and APIs via an integrated cloud platform (PaaS)  
**Dev**

Self-service IT infrastructure configurable to your needs (IaaS)  
**Ops**

Explore our featured solution topics from across the Biz, Dev and Ops portfolio

Solutions for Gaming

Solutions for DevOps

Solutions for Startups

Solutions for IT Management

Solutions for Mobile

Solutions for Analytics

**Browse products** ▾

To browse our catalog, choose a category from the drop down menu, or sort by general topic with the buttons above.

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## Where to go from here - ask yourself these questions



When someone in your organization wants to view **all information** about a customer, product or competitor how do they go about it? *How many different systems do they need to access?*

Have you considered the impact on your business **of not providing** a single point of access for all customer-related business? Lost productivity? Opportunity cost?

Are you able to **weigh insights** about your customers from social media, surveys, support emails and call records **in context** with information from transactional systems?

How would a **complete view of the customer** enhance your line of business? Are there specific business outcomes you are looking for?

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# Get started on your big data journey today



## Get Educated

- IBM Big Data platform webpage
- IBM BigDataHub.com & AnalyticsZone.com
- Big Data University
- IBV study on big data
- Books / analyst papers

## Schedule a Small Group Workshop

- Free of charge
- Your location or ours
- Topics include: Big Data, Predictive Analytics and more!
- Industry use cases
- Hands on available



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**BusinessConnect and SolutionsConnect**  
It's time to make bold moves.

**THANK YOU**

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