

Decoding CAMS: **Cloud, Analytics, Mobile, & Social Technologies.**

A Discussion of the Implications for Enterprises and their Providers

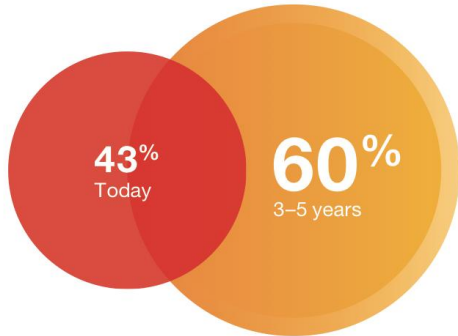
Steve Sheahan
Client Solutions Executive
IBM Global Business Services

IAOP Atlanta Chapter
4Q14 Meeting

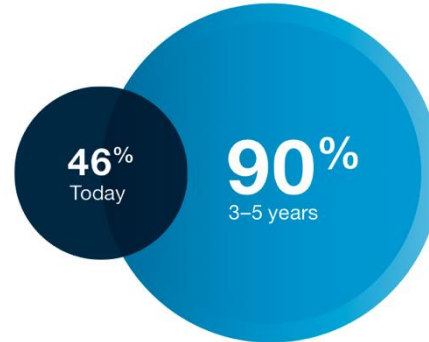


C-Suite Executives are embracing a: Customer Activated Enterprise

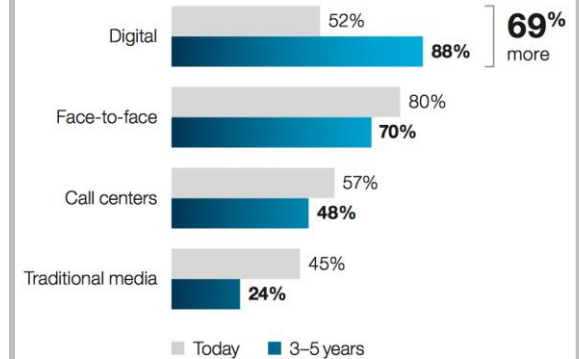
Rising profile: The area in which CEOs expect to see customer influence grow most is business strategy development



Strong links: CxOs plan to collaborate much more extensively with customers



Changing channels: CxOs intend to interact digitally with customers to a much greater extent in the future



Cloud...

Defining the Cloud

- Cloud computing is a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.”
- **5 Characteristics** - on demand self-service; ubiquitous network access; resource pooling; rapid elasticity; measured service

We are at the inflection point in the industry...

Systems of Record

- Data & Transactions
- App Infrastructure
- Virtualized Resources

Next Generation Architectures

New Modes of Engagement

- Expanding Interface Modalities
- Big Data and Analytics
- Social Networking

Data & Transaction Integrity

Smarter Devices & Assets

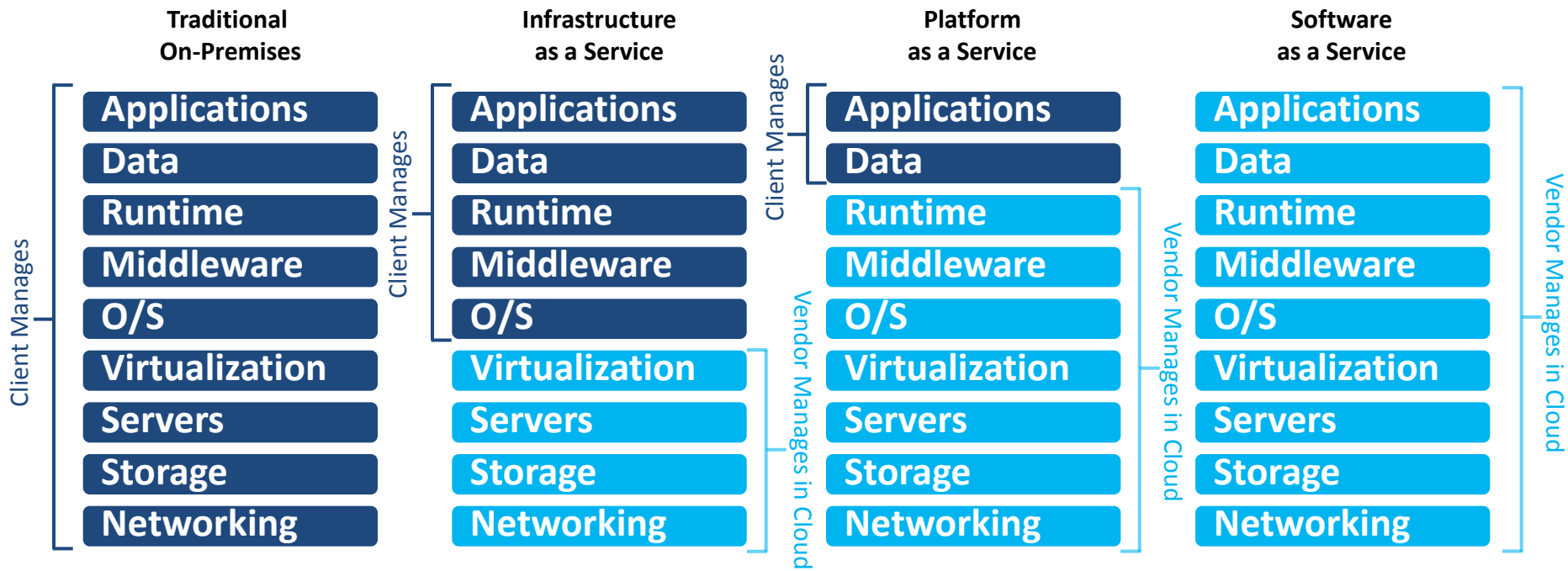
Focus on Operational Costs



Focus on Speed and Agility



Cloud service models



Customization; higher costs; slower time to value

Standardization; lower costs; faster time to value

10 predictions on how Cloud will impact this industry in 2014



The Cloud is no longer an “if” for many businesses it is a given.



- Further segmentation , Greater Education
- Human resources and Marketing take charge of Tech Innovation
- The CIO becomes a Cloud Enabler
- Small Companies have access to Big software
- Shift to application centric software development
- It Increasingly Decentralizes
- The Cloud drives Software on Tap
- Providers Add Gravity to the Cloud
- The Cloud Gets Intelligent
- Machine-to-Machine (M2M) Comes Into Its Own

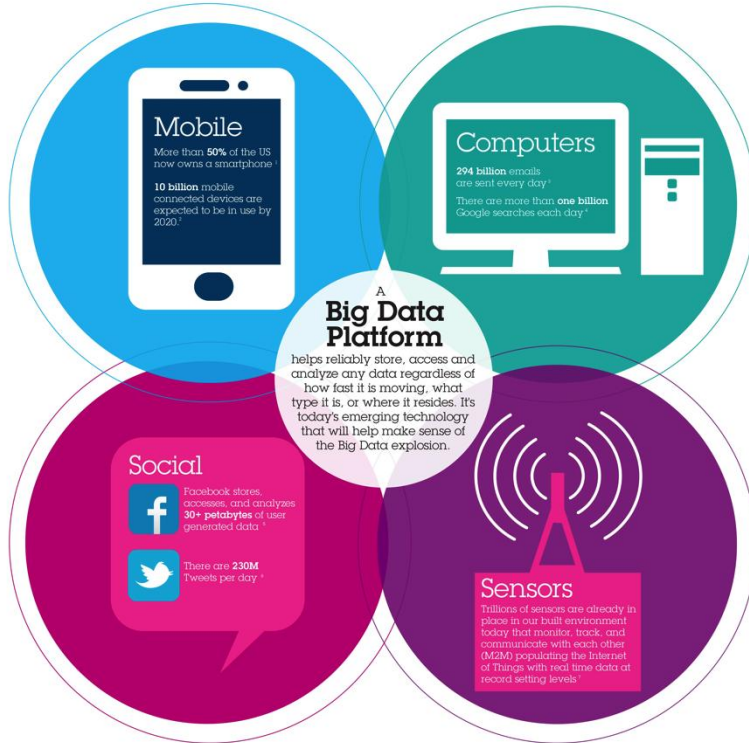
Question:

- How is the proliferation of Cloud computing affecting your business and your customers' businesses?
- Does the broad availability of cloud computing strengthen or weaken the fundamental value proposition of outsourcing?

Big Data Analytics...

Big Data: Making the World go Round

Big Data is growing and moving fast from a variety of sources; are you keeping up?



Information gathered by IBM:

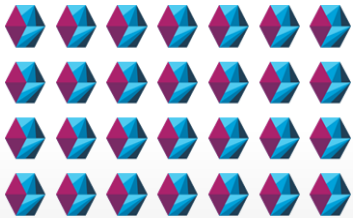
1. Chetan Sharma Consulting - US Mobile Data Market Update Q2 2012
2. 2011 Economist
3. IBM - Managing the Big Flood of Big Data in Digital Marketing
4. Google - How Google Search Works
5. Wikibon - Taming Big Data
6. IBM - Managing the Big Flood of Big Data in Digital Marketing
7. IBM

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Big Data is all data...

Volume



Data at Scale

Terabytes to
petabytes of data

Variety



Data in Many Forms

Structured,
unstructured, text,
multimedia

Velocity



Data in Motion

Analysis of streaming
data to enable
decisions within
fractions of a second.

Veracity



Data Uncertainty

Managing the
reliability and
predictability of
imprecise data types.

Three Key Imperatives for Big Data & Analytics Success

Build a culture that
infuses analytics
everywhere

Imagine It.

Invest in a
big data & analytics
platform

Realize It.

Be proactive about
privacy, security and
governance

Trust It.

Every industry can leverage Big Data Analytics...



Banking

- Optimizing Offers and Cross-sell
- Customer Service and Call Center Efficiency



Insurance

- 360° View of Domain or Subject
- Catastrophe Modeling
- Fraud & Abuse



Telco

- Pro-active Call Center
- Network Analytics
- Location Based Services



Energy & Utilities

- Smart Meter Analytics
- Distribution Load Forecasting/Scheduling
- Condition Based Maintenance



Media & Entertainment

- Business process transformation
- Audience & Marketing Optimization



Retail

- Actionable Customer Insight
- Merchandise Optimization
- Dynamic Pricing



Travel & Transport

- Customer Analytics & Loyalty Marketing
- Predictive Maintenance Analytics



Consumer Products

- Shelf Availability
- Promotional Spend Optimization
- Merchandising Compliance



Govern.

- Civilian Services
- Defense & Intelligence
- Tax & Treasury Services



Healthcare

- Measure & Act on Population Health Outcomes
- Engage Consumers in their Healthcare



Automotive

- Advanced Condition Monitoring
- Data Warehouse Optimization



Chemical & Petroleum

- Operational Surveillance, Analysis & Optimization
- Data Warehouse Consolidation, Integration & Augmentation



Aerospace & Defense

- Uniform Information Access Platform
- Data Warehouse Optimization



Electronics

- Customer/ Channel Analytics
- Advanced Condition Monitoring

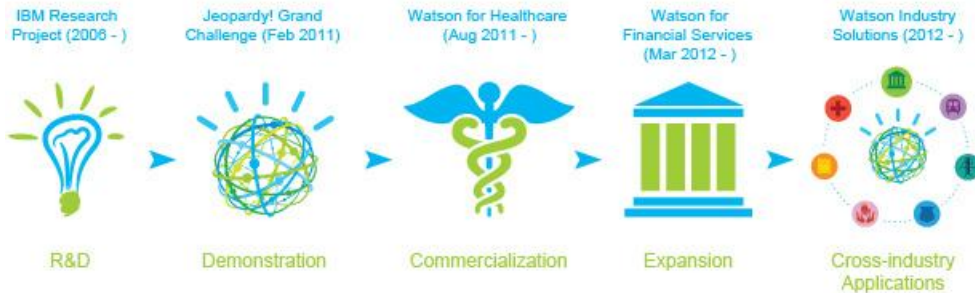


Life Sciences

- Increase visibility into drug safety and effectiveness

Cognitive systems like Watson may transform how organizations think, act, and operate in the future.

Learning through interactions, they deliver evidence based responses driving better outcomes.



WATSON Goes to Work

(For You)

270 BILLION

customer calls are handled annually

Nearly

50 PERCENT

of all incoming service calls require escalation, dispatch, or go unresolved

61 PERCENT

of customer calls could have been resolved with better access to information



In the past 12 months, approximately 1 in 6 customers have only interacted via digital channels. This is primarily driven by Gen Y customers, among whom more than 20% of recent interactions are digital only.¹

Only 44% of health insurance customers and 54% of provider consumers actually tell anyone within a month of having a positive experience, compared to 70% of retail and 66% of banking customers.²

Consumers are increasingly looking for personalized, efficient interactions with the companies they frequent. Is your organization making the grade?



Only 4% of customers think banks have a good understanding of customer experience and 62% of customers think that their banks don't listen to feedback and take action.³

70% of customers worldwide are willing to provide their bank with more information if this leads to greater personalization or better service.⁴



Enterprises in the U.S. lose an estimated \$83 billion each year due to defections and abandoned purchases as a direct result of a poor experience.⁵

A one-point change in customer satisfaction is associated with a 4.4% change in market value⁶

Research shows that 86% of consumers will pay more for a better customer experience, and 89% of consumers began doing business with a competitor following a poor customer experience.⁷

IBM Watson Engagement Advisor

Fundamentally transforming the way people and companies interact and build relationships.

Consumers will interact directly with Watson to get timely, accurate, personalized responses to inquiries.

Understand the subtleties of human language
Search through vast amounts of Big Data

Deliver fast, evidence-based answers to users' questions



47% of telecom marketers will focus on retaining relationships and building stronger affinity with existing customers in 2013.⁸

40% of telecom marketers plan to improve the relevance and value of communication and content in 2013.⁹

Question:

- How is your business using analytics today?
- What analytics capability is at the top of your wish list?
- What about your customers?