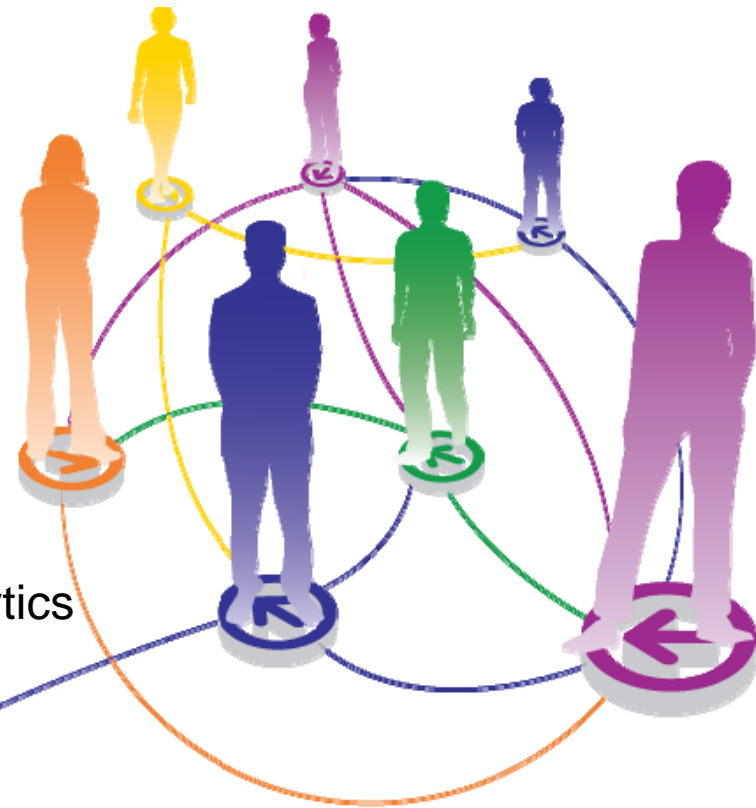


Building a Smarter Planet

Information-Led Transformation

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IBM Information
ON Demand 2010



IBM



Today's Topics

Our Smarter Planet and the Information Challenge

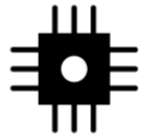
Accelerating an Information-Led Transformation

Creating your Information Agenda

The Next Level: Business Analytics



Building a Smarter Planet...



Our world is becoming

INSTRUMENTED



*30 billion RFID tags...
This year!*



Our world is becoming

INTERCONNECTED



*~2 billion people on the Web... 2011
...a trillion connected objects*



Virtually all things, processes
and ways of working are becoming

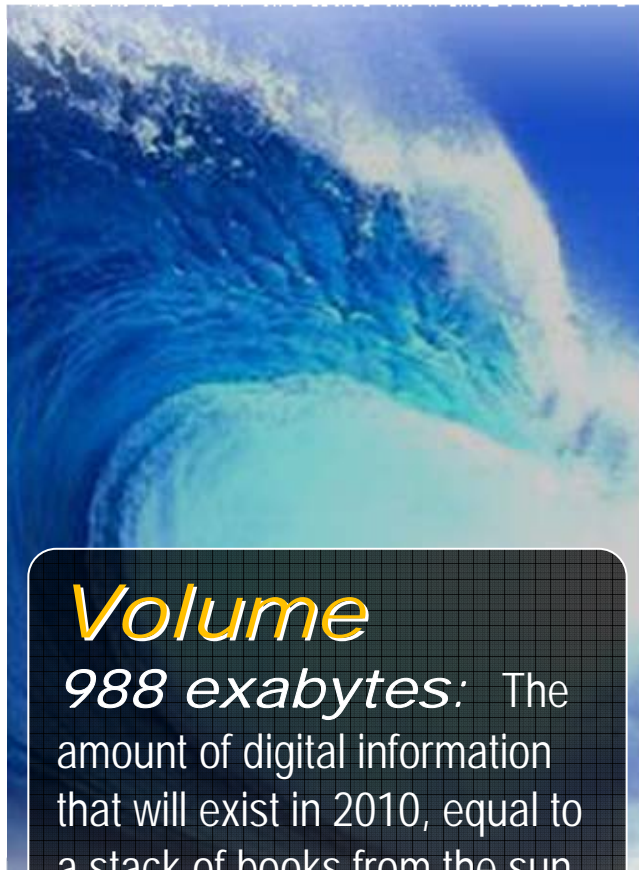
INTELLIGENT



*15 petabytes of new
Information generated daily...*



...is Producing an Explosion of Information



Volume

988 exabytes: The amount of digital information that will exist in 2010, equal to a stack of books from the sun to Pluto and back...



Variety

80% of new data growth is generated largely by email, with increasing contribution by documents, images, and video and audio.



Velocity

77% of executives say they do not have real-time information to make key business decisions.



Yet Organizations are Operating with Blind Spots.

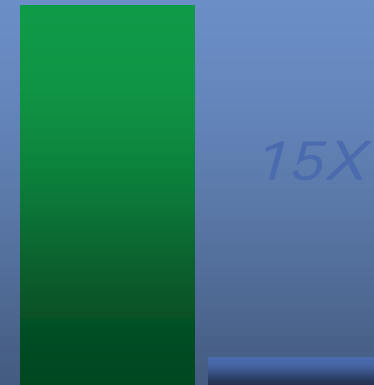
1 in 3

Business leaders frequently make **decisions** based on information they don't trust, or don't have

1 in 2

Business leaders say **they don't have access to the information they need** to do their jobs

Top Performers Demonstrate Expertise



Predict and prepare for the future by evaluating trade-offs proactively

■ Industry Top performers
■ Industry Under performers

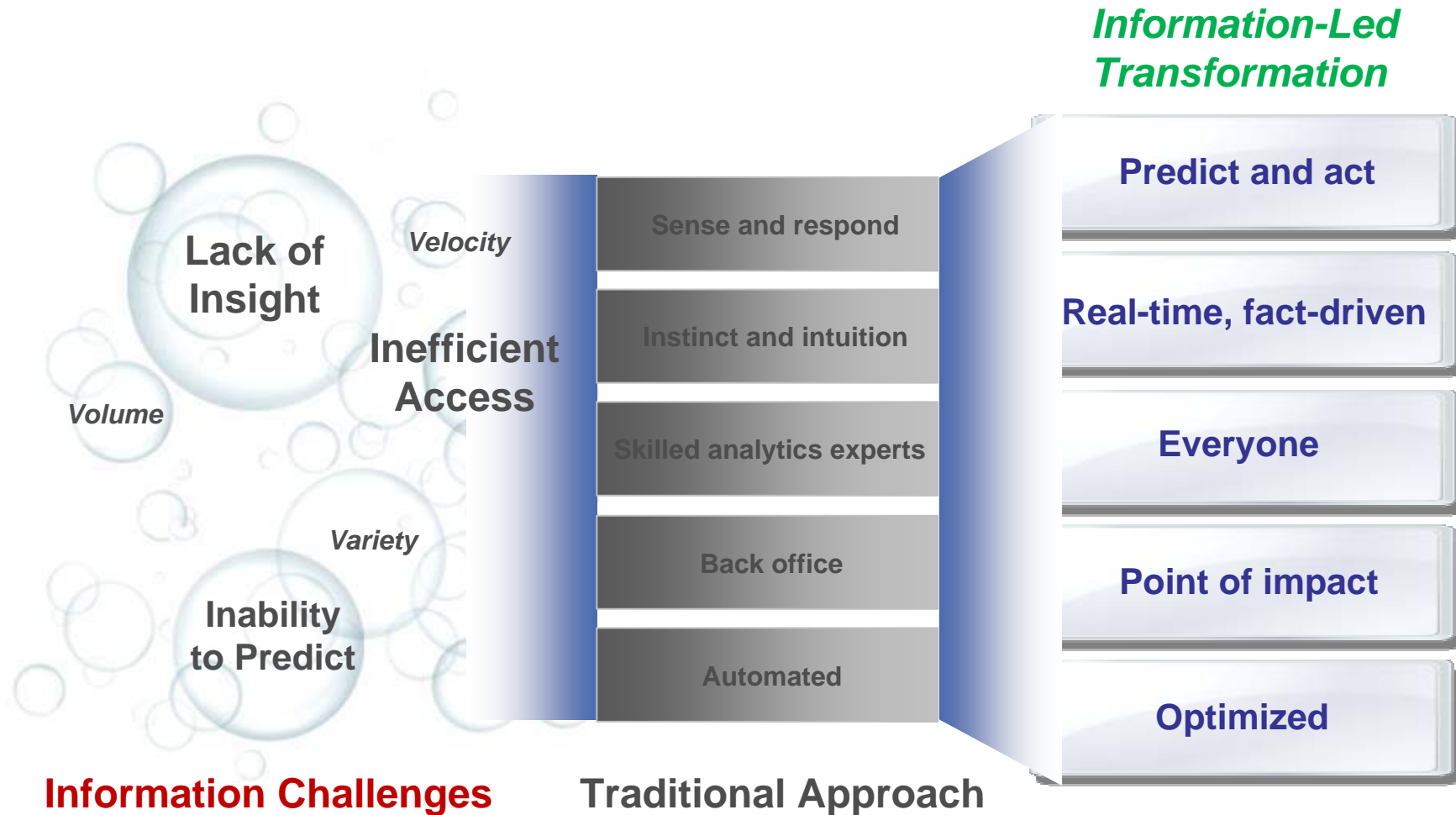
Source: IBM: Break Away with Business Analytics and Optimization Study



The Key is Leveraging Information and Analytics

Informed, Real-time Decisions at the Point of Impact...

An Information-Led Transformation





...Giving Organizations the Insight to Act with Confidence.



Irish Life & Permanent:

Single, complete, accurate record of customers leads to improved customer satisfaction and cross-sell, reduced costs



Major US Government Agency:

Predictive modeling at the point of disability application submission reduces claim processing time by 100 days, with ROI estimated at >\$1B USD by 2011



Geisinger Health System:

Integrates real-time clinical data to provide a comprehensive patient view including complete medical history



Univ. of Ontario Institute of Technology:

Analytics detect potentially life-threatening conditions in premature infants up to 24 hrs earlier

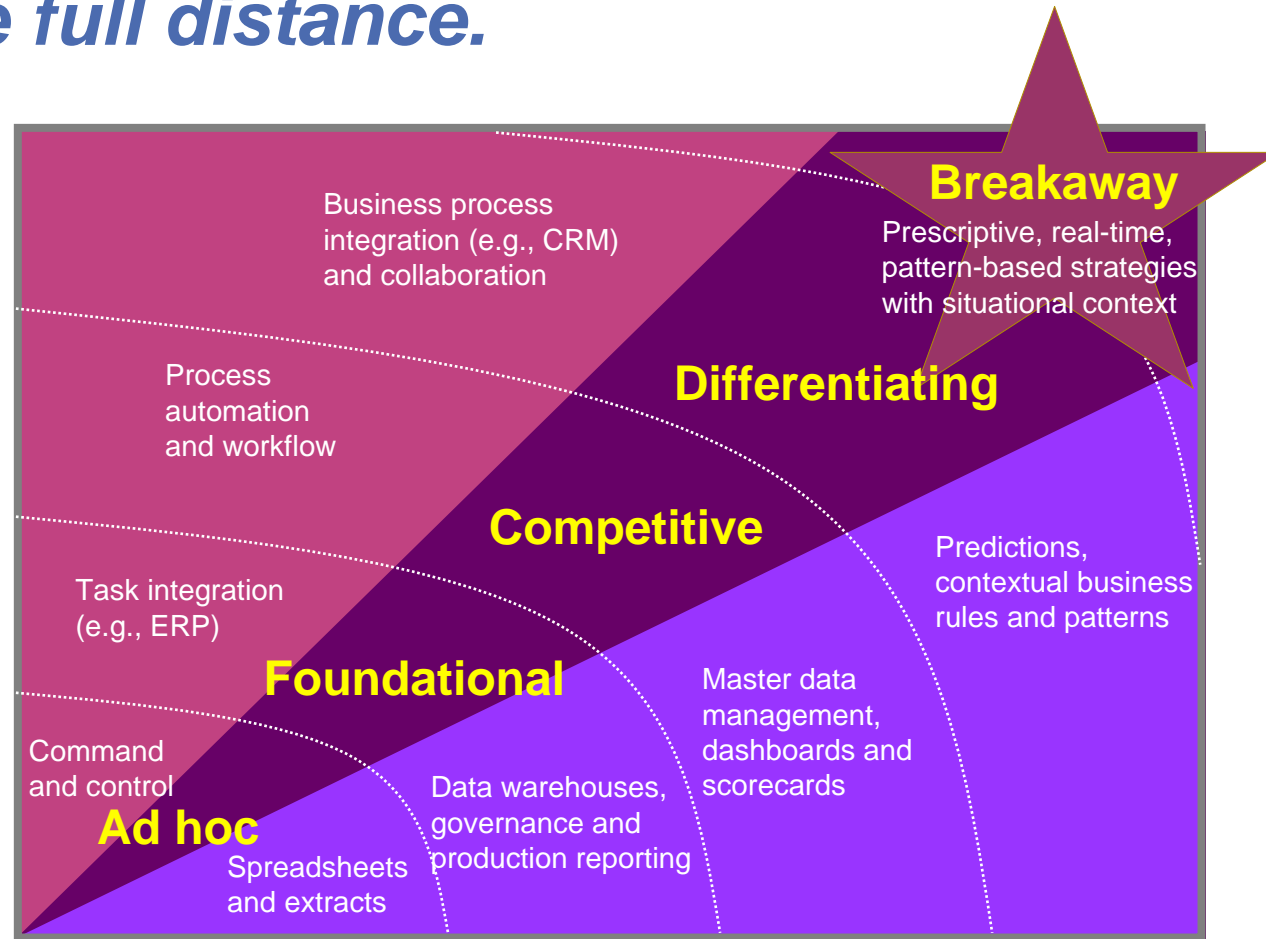


Businesses today have an entirely new way to compete: BAO. But most have yet to take analytics the full distance.

Business operations maturity

How the business applies information to achieve its goals

- Policies
- Business Processes
- Organization



Source: *Breaking Away with Business Analytics and Optimization: New intelligence meets enterprise operations* available in late 2009 at www.ibm.com/gbs/intelligent-enterprise.

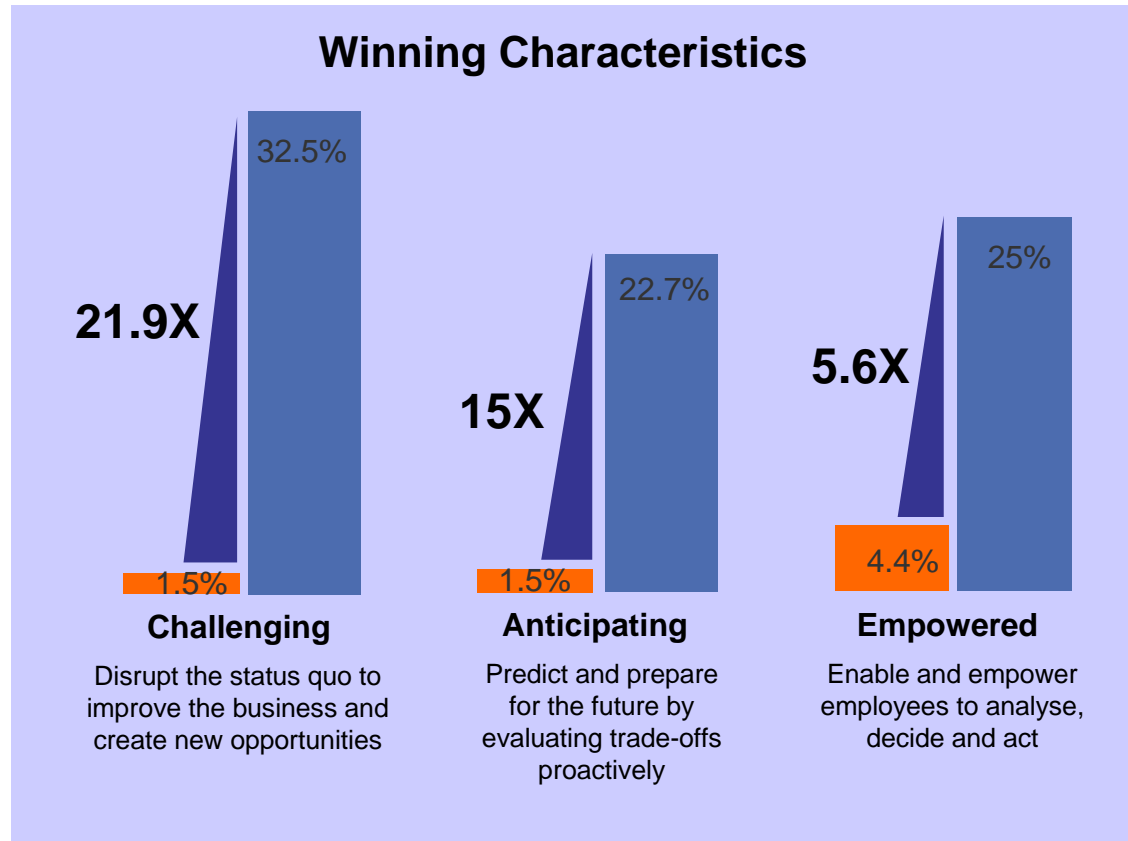
Information and analytics maturity

How the business manages information and learns from it



Top performers have the right management systems, tools, and culture – enabling them to seek, evaluate and act on opportunities

Key Advantages



High quality information

Strong decision support

Keen focus on driving business change

Chart shows differences at the highest achievement levels

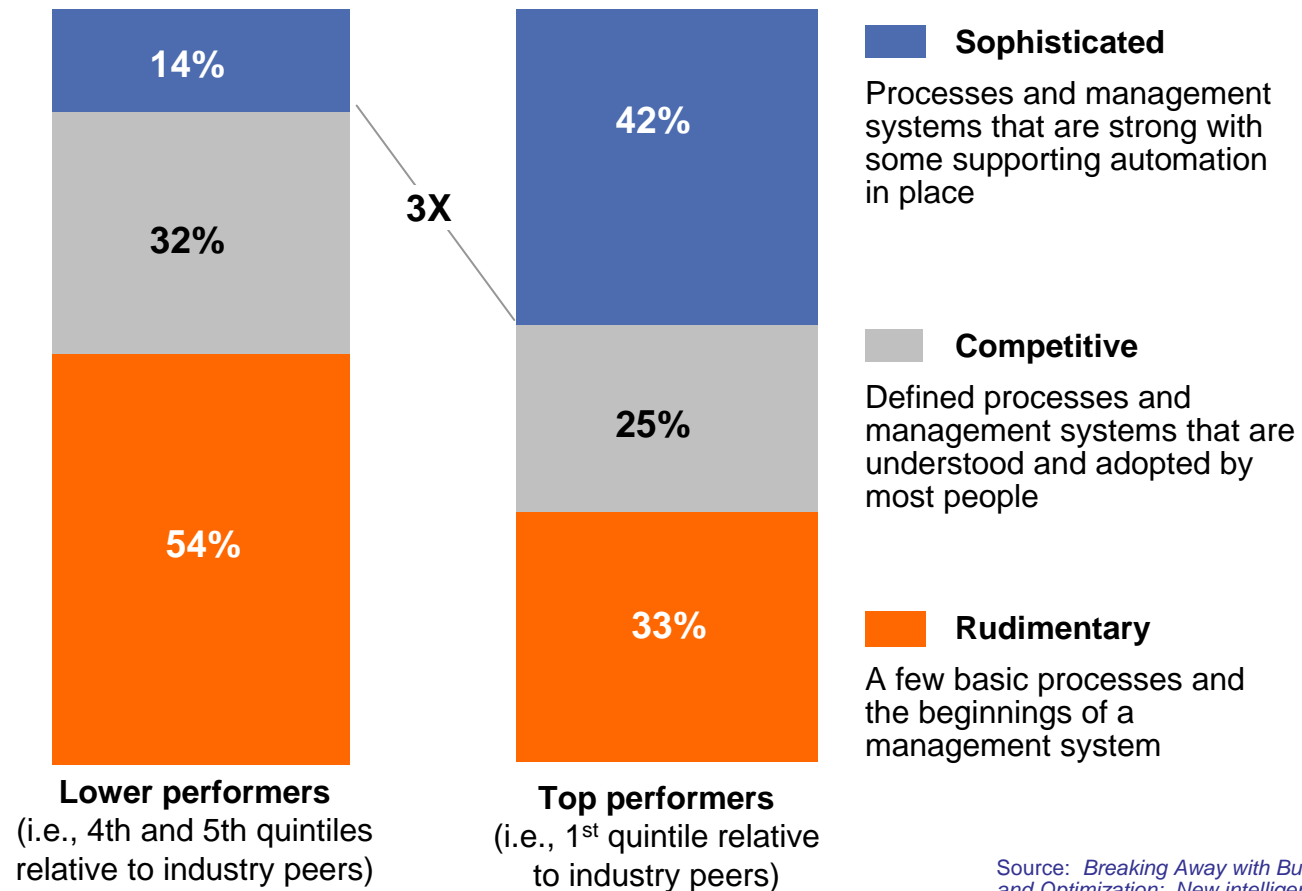
- Key:
- Top performers (i.e., 1st quintile relative to industry peers)
 - Lower performers (i.e., 4th and 5th quintile relative to industry peers)
 - Relative difference of top performers to lower performers

Source: *Breaking Away with Business Analytics and Optimization: New intelligence meets enterprise operations* at www.ibm.com/gbs/intelligent-enterprise.



Strong data governance discipline helps top performers move faster and collaborate more easily

Data Governance Levels

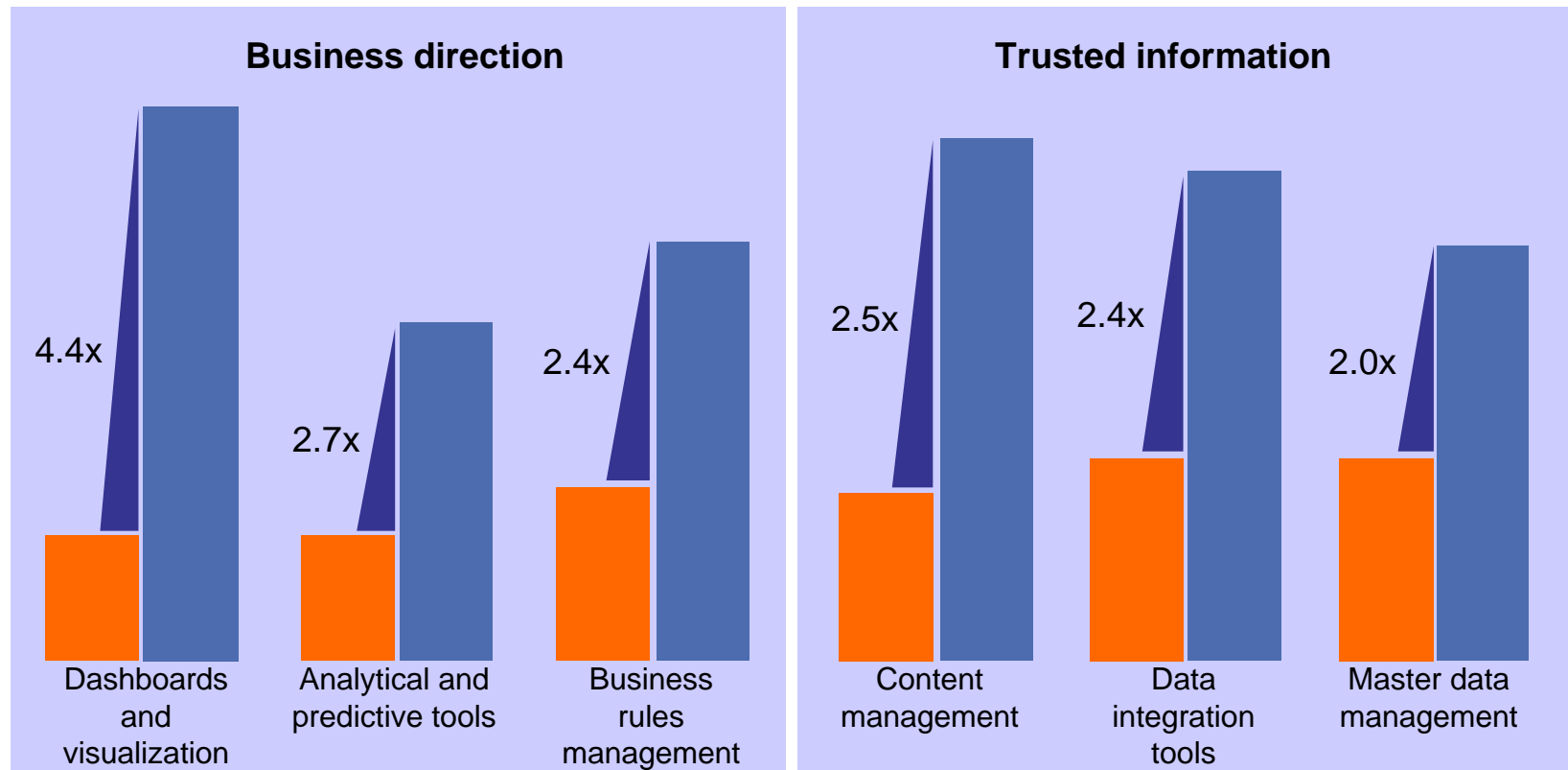


Source: *Breaking Away with Business Analytics and Optimization: New intelligence meets enterprise operations* at www.ibm.com/qbs/intelligent-enterprise.



Top performers are armed with state-of-the-art tools to support decisions

Above average BAO platforms and toolsets



Source: *Breaking Away with Business Analytics and Optimization: New intelligence meets enterprise operations* at www.ibm.com/gbs/intelligent-enterprise.

- Key:
- Top performers (i.e., 1st quintile relative to industry peers)
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 - Relative difference of top performers to lower performers



Focus on making the operational changes necessary to create value from new insights pays off for top performers in business results

2.5X

Top performers nearly triple their odds of success through their keen focus driving change

2X

Focusing on driving change is more than twice as important to success as having a well run project

Beating the odds for success

Best

Driving change

- Culture and people change
- Data governance
- Business process change
- Organizational alignment

Better

Well run project

- Program governance
- Project objectives
- Multi-phased roadmap

Good

Sound justifications

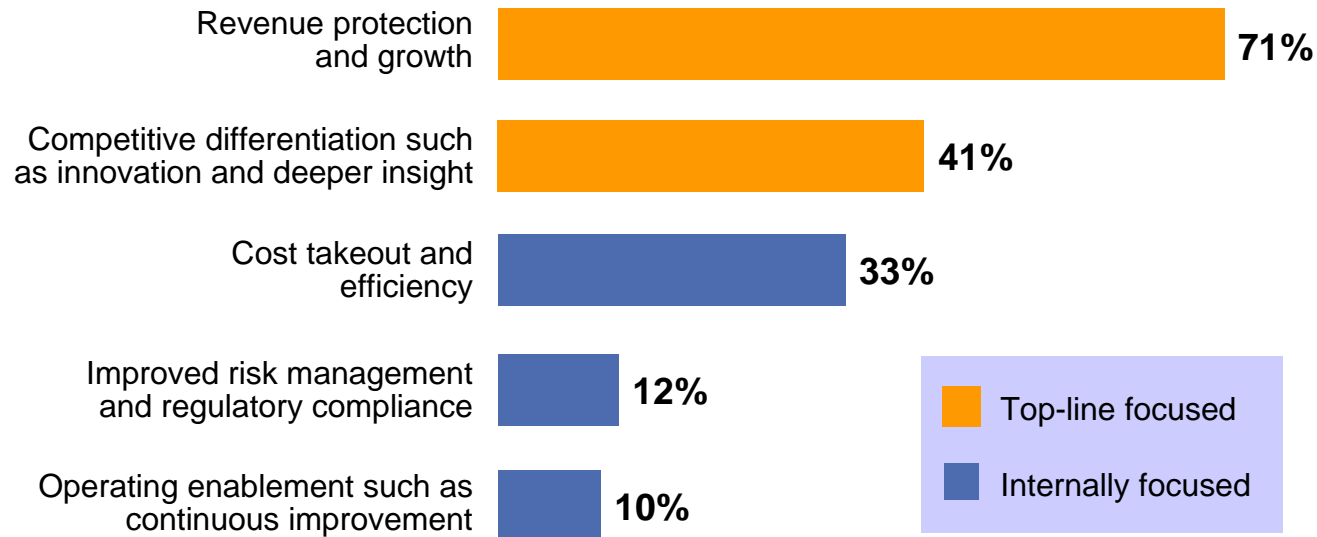
- Sponsorship
- Capability assessments
- Funding process management

Source: *Breaking Away with Business Analytics and Optimization: New intelligence meets enterprise operations* at www.ibm.com/gbs/intelligent-enterprise.



IBM's 2009 survey of 398 executives worldwide found top-line focus is back and it's a global phenomenon

Business Objectives for 2010-2011



Source: *Breaking Away with Business Analytics and Optimization: Enterprise operations meets new intelligence* available at www.ibm.com/gbs/intelligent-enterprise.



We predict a shift in projects to better reflect top line priorities



Business Objectives: ■ Top-line ■ Top-line and internal improvement ■ Internal improvement

Source: *Breaking Away with Business Analytics and Optimization: Enterprise operations meets new intelligence* available at www.ibm.com/gbs/intelligent-enterprise.



As our Clients Shift to an Information Driven Enterprise, they are asking how can I Create Value and Lower Costs

Create Value...

Can I get just the right insight & information to the right people in the context of what they are doing?
Executives? Business Analysts? Customers? Call Centers? Web?



Lower Costs...

I have thousands of databases and content repositories.

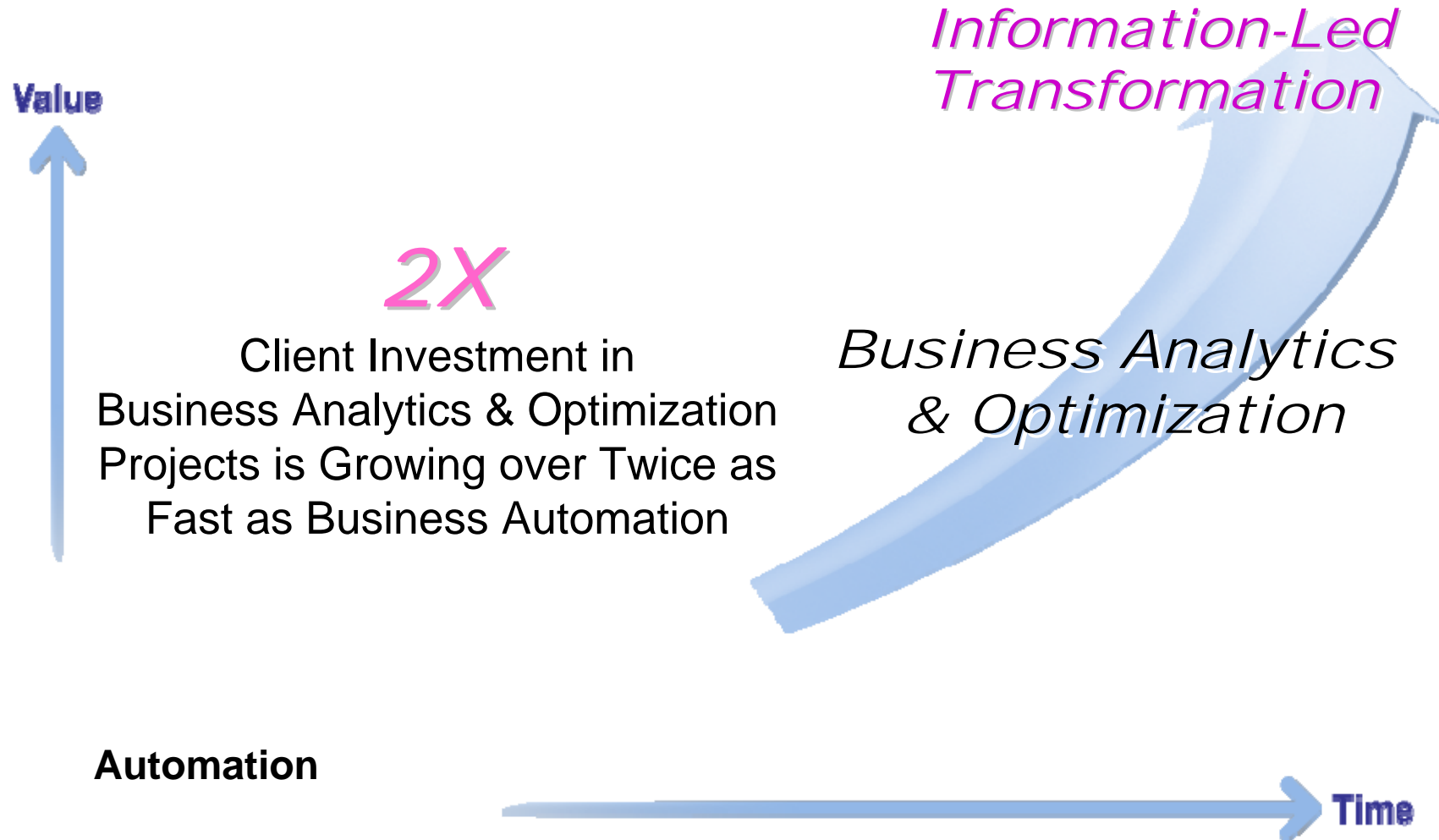
I don't know where what is?
Can I get it all organized?
Can I decommission data?





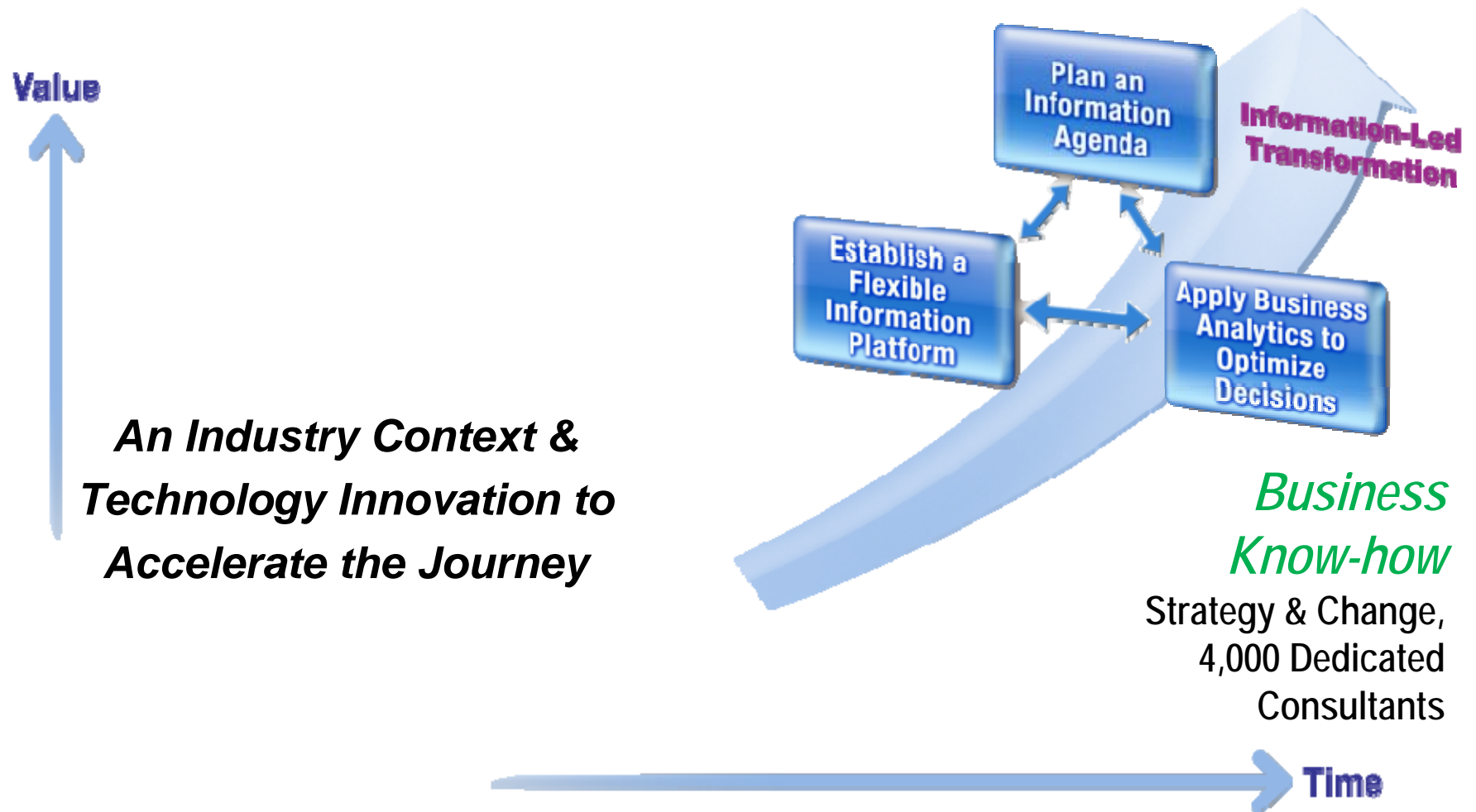
Information-Led Transformation

Information-Led Transformations will Change Business the Same Way as ERP & CRM...



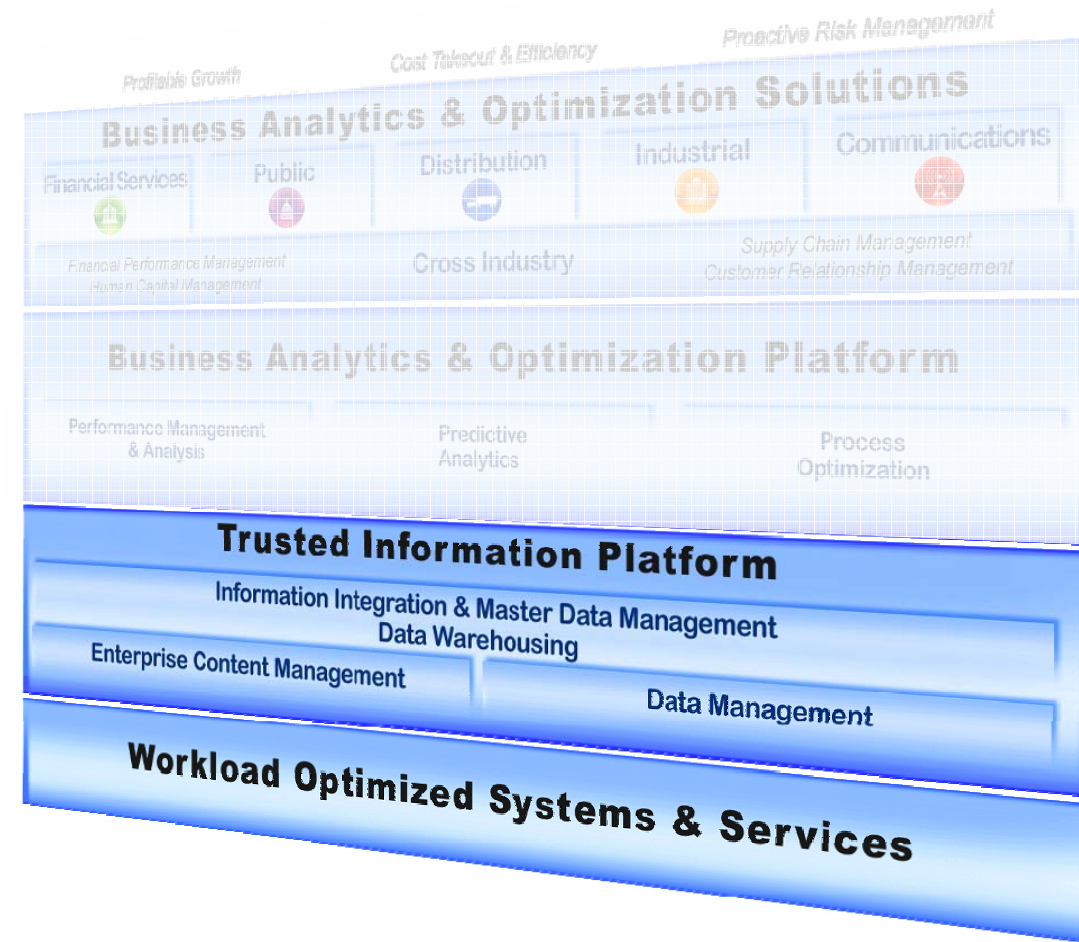
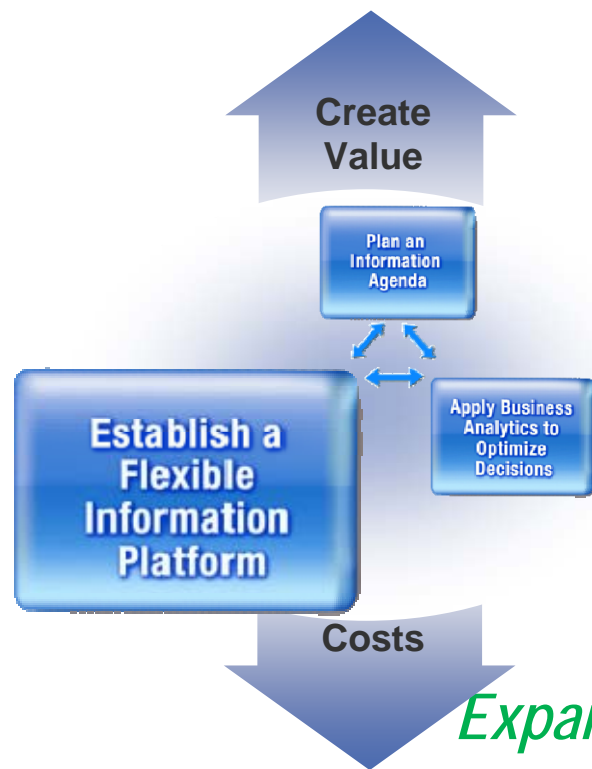


Accelerating an Information-Led Transformation...





A Flexible Information Platform



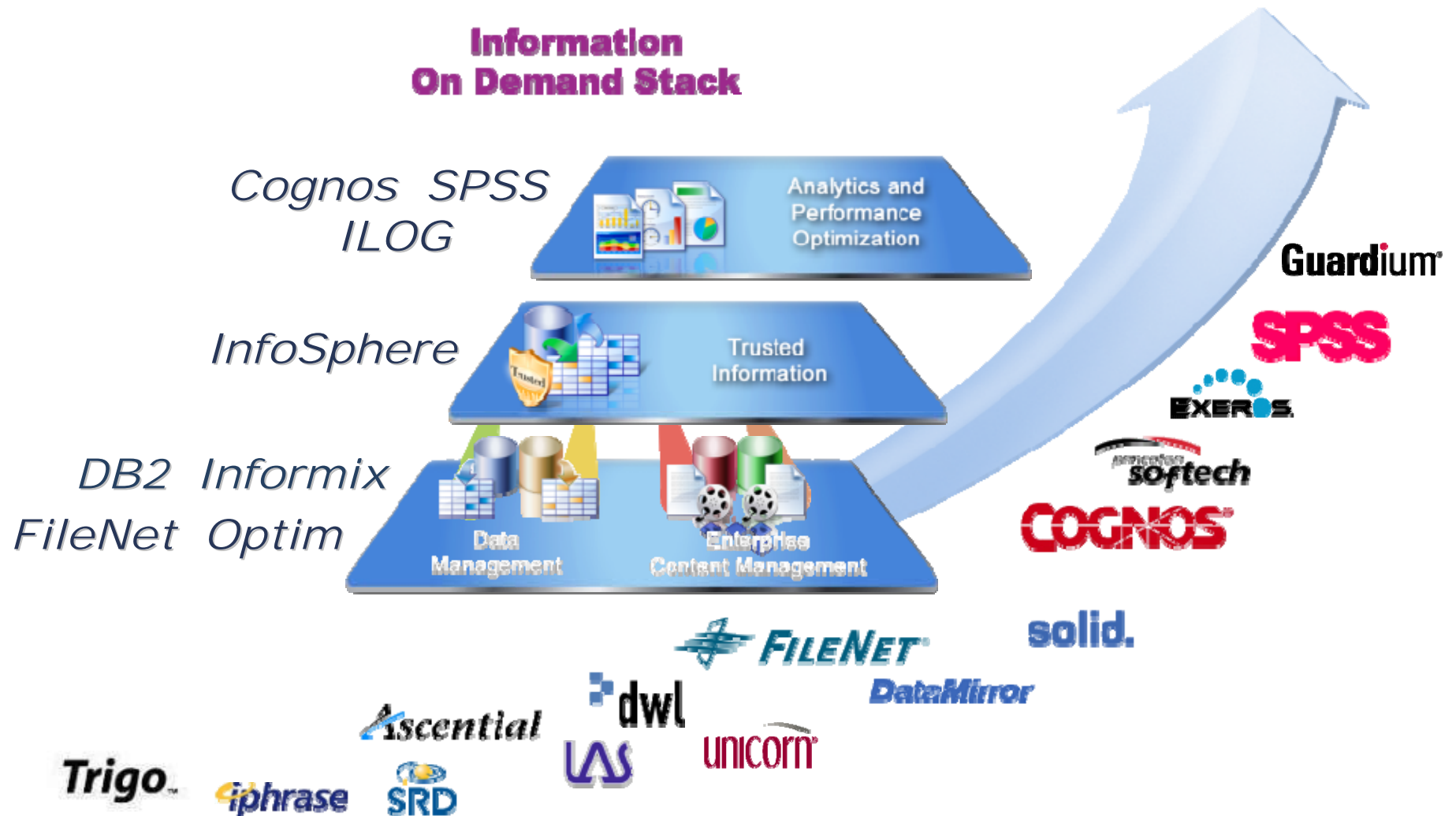
Expanding Technology

\$12B Software Investments
Over 15,000 New Clients
Over 2,300 New IOD Partners



Accelerating an Information-Led Transformation...

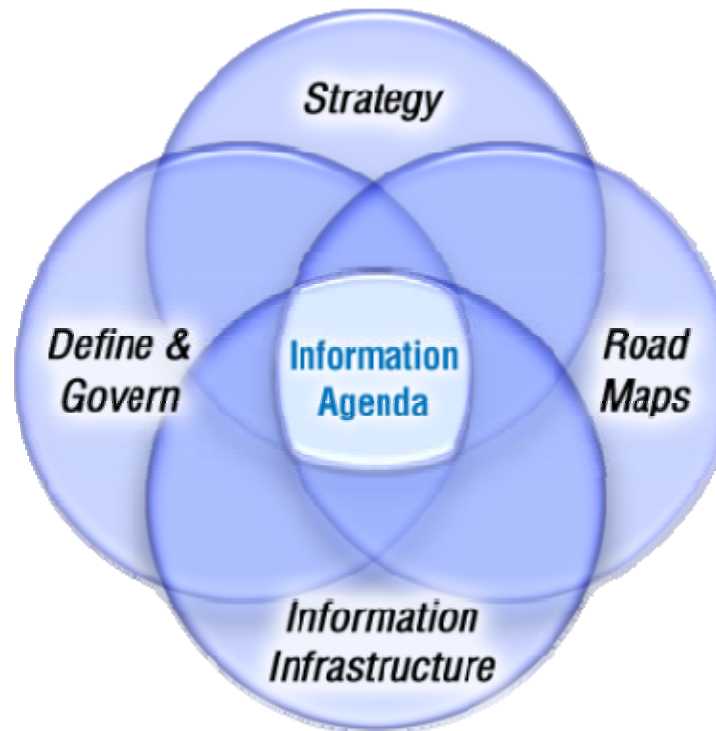
IBM has invested \$12B in R&D and Acquisitions





Information Agenda

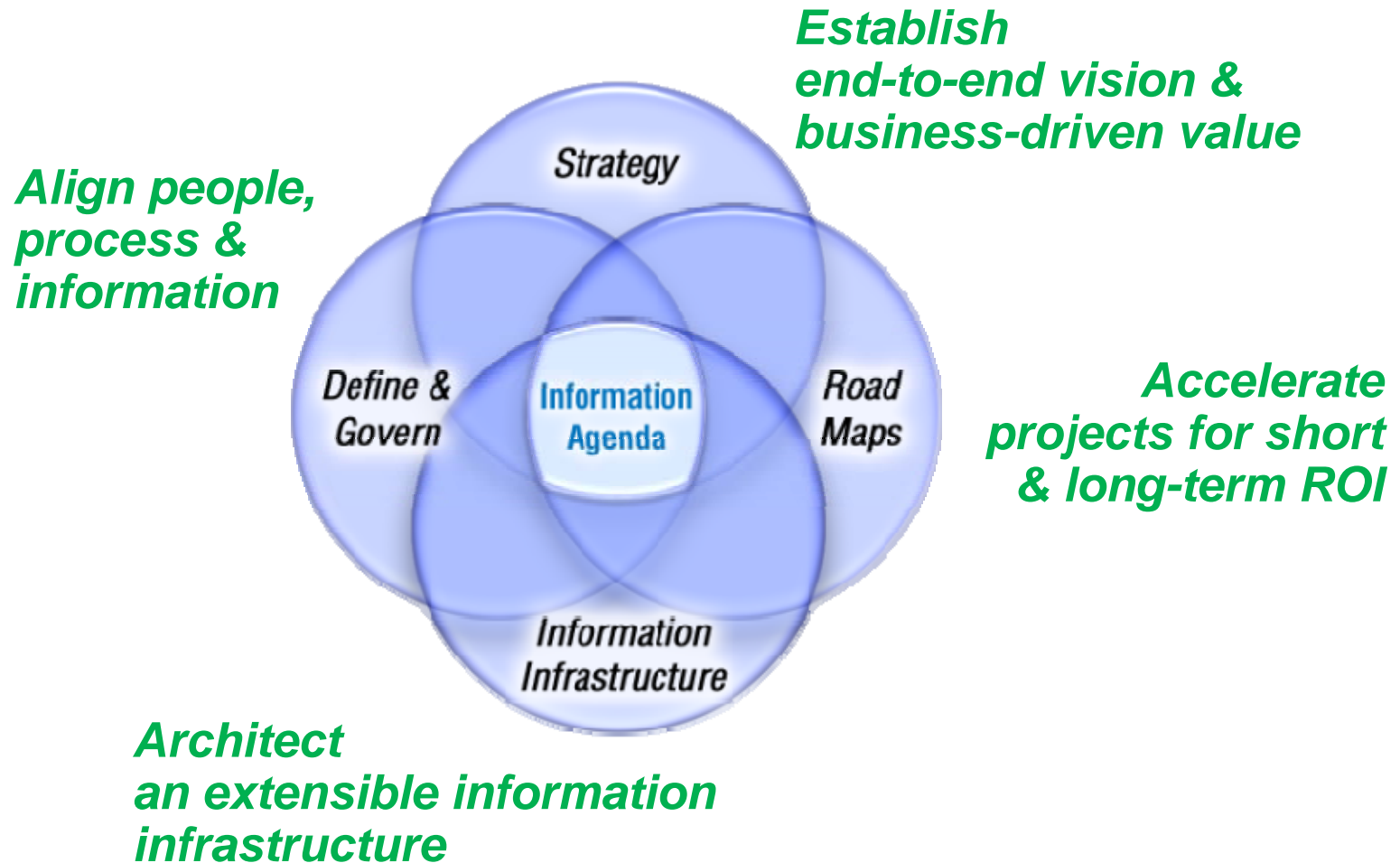
A proven, industry-specific approach for aligning information with business objectives





Information Agenda

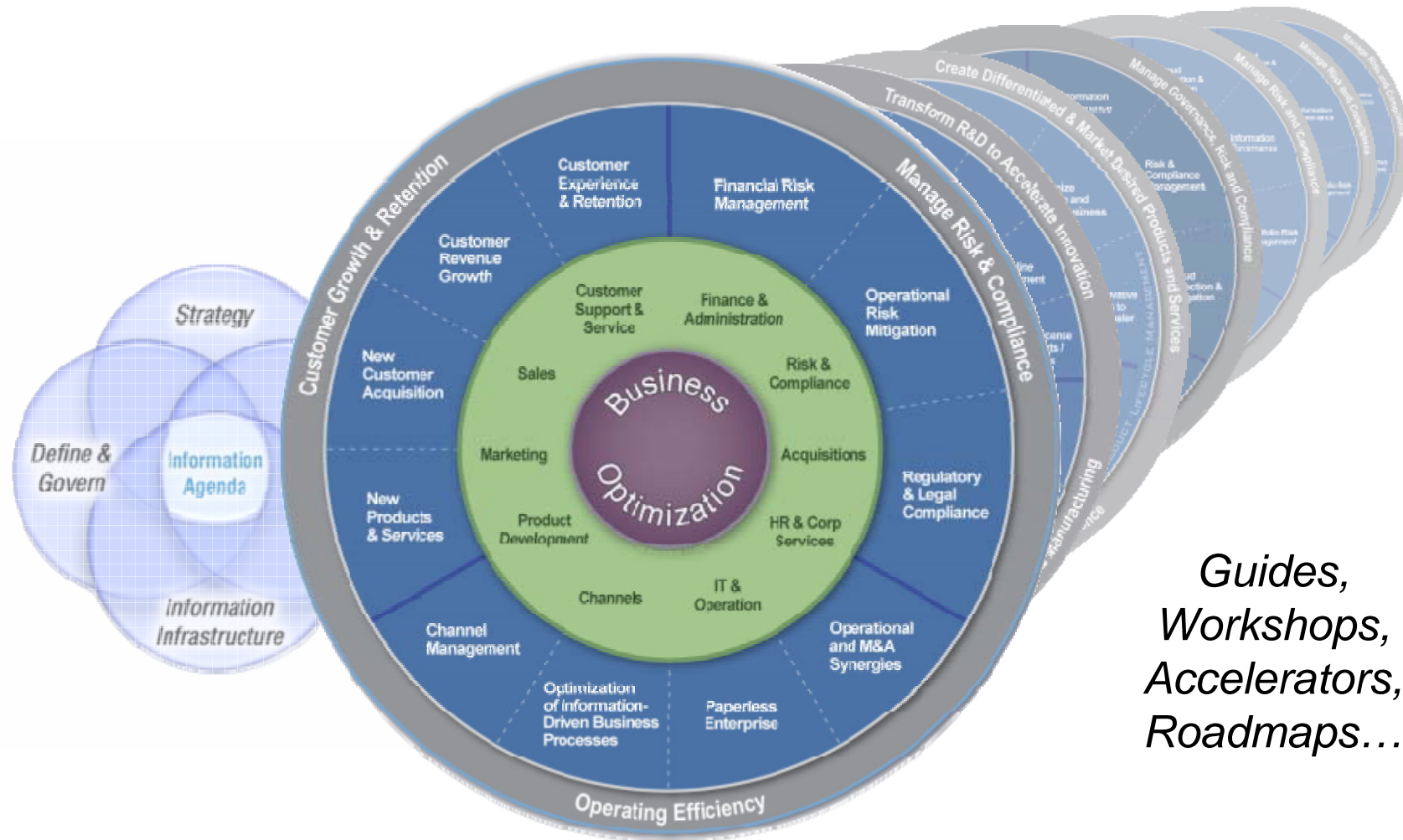
A proven, industry-specific approach for aligning information with business objectives





Information Agenda

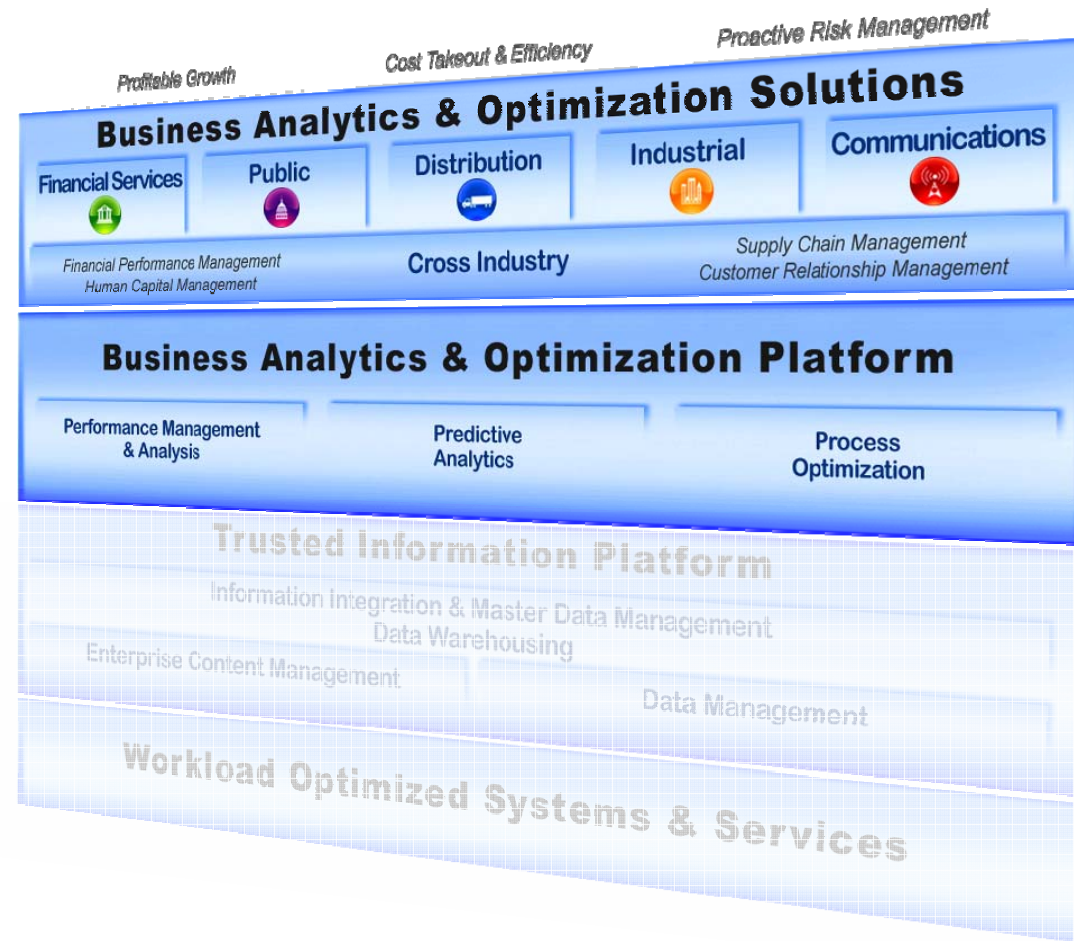
Strategy, Roadmaps, Information Agenda Guides



Information Agenda
Guide for Banking & Finance



Taking it to the Next Level with Business Analytics & Optimization





Taking it to the Next Level: Predictive Analytics





Taking it to the Next Level: Predictive Analytics

Richmond County Police pinpoints hotspots & leads to 20-30% decrease in violent crimes



Center for Disease Control Characterizes disease & quickly assess medical needs in real-time



Cablecom GmbH Doubled ability to predict churn & reduced actual churn 10 fold

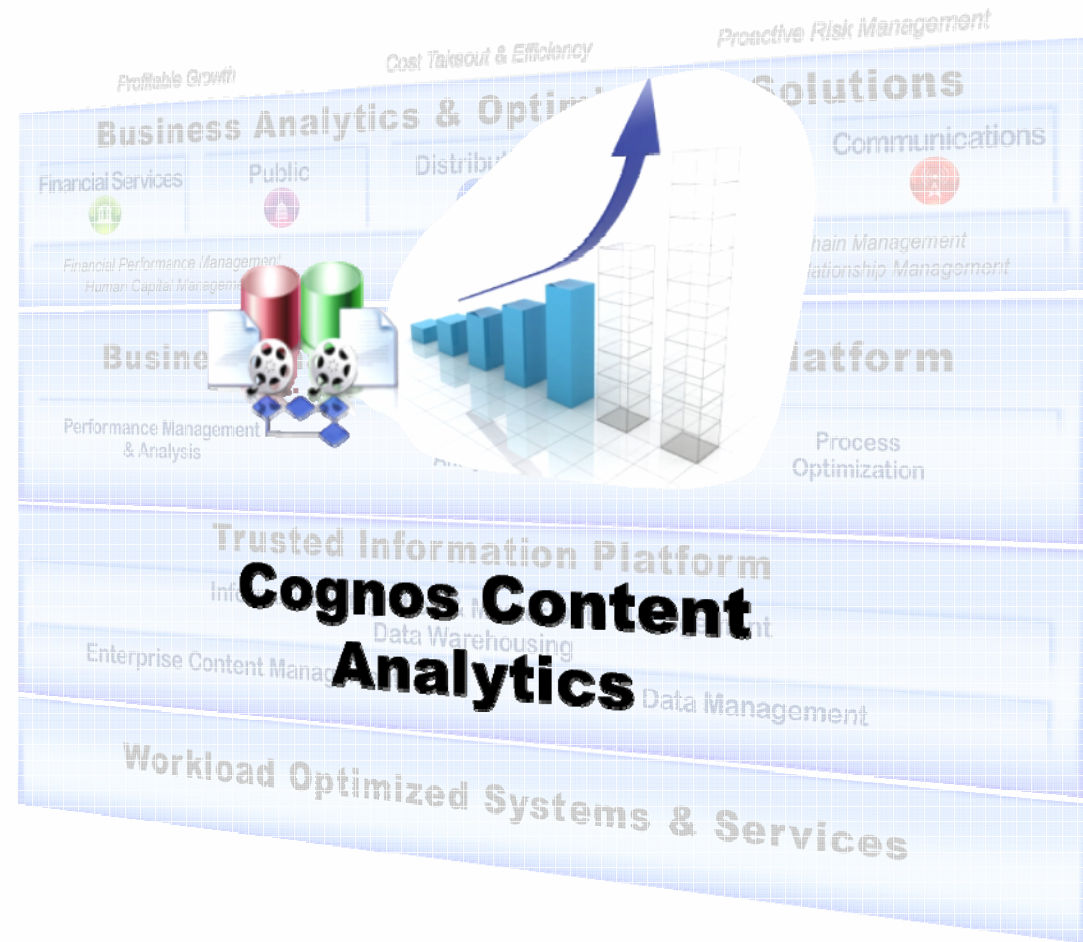


Infinity Property & Casualty Corporation
Real-time claims scoring starts fraud investigations within 24hrs. vs. 2 weeks





Taking it to the Next Level: Content Analytics





Taking it to the Next Level: Content Analytics

Large Claims 3rd Party Administrator
Content Analytics over claims detects fraud faster, reducing costs by millions



University of Ontario Institute of Technology detects life-threatening conditions in infants up to 24 hrs earlier



NTT DoCoMo Content Analytics over “Voice of Customer” data creates insight driving customer-oriented decisions



Kraft Content Analytics over online customer postings helps target & deliver new campaigns, increasing sales & loyalty





Accelerating Value Creation through Analytic Applications

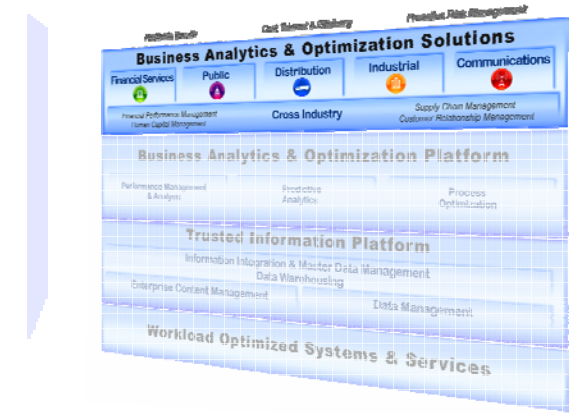
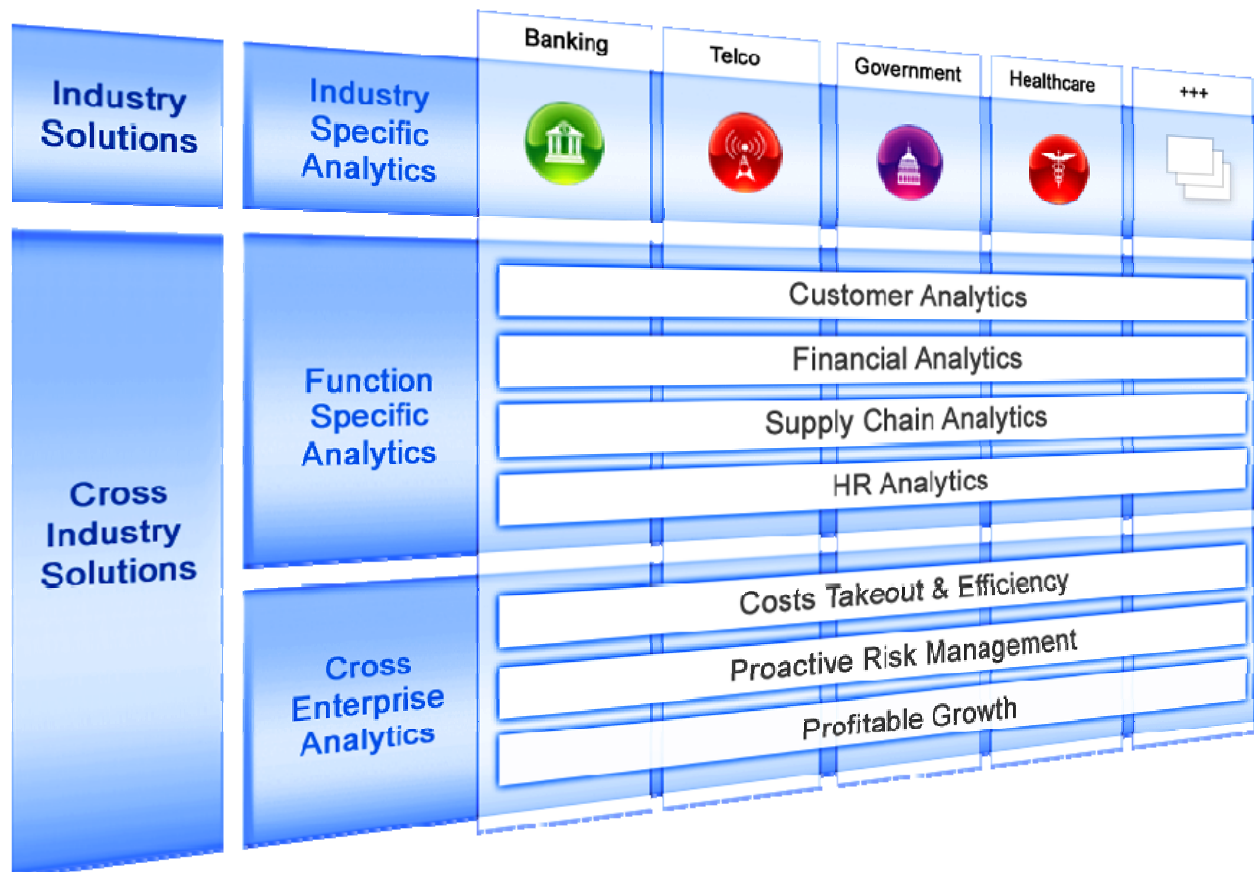
Blueprints, Best Practices, Industry Assets...



*Flexible Approach...
Based on Middleware for Open Platforms*

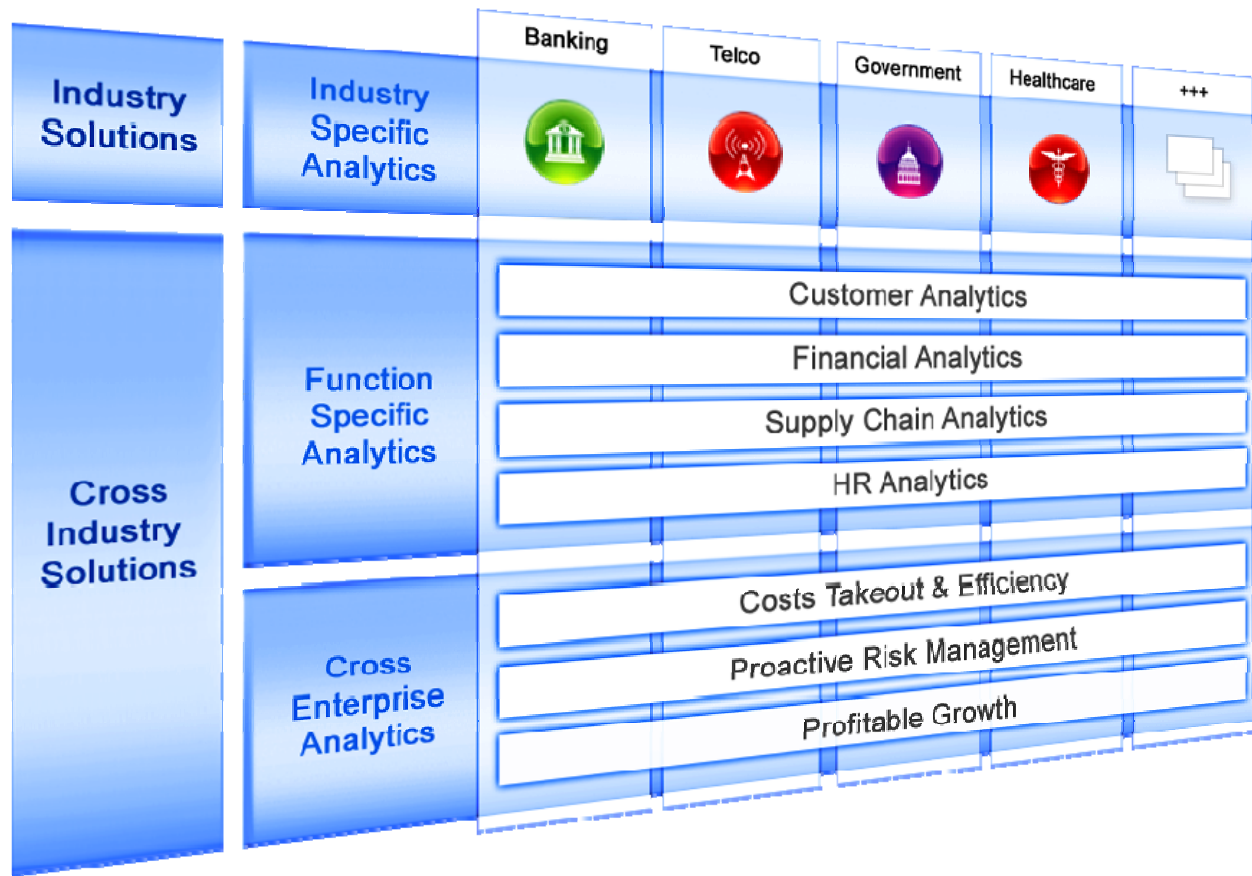


Taking it to the Next Level: Industry by Industry





Taking it to the Next Level: With Experts from IBM and Business Partners...



BAO Strategy



Analytics & Performance Management



Advanced Analytics & Optimization



Enterprise Information Management



Enterprise Content Management



Putting it All Together...

IBM Smart Analytics System



*Pre-optimized
Business Intelligence Software
triples out of the box performance**

Analytics Software Options

- ✓ Business Intelligence Capabilities
- ✓ Cubing Services
- ✓ Text and Data Analytics

Powerful Data Warehouse

- ✓ Warehousing Platform
- ✓ Advanced Workload Management
- ✓ System Automation

Hardware & Services

- ✓ Server Platform
- ✓ Storage Capacity
- ✓ Build, Deploy, Health Check & Premium Support Services

* Based on IBM Laboratory Tests. Actual results may vary depending on specific environment and configuration.



We've Only Just Begun to Uncover What is Possible on a Smarter Planet.

With the information organizations already have and new analytical tools, there are no limits to what is possible



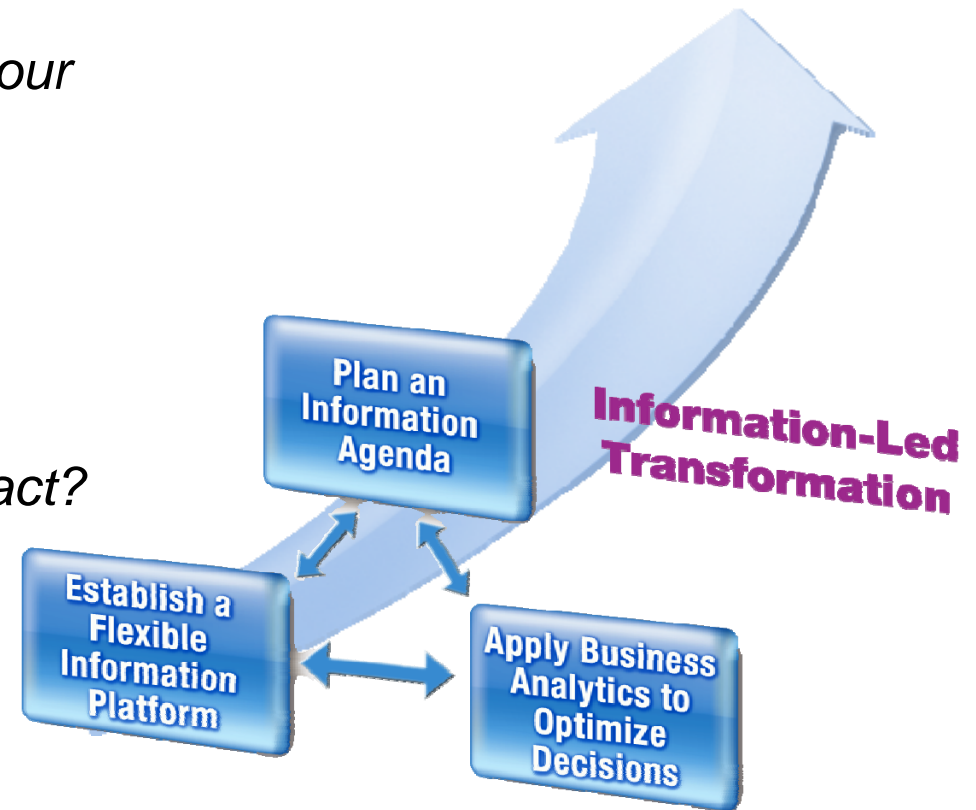
How can you use information to transform your organization?



Start the Transformation Today, Ask Yourself:

- ✓ *Is your information aligned with your business strategy?*
- ✓ *Is your information managed as a trusted, strategic asset?*
- ✓ *Do you have the insight needed to make informed decisions and act?*

IBM can help.



A New Kind of Intelligence for a Smarter Planet

Neil Isford
nisford@us.ibm.com



IBM Information
ON Demand 2010

