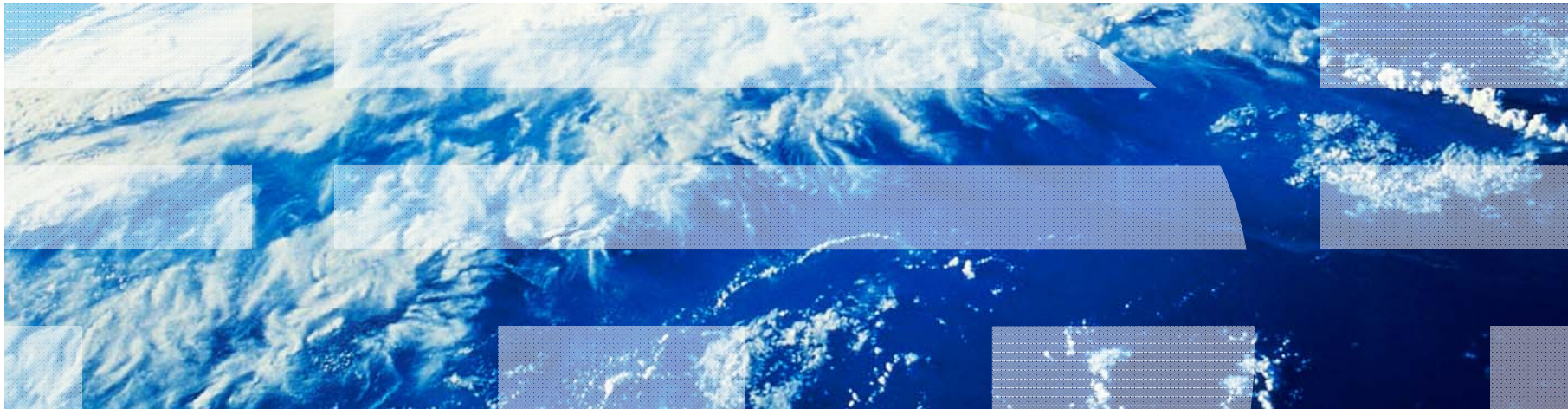
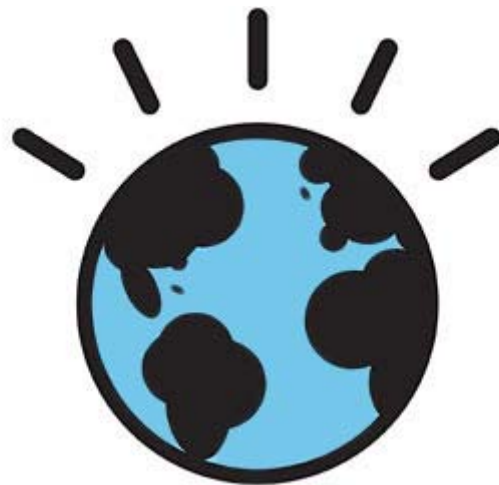

IBM Cognos Financial Performance Analytics – Faster Insight: Smarter Financial Decisions



Smarter planet: Thinking and acting in new ways to make our systems more efficient, productive and responsive.



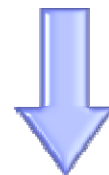
Smarter businesses are able to leverage information to drive smarter business outcomes



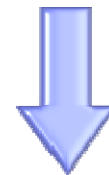
Increase Revenue



Increase Productivity

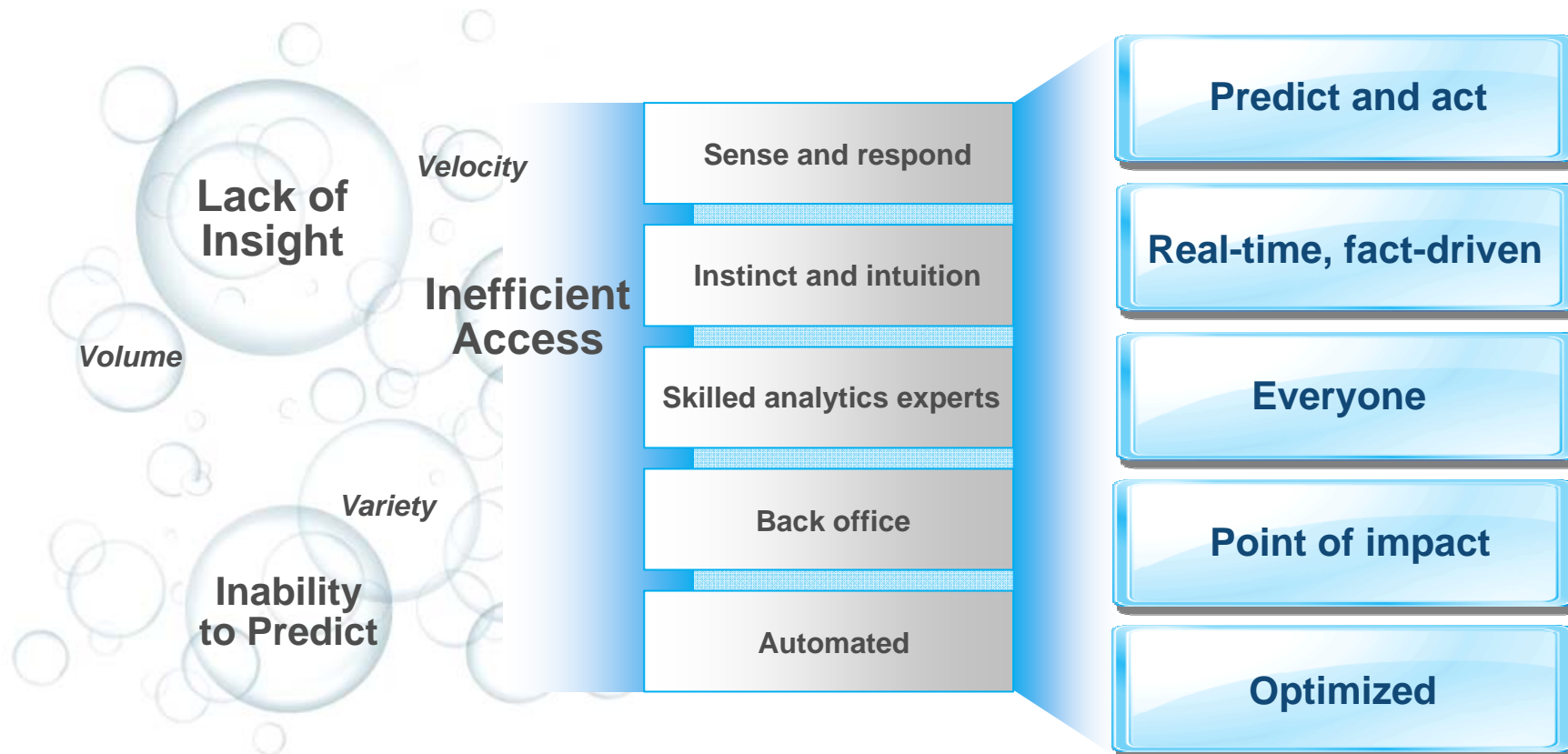


Reduce Costs



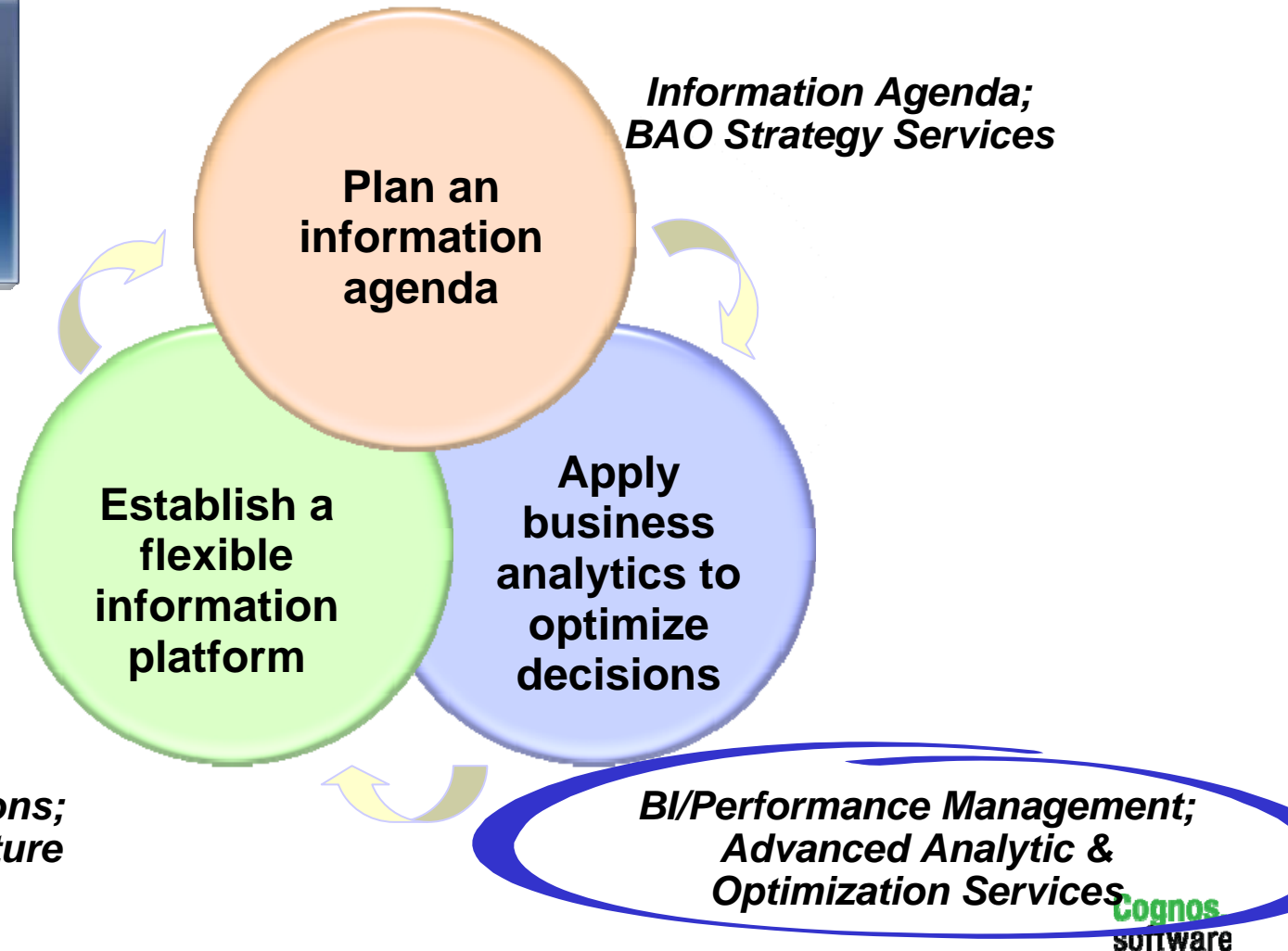
Reduce Risk

Ways to Optimize Decisions and Actions



How Do You Get Started on an Information-led Transformation?

Industry out-performers are **8 times** more likely to pursue information-led transformation at an enterprise level than industry under-performers



**IOD Software & Solutions;
Information Infrastructure**



New insights are delivered through Business Analytics



IBM Business Analytics Value Proposition

IBM Business Analytics delivers
actionable insights for
decision makers at all levels of your
organization, enabling them to **optimize**
business performance

IBM Business Analytics Software Addresses Key Customer Needs

Business Intelligence

Query, reporting, analysis, scorecards and dashboards to enable decision makers across the organization to easily find, analyze and share the information they need to improve decision making

Advanced Analytics

Data mining, predictive modeling, 'what if' simulation, statistics, and text analytics to identify meaningful patterns and correlations in data sets to predict future events and assess the attractiveness of various courses of action

Financial Performance & Strategy Management

Budgeting and planning, financial consolidation, scorecarding and strategy management, financial analytics and related reporting capabilities to help simplify, structure, and automate dynamic and sustainable financial performance and strategy management practices

Analytic Applications

Applications that package business analytics capabilities, data models, process workflows and reports to address a particular domain or business problem (e.g. customer, workforce, supply chain and financial performance management)

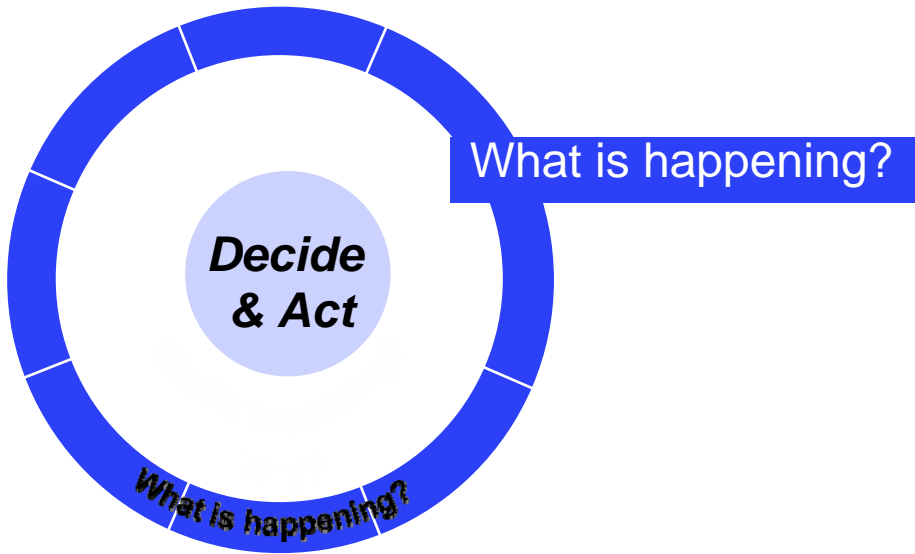
Optimize Business Performance through.....

- ✓ Actionable insights for decision makers
- ✓ Consistent, accurate and trusted information
- ✓ Rich industry solutions, proven practices and professional services



For Example.....

Scorecards & Dashboards



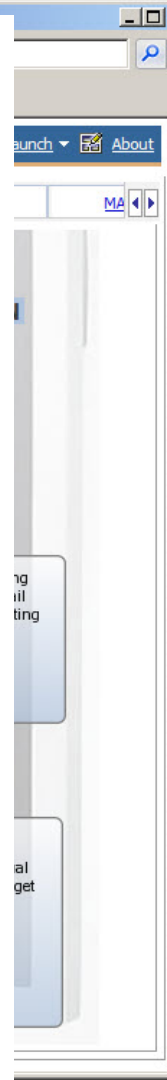
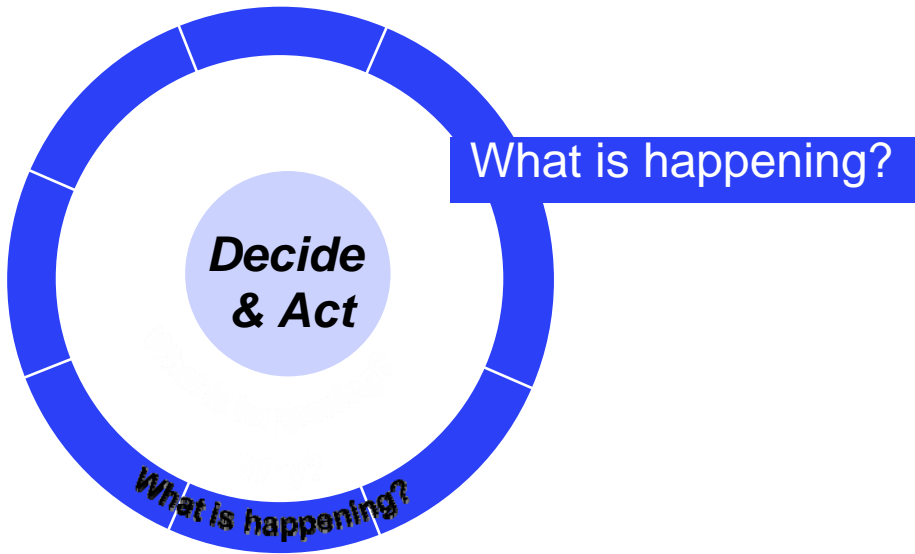
Immediate Insights to Business Performance



For Example.....

Scorecards & Dashboards

Reports



Immediate Insights to Business Performance

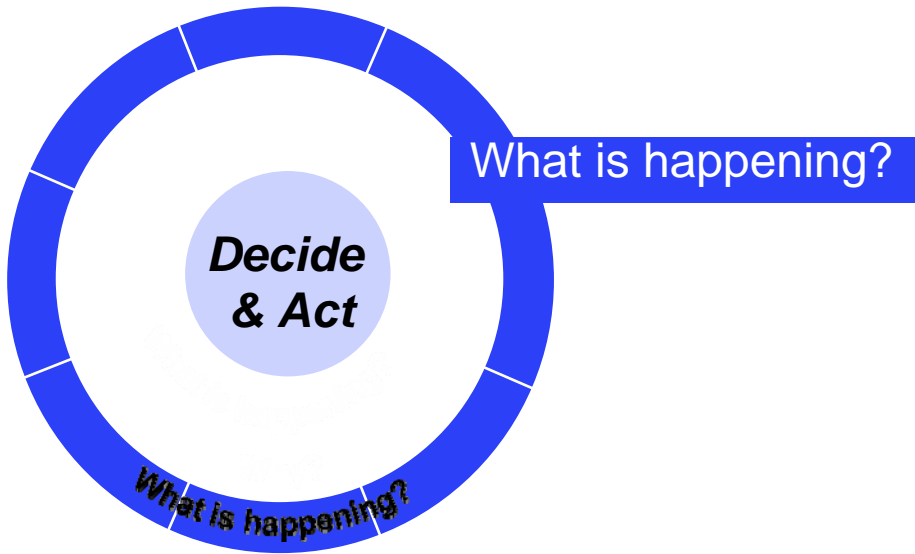


For Example.....

Scorecards & Dashboards

Reports

Real Time Monitoring



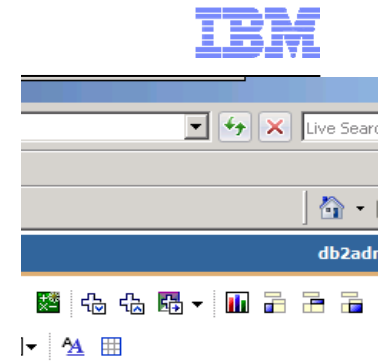
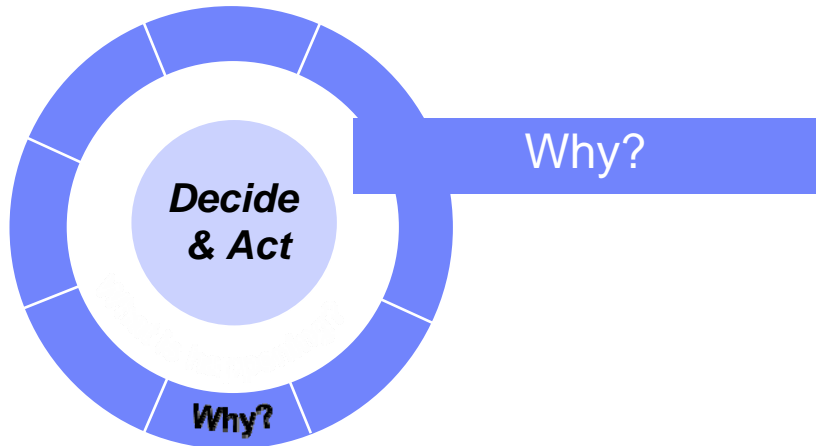
Immediate Insights to Business Performance



Business Analytics

For Example.....

Ad Hoc Query



Product Type

turn quantity	% Returned	Lost revenue
2,282	1.43%	\$211,268
988	1.20%	\$49,798
1,946	1.13%	\$77,840
1,220	1.09%	\$114,826
2,531	0.85%	\$180,182
2,082	0.83%	\$175,235
11,049	1.03%	\$809,148
3,863	1.28%	\$86,377
14,769	1.11%	\$46,522
33,811	1.07%	\$66,270
4,189	1.06%	\$76,868
2,695	1.04%	\$92,897
1,689	0.79%	\$36,428
831	0.41%	\$7,088
61,847	1.06%	\$412,450
10,808	1.33%	\$371,888
3,229	1.31%	\$242,175
23,007	1.27%	\$19,611
10,356	1.19%	\$163,459
26,794	1.15%	\$135,799
10,446	1.13%	\$101,162
19	1.11%	\$387,244
	0.92%	\$109,621

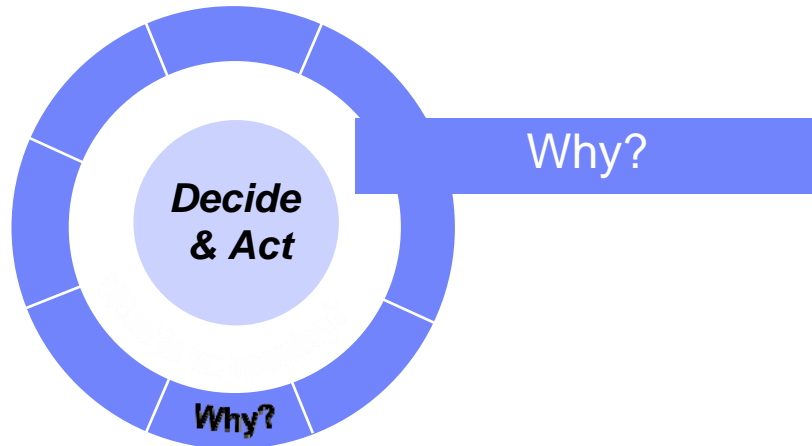
Deeper Analysis of Trends & Patterns



For Example.....

Ad Hoc Query

Trend & Statistical Analysis



Deeper Analysis of Trends & Patterns

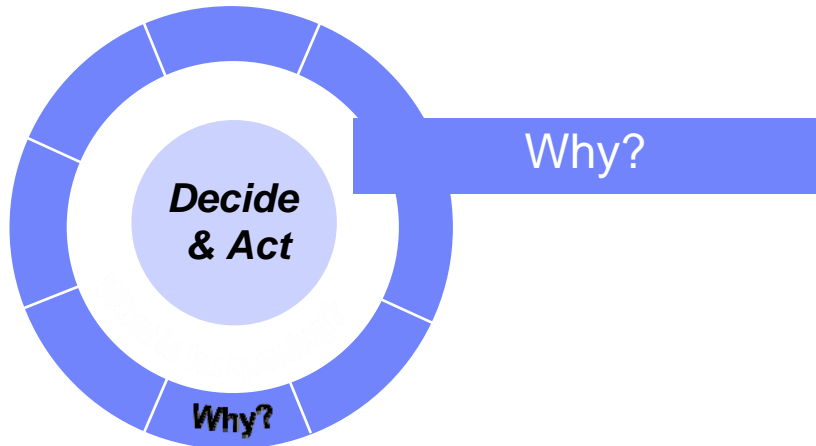


For Example.....

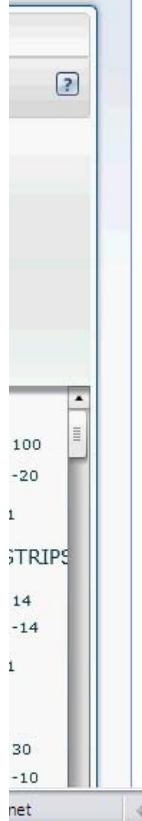
Ad Hoc Query

Trend & Statistical Analysis

Content Analytics

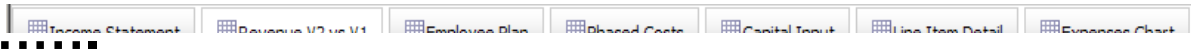


Log Out

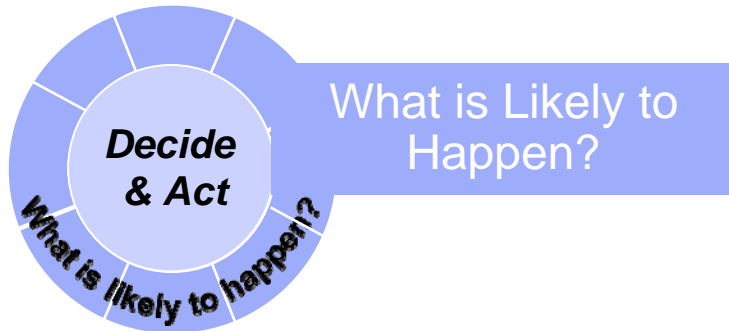


Deeper Analysis of Trends & Patterns

For Example.....



What if



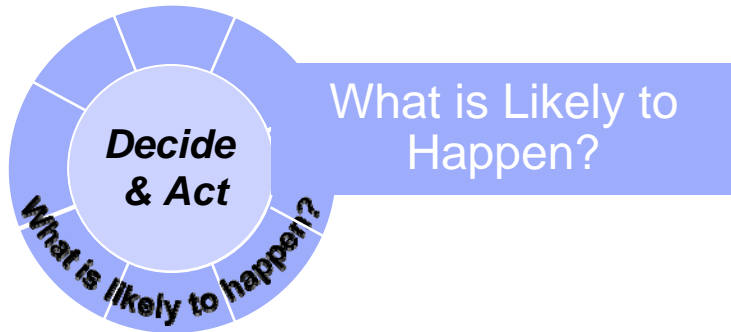
Foresight to Plan & Allocate Resources



For Example.....

What if

Predictive Modeling



MBARetail® - PASW@ Modeler 13

ort %	Confidence %
	15.834
	35.244
	9.58
	53.291
	13.628
	32.08
	20.885
	24.126
	22.195
	22.257
	8.246
	50.89
	28.038
	16.615

Foresight to Plan & Allocate Resources

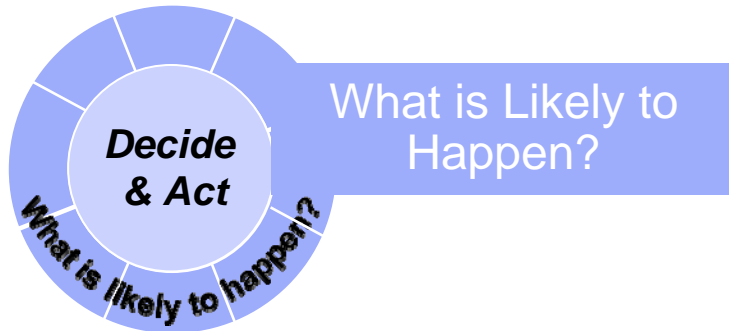


For Example.....

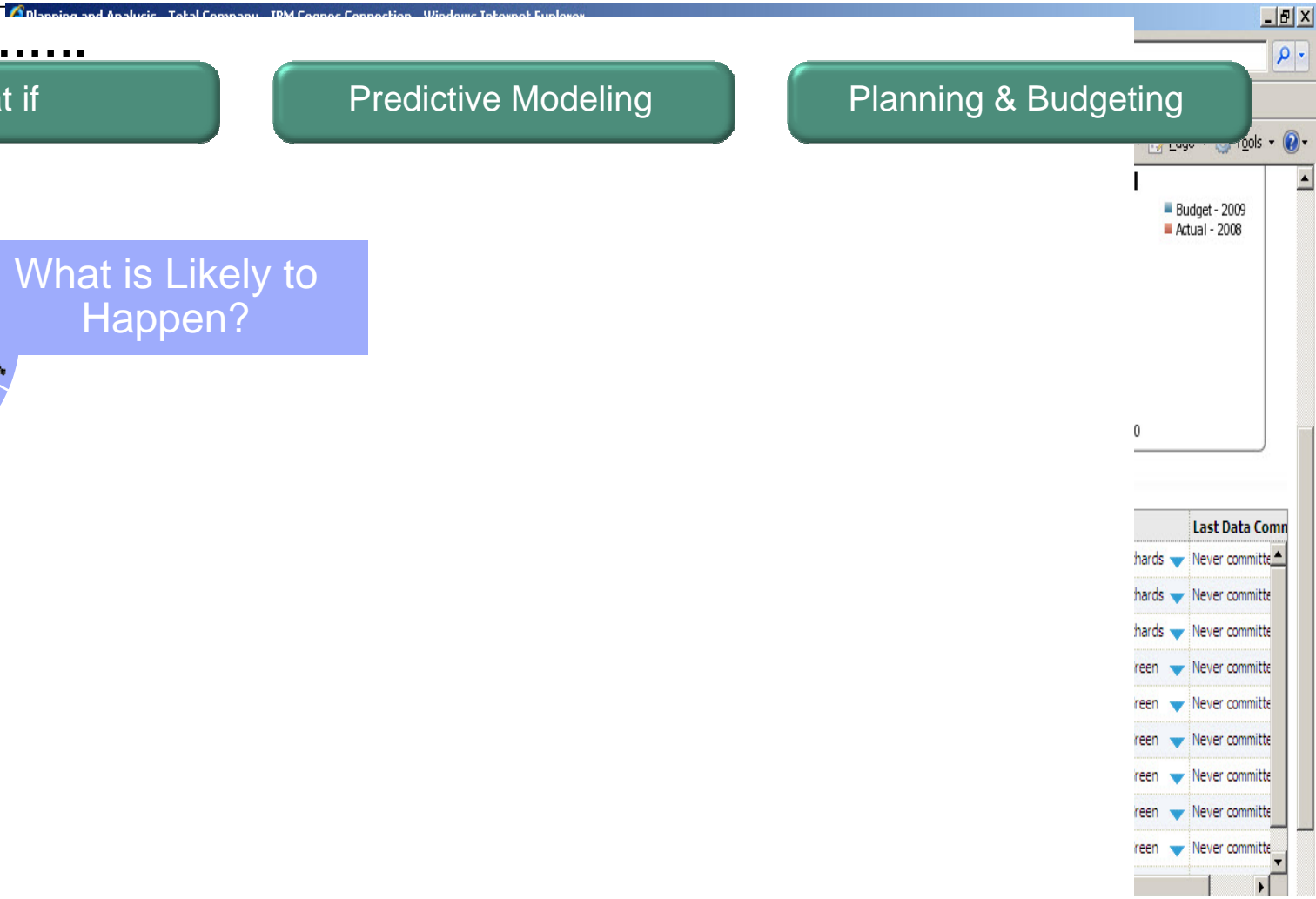
What if

Predictive Modeling

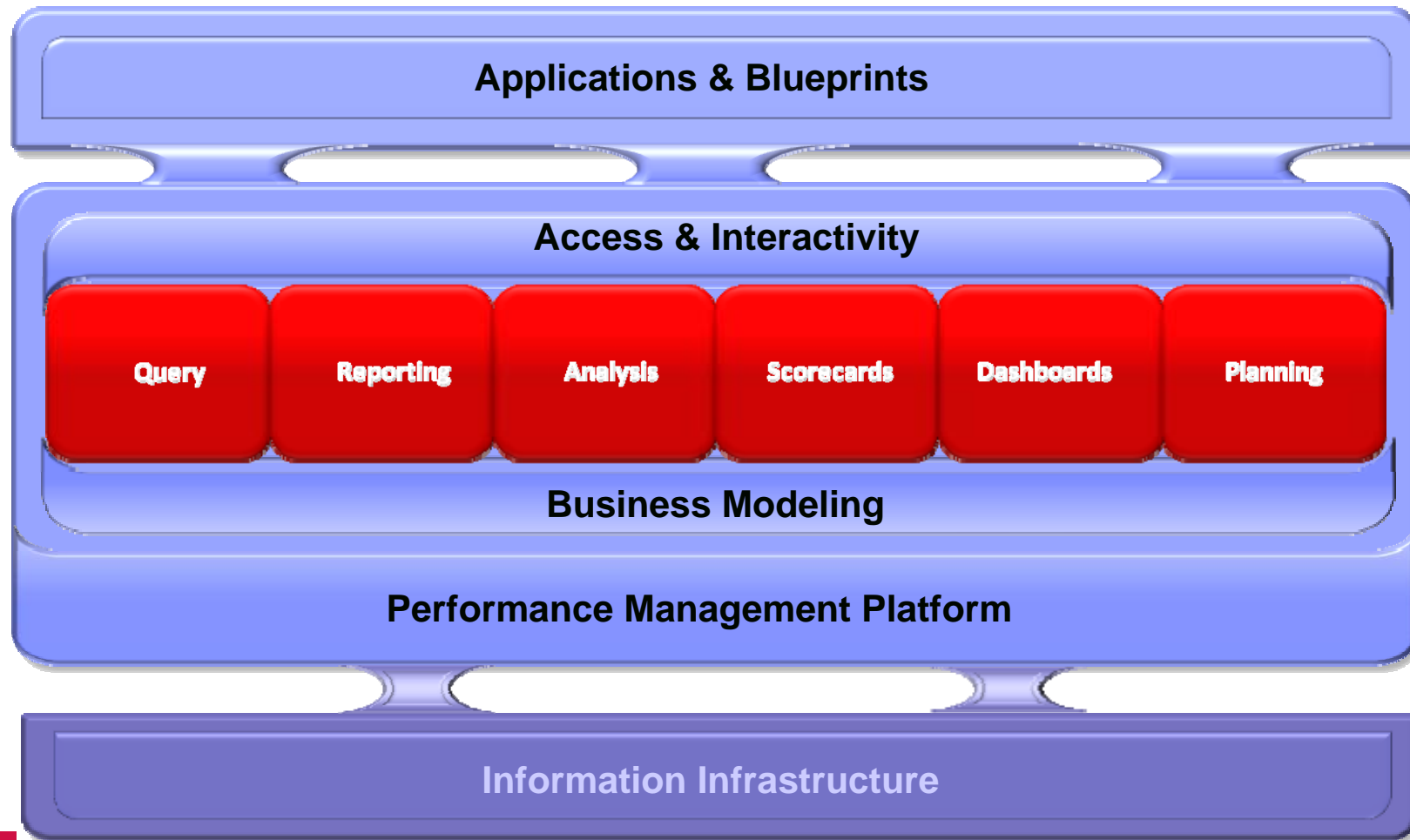
Planning & Budgeting



Foresight to Plan & Allocate Resources



IBM Cognos 8 Performance Management System Universal Capabilities



Optimized Decision Making



Executive



Business Manager



Line Manager



Casual Business User



Business Analyst



Financial Analyst

Intuitive and tightly integrated capabilities accommodate decision makers with different needs and skill sets



Easy access to a consistent, trusted and relevant view of information where, when and how it is needed

Common Business Model



Message Sources



Relational Sources



Application Sources



OLAP Sources



Modern and Legacy Sources



Maximized Business and IT Productivity



Executive



Business Manager



Line Manager



Casual Business User



Business Analyst



Financial Analyst

Self-service increases business satisfaction and productivity, e.g.:

- ✓ Intuitive, self-service reporting and analysis
- ✓ Guided contribution to plans, budgets and forecasts
- ✓ Business dimension management



CIO



Architect



Administrator



BI Professional



DBA



Modeler

Decision-making system is easy to deploy and manage, with capabilities that reduce the burden on IT while delivering higher business satisfaction, e.g.:

- ✓ Open SOA platform that fits your environment
- ✓ Flexible deployment options
- ✓ Author once, publish anywhere

IBM Cognos Analytic Applications



- Faster insight drives smarter, faster decisions and action
- Consistent measurement of business performance and strategy execution
- Anticipate and explore new opportunities
- More effective management of risks and controls

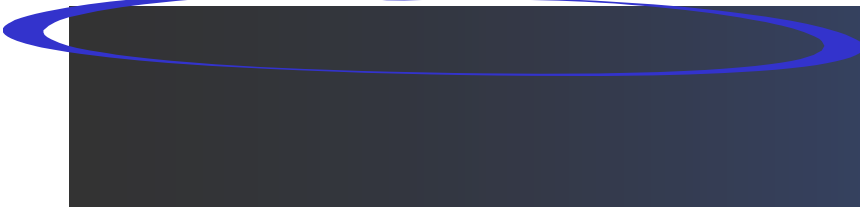
Performance Management System



Faster Insight: Smarter Decisions

Workforce Analytics for insurance firm

provided managers with consistent reporting to assess employees' performance



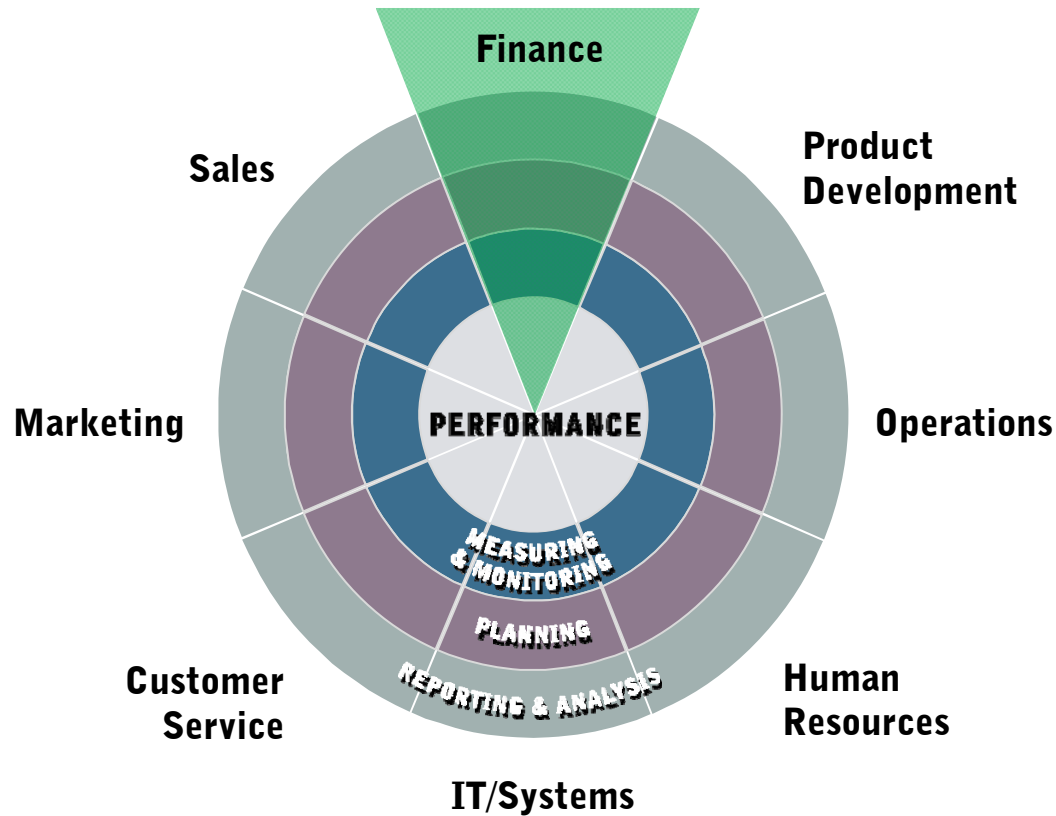
Oil & Gas international company projected \$2-\$5M in savings with consolidated analysis of spend



Manufacturer pinpointed sales territory that was discounting too heavily and impacting revenue



The Performance Challenge for Finance



- More than 50% manually produce operational metrics

CFO Survey, IBM Institute of Business Value, 2010

- Finance continues to spend nearly 50% of their time on transactional activities

CFO Survey, IBM Institute of Business Value, 2010

- 47% of a financial analysts time is spent on collecting and validating information

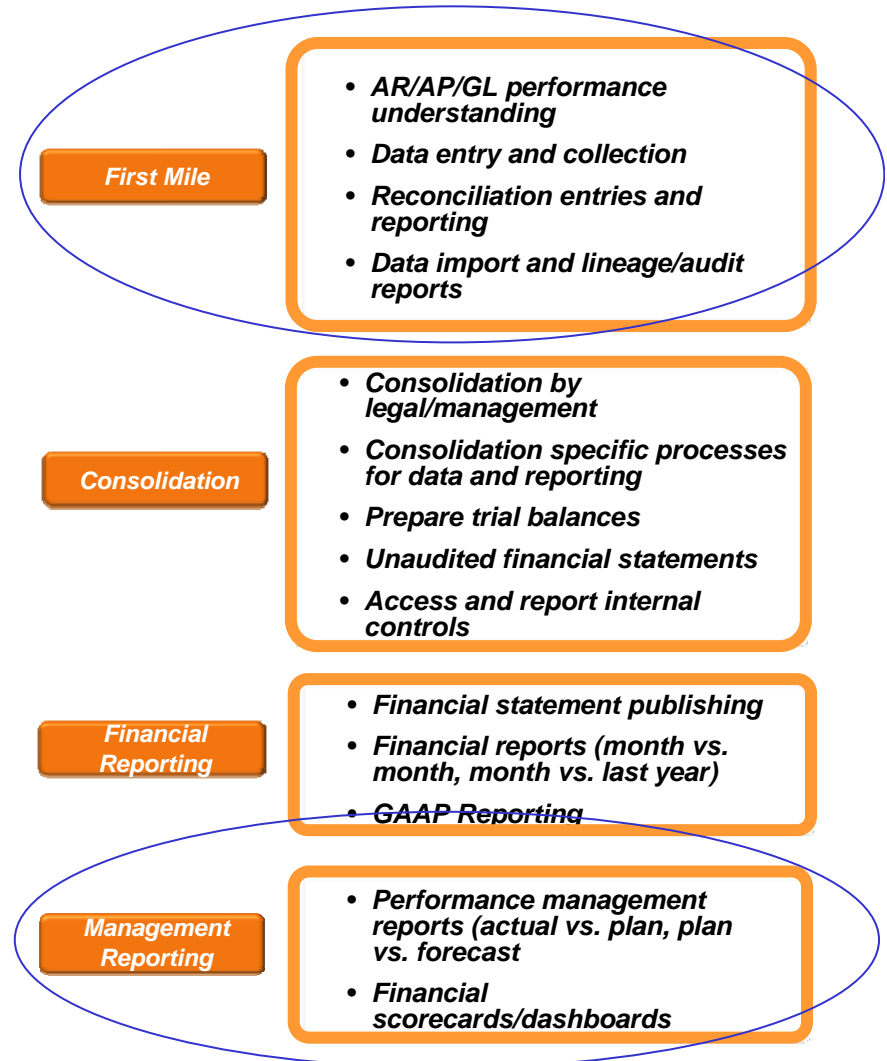
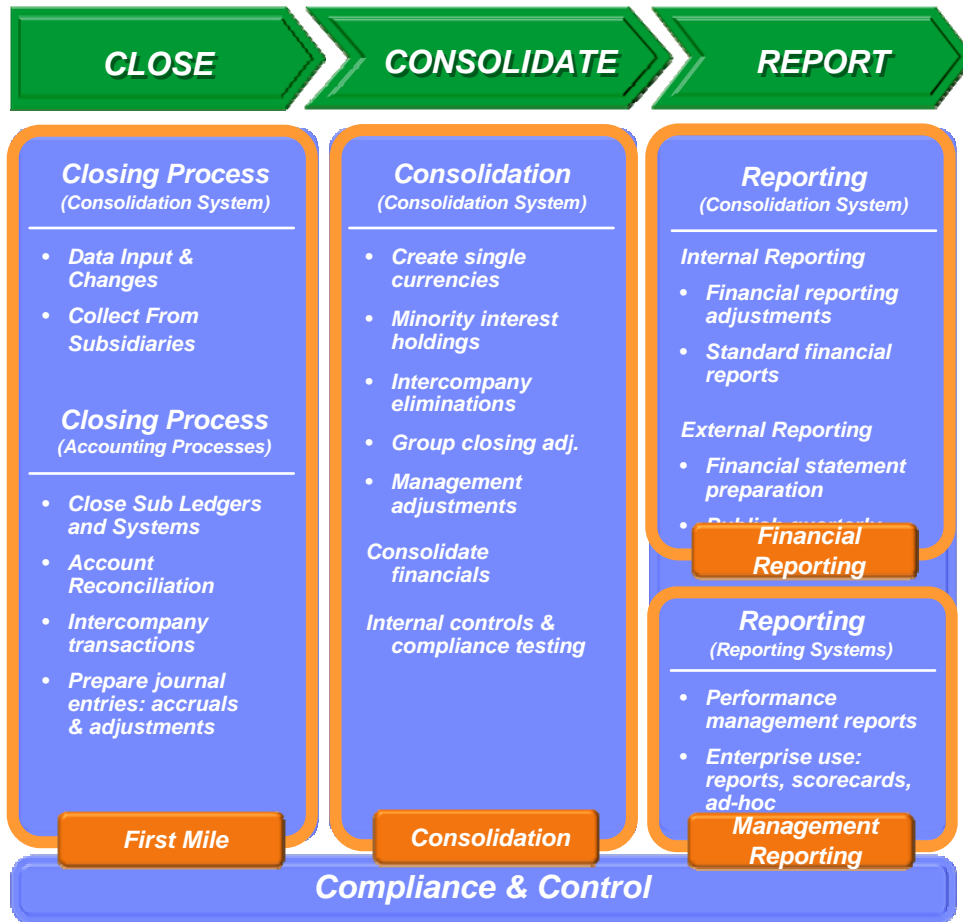
APQC Survey, 2009

- Over 25% lack common data definitions and processes

CFO Survey, IBM Institute of Business Value, 2010



Financial Reporting Cycle



A Typical Scenario



Controller

“We need a baseline approach to assess cash inflow and outflow from our transaction systems, so that we can begin assessing an integrated working capital strategy.”

- **Need a solution to answer what happened and when**
- **Need timely access to ALL my financial data**
- **Need a consistent and cost-effective way to “know”**



Implications for Financial Management Reporting

- Spreadsheets, spreadsheets, spreadsheets
- Inconsistent data from which to make decisions
- Different reporting formats
- Time-consuming financial reporting

What’s Required

- Single system with packaged out-of-the-box reporting
- Adapts to my changing business requirements
- Financial decision making alignment to preserve cash
- Drive efficiencies in AP and AR processes



Financial Management Reporting

What are gain insight into financial management reporting that improves internal reporting costs and efficiencies ...

<i>Office of Finance Reporting Performance Metrics</i>	<i>Median</i>	<i>Benchmark</i>
<i>Systems cost to perform general accounting per \$100,000 US revenue</i>	<i>\$8.63</i>	<i>\$2.83</i>
<i>Cycle time in <u>days</u> to produce period end management reports</i>	<i>6.00</i>	<i>3.00</i>
<i>Total cost of the process “provide financial reporting” per \$100,000 US revenue</i>	<i>\$0.67</i>	<i>\$0.28</i>
<i>Average time in weeks to make a change in the production environment, including activities associated with end-to-end activities associated with making the change, such as coding, testing, configuration and deployment</i>	<i>10.00</i>	<i>2.00</i>
<i>Average time in weeks to fulfill a simple information need</i>	<i>4.00</i>	<i>1.00</i>



IBM Benchmarking Wizard – General Accounting and Financial Survey, 2009



Faster Insights: Smarter Financial Decisions

Packaged Business Intelligence

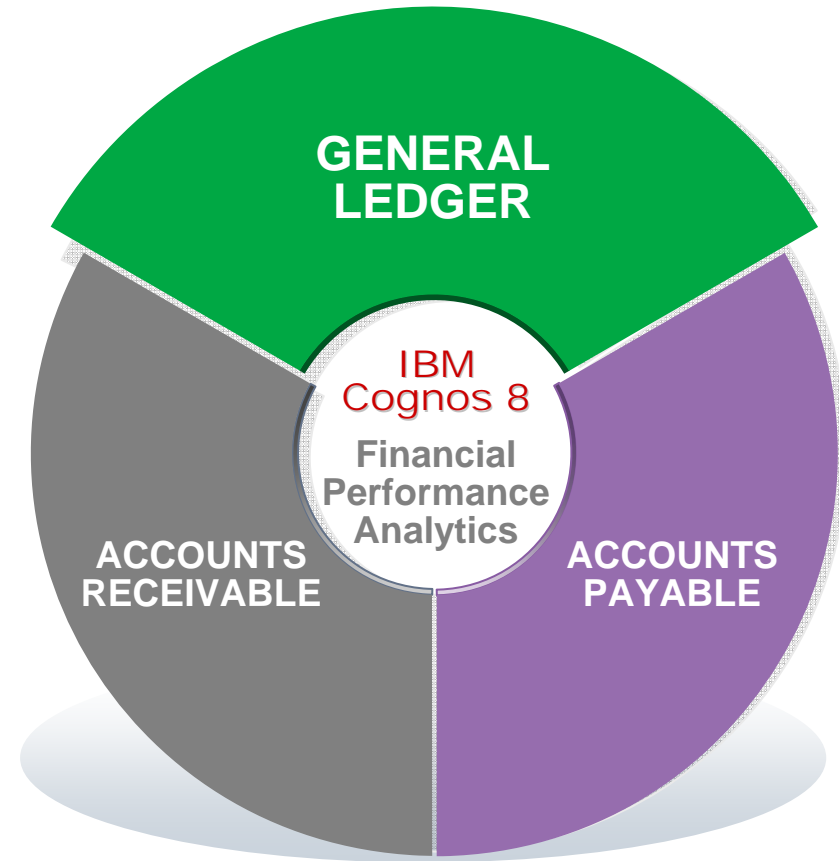
- Eliminate manual, inaccurate and costly internal controls using consistent reporting and analysis to support a faster close process
- Improve the efficiency of finance and operations with standard self-serve management reports
- Ensure the alignment of performance goals using standard financial reports and analysis enterprise wide

Adaptability

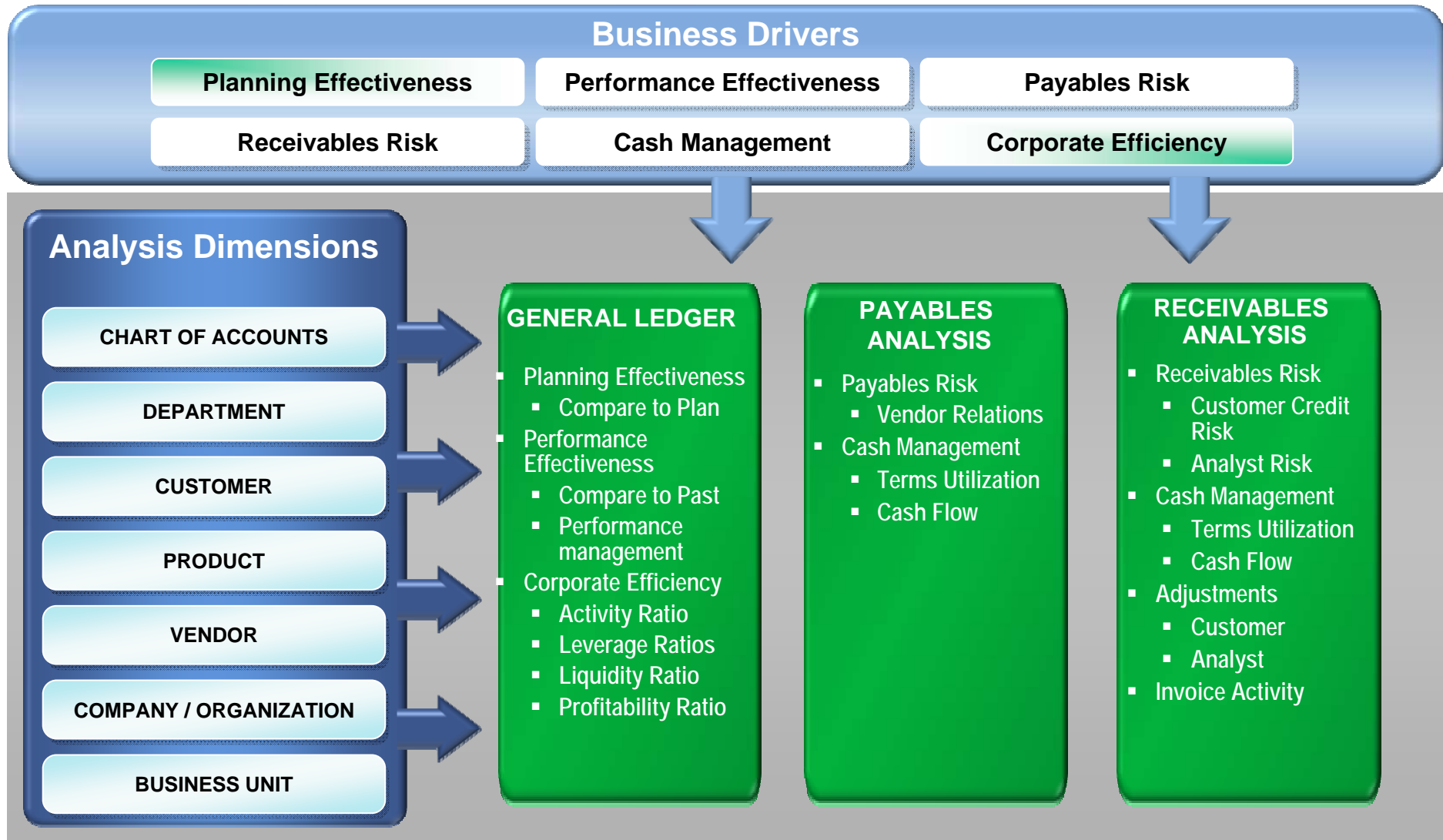
- Configure report changes to ensure continuously relevant content
- Synchronize application changes automatically
- Extend the business model to other departments

Enterprise-wide Platform (IBM Cognos 8)

- Ties together BI with financial performance and strategy management



IBM Cognos Financial Performance Analytics

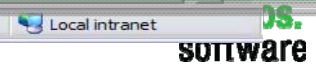
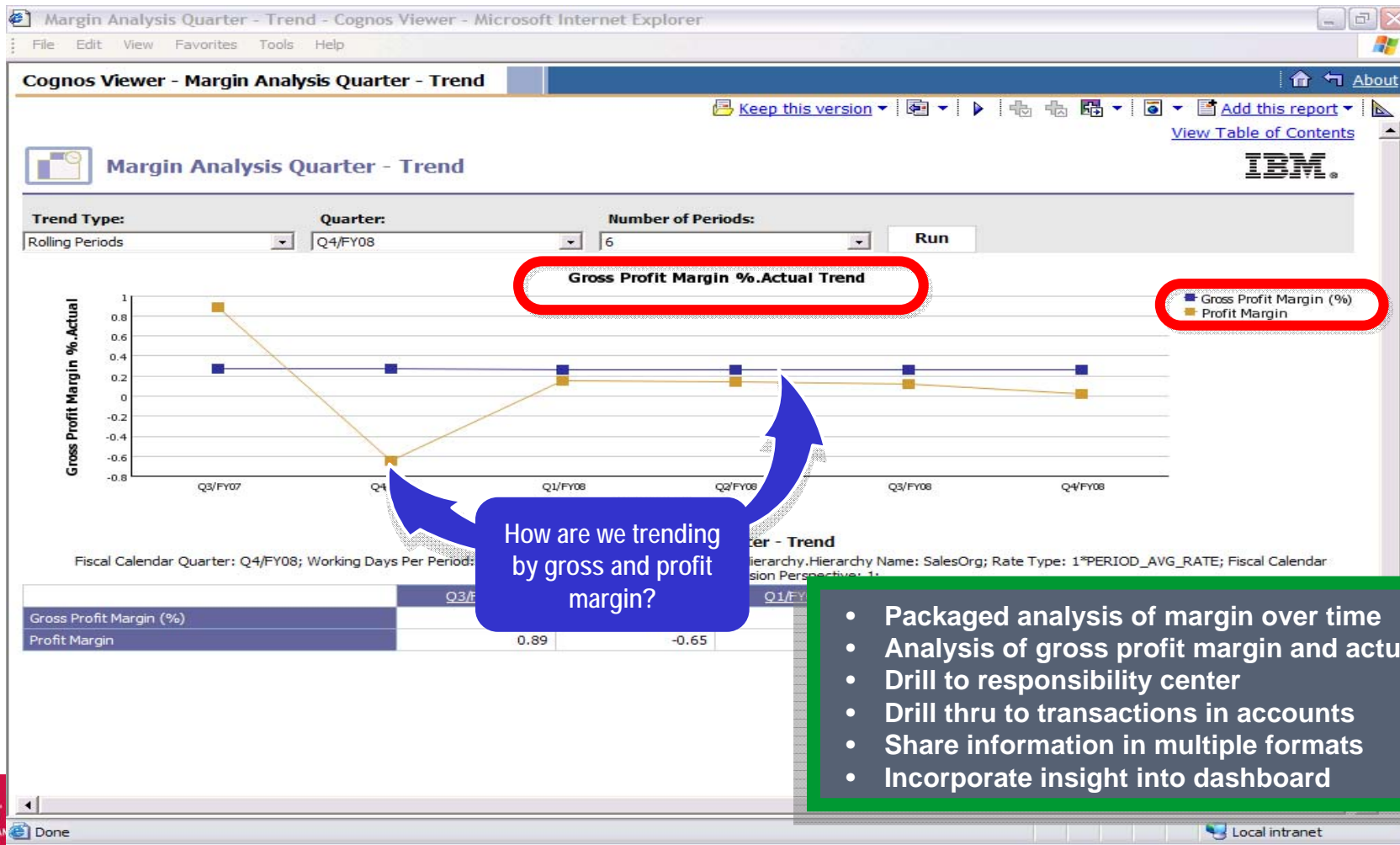


General Ledger Analysis



General Ledger Income Analysis

How is our Margin Trending Quarter Over Quarter?

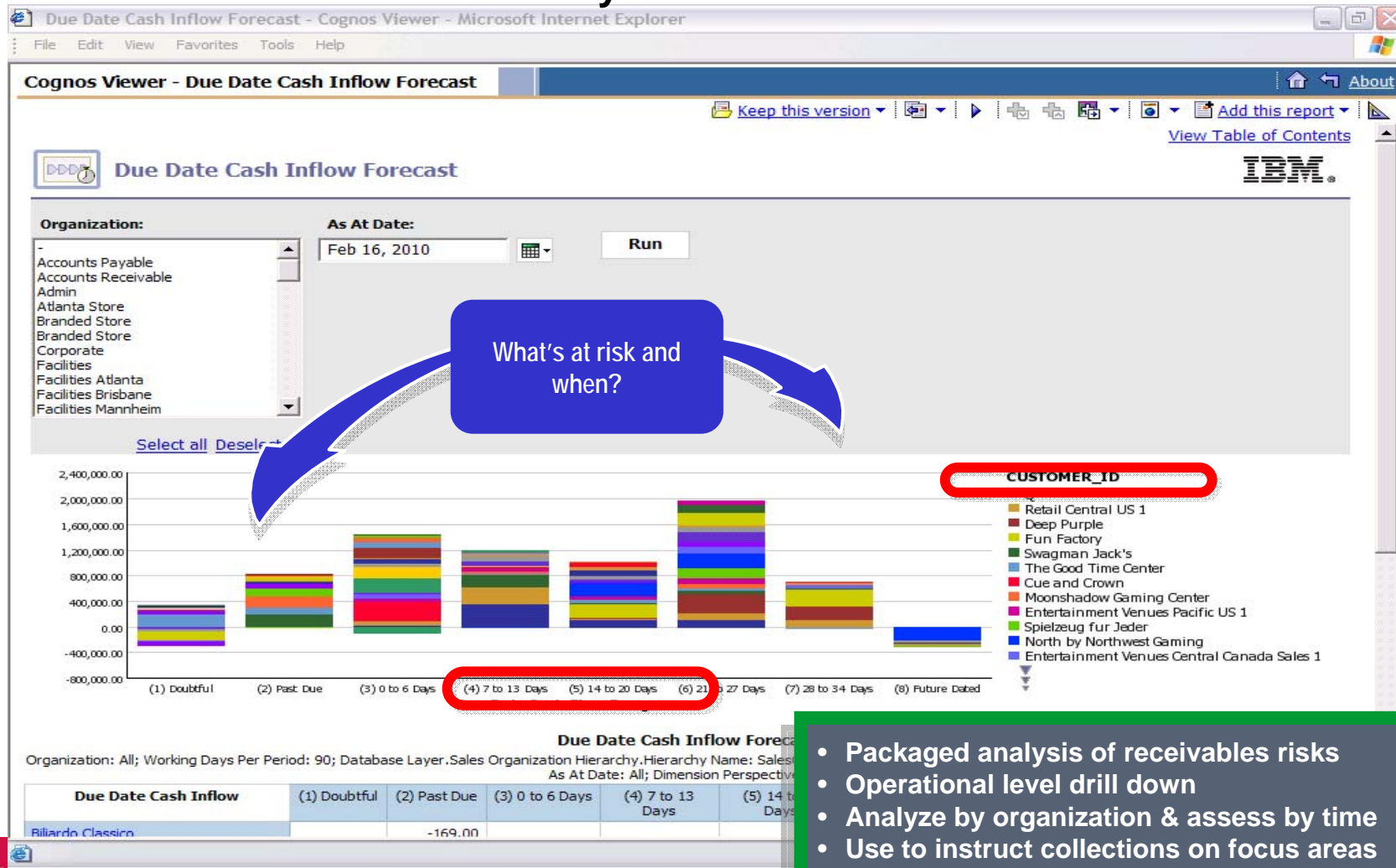


Accounts Receivables Analysis



Cash Inflow Analysis

What are my cash inflow trends?



- Packaged analysis of receivables risks
- Operational level drill down
- Analyze by organization & assess by time
- Use to instruct collections on focus areas

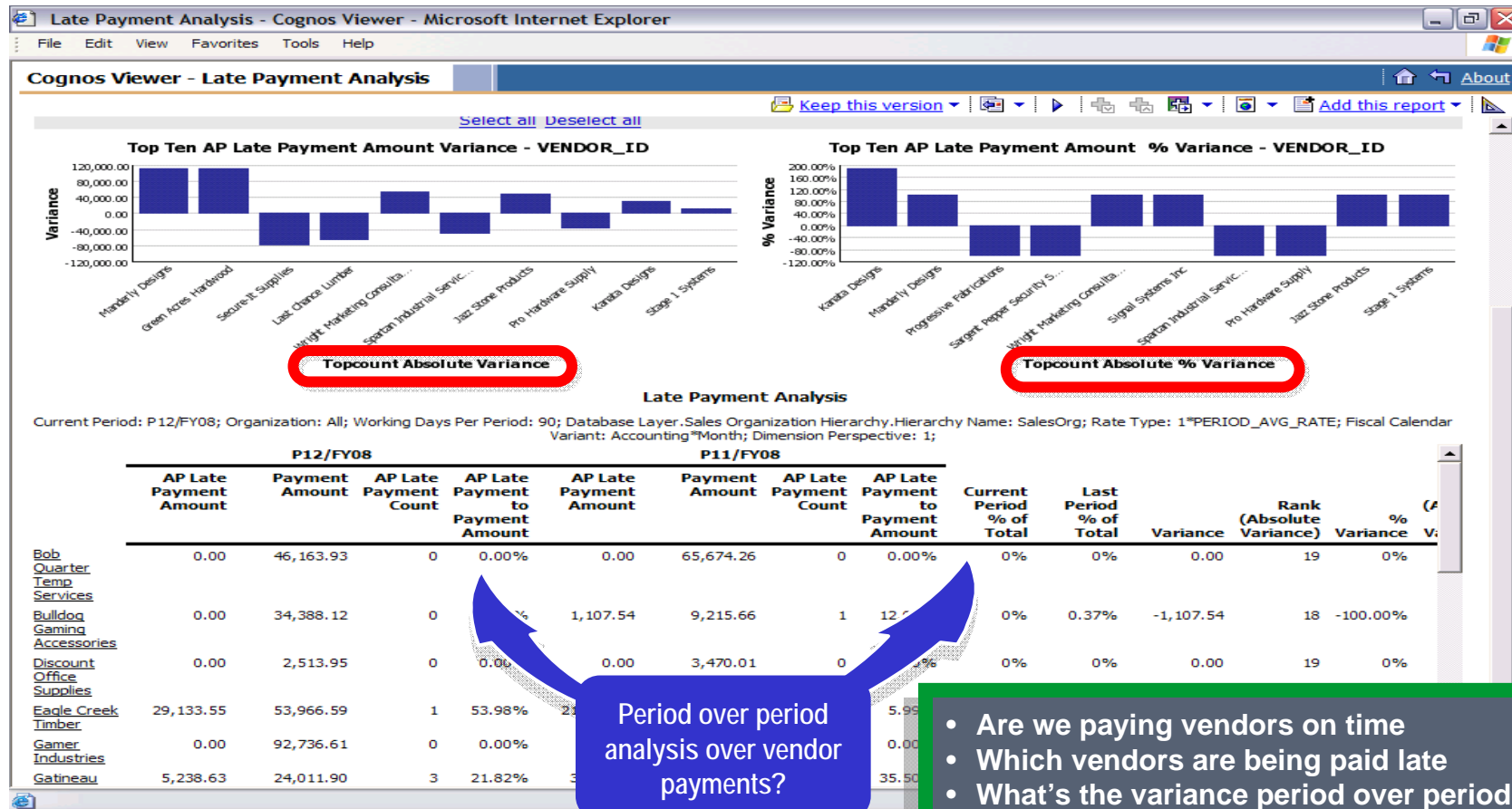


Accounts Payables Analysis



Late Payment Analysis

What's Owed to Which Vendor?

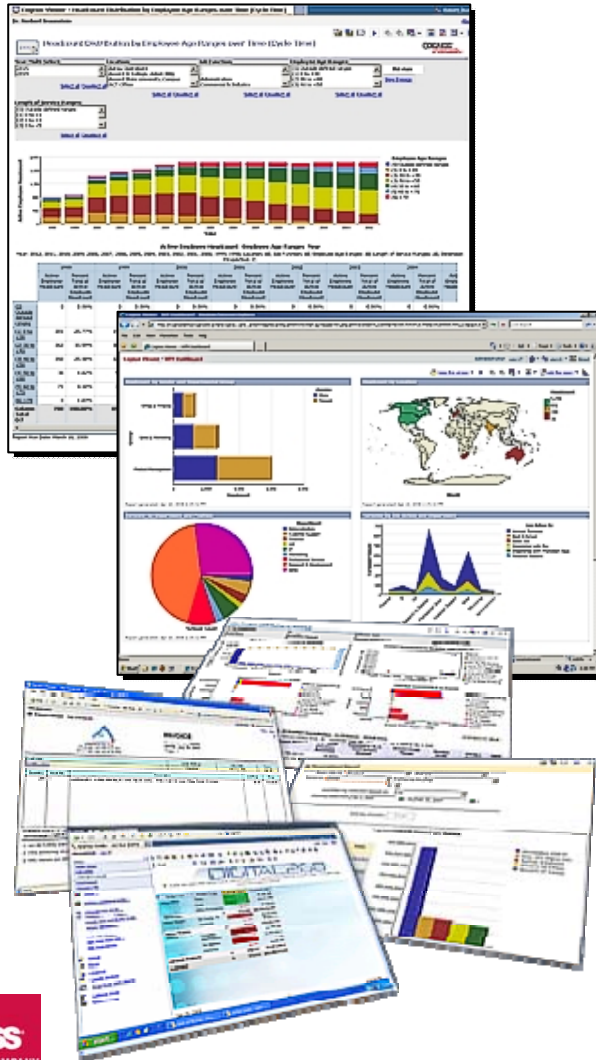


Period over period analysis over vendor payments?

- Are we paying vendors on time
- Which vendors are being paid late
- What's the variance period over period
- How often are we late
- Which vendors to we owe the most to



Making Businesses Smarter



- A starting to point to a performance system with consistent reporting and analysis from multiple systems
- Faster time-to-value with packaged analytics
- Information leveraged as a strategic asset to affect business change
- Aligned business outcomes to manage risk and controls
- Smarter Decisions = Smarter Business

Challenge: Application Manageability

Dynamic Reporting Environments Are Difficult to Manage



CIO

"Requirements activities impact up to **35%** of a project effort, and can cause waiting time, and redundant activities that eat up to **10%** of your budget"



Executive

"Only **22%** of executives felt that their IT and business strategy were tightly integrated"



Finance

"**49%** of budgets suffer overruns and **62%** fail to meet their scheduled"



IT

30% of all project costs are associated with rework. Requirements mistakes account for up to **70%** of this cost



Operations

"**50%** of data warehouse projects fail and can take **16-18** months to complete."

Growing focus on business outcomes

"CIOs are under pressure to enable their teams to become **catalysts for change**. However, **change is outpacing their ability to deliver**.

They are reorienting their teams to **focus on ROI & quantified business outcomes** and to **mitigate risk and reduce costs**"

– IBM CIO Survey



Summary of Challenges for IT

Managing Information

- Build and maintaining data warehouses that often have a high project failure rate and cost several million dollars
- Lengthy business requirements and complex fulfillment processes
- Fragmented, multiple technologies with little integration
- Extensive customization that's time-consuming & costly
- Manually driven iterative processes that are mistake prone

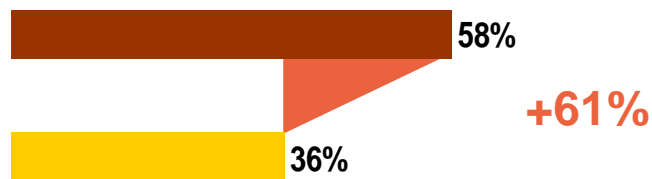
Providing Insight

- Ad hoc reporting environment and limited depth of reporting and analysis strains internal resources
- Must report from multiple data sources
- Gather requirements, design, author and change reports
- Lack of skills and expertise in departmental areas, such as finance, HR, procurement or sales



CIOs are Skilled Customer Advocates that Create Value by Truly Understanding What Customers Want

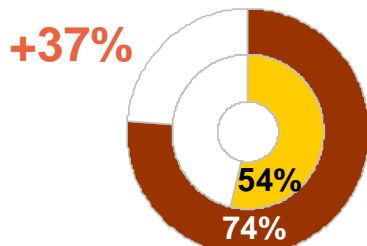
High growth CIOs proactively craft data into actionable information



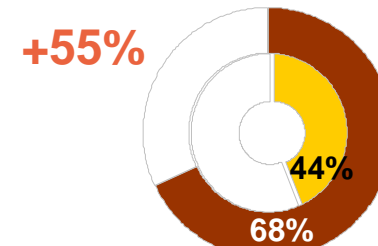
"We do recognize the strategic advantage of using data to support improved decision making. We are not as strong as we would like to be, but this is a key plank of our strategy moving forward."

Consumer products CIO, Ireland

CIOs expect end-customers in five years to continuously explore new channels...



... and anticipate much greater levels of integration and transparency with customers in the next five years



Low growth High growth

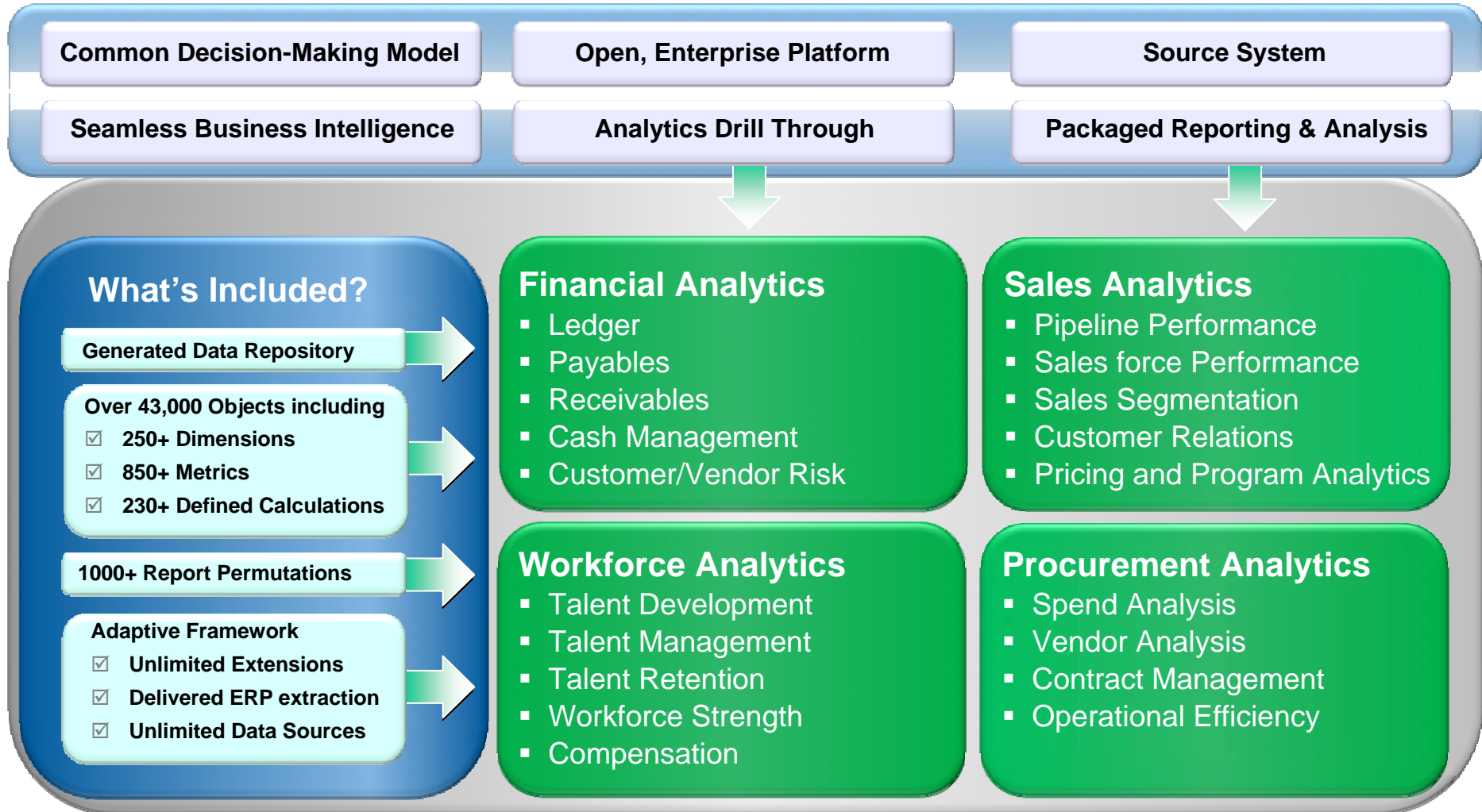


Faster Insight: Smarter Decisions



- **Packaged Business Intelligence** – Self-serve, ready made reports that reduce ad hoc custom reporting
- **Highly Adaptable** – Configurable drag-and-drop interface that reduces re-work, ensures continuously relevant content and speeds time to insight
- **Extensibility** – Create new insight by extending the business model to new areas for analysis using an extensive range and combination of measures and dimensions

What's in the Box...



Why We're Different – Adaptability

Build Option

- Time to insight = Long
- Requirements = Outdated
- Cost of maintenance = High
- Multiple touch points

Buy Option

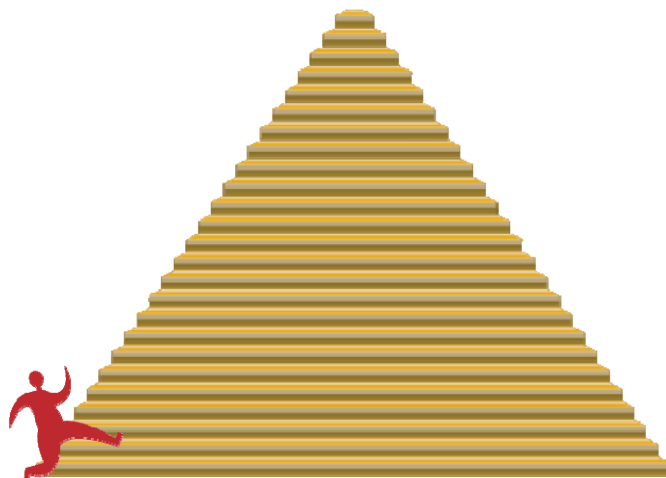
- Requirements = Rigid
- Custom business logic = Hard
- Extensibility = Low
- Multiple touch points

Our Approach

- Business-centric vs.. data centric
- Highly configurable drag-and-drop interface for the modifications to reports and addition of new ones
- Automated synchronization of core components that eliminates manual work
- Extensible business model for a wider analysis of performance

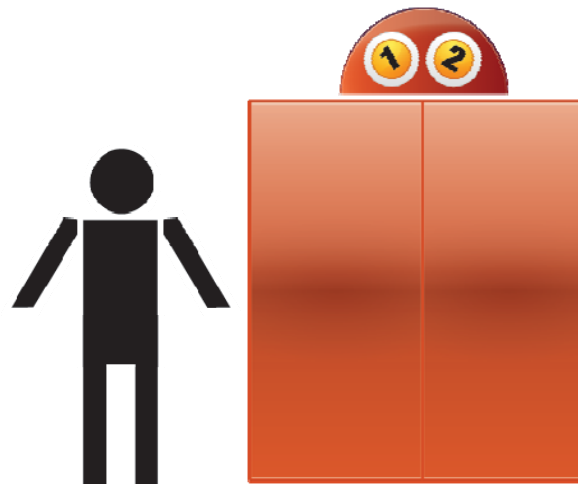
What's the Difference – Time to Value

Other Analytic Applications



25
Average number of touch points to change a traditional packaged report

IBM Cognos Analytic Applications



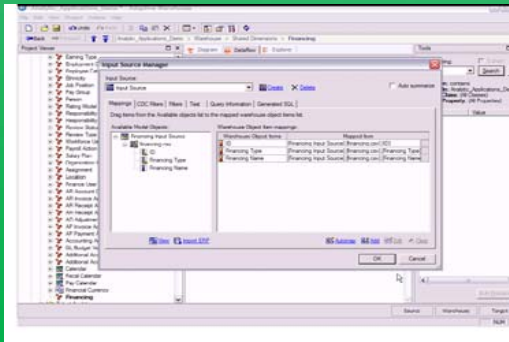
2
Average number of touch points to change a traditional IBM Cognos Analytic Applications



Adaptable – From Data Source to Insight

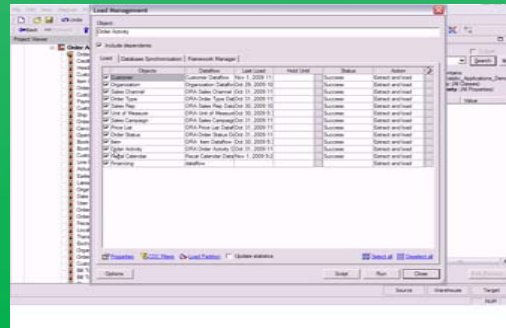
CONFIGURATION

Ensure continuously relevant content through drag-and-drop configuration changes to and modification of reports



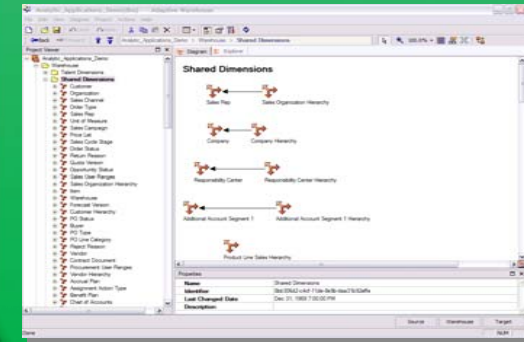
SYNCHRONIZATION

Synchronize the generation of application ETL, data warehouse, semantic and reporting layer



EXTENSIBILITY

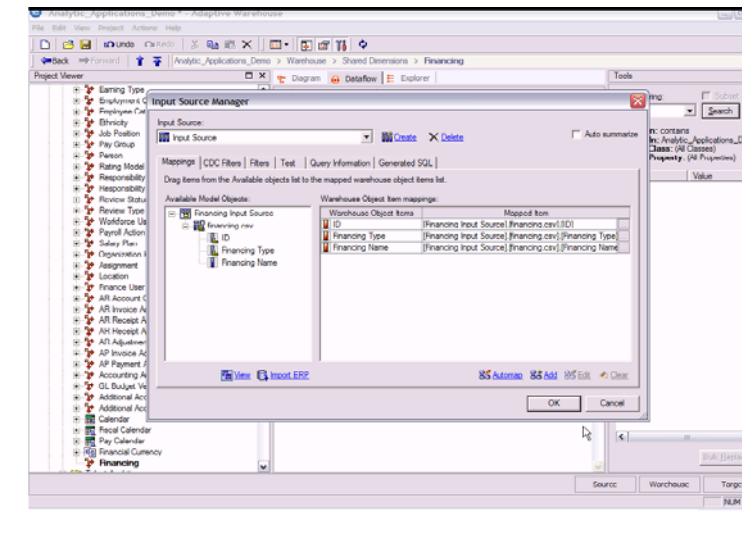
Extend the business model to other areas of analysis for a more integrated and expanded view of performance



Configuration –

Make changes to business rules, data attributes and source through a drag-and-drop process to ensure continuously relevant reporting content, while eliminating much of the coding, customizing and interpreting of data involved with other vendors' solutions

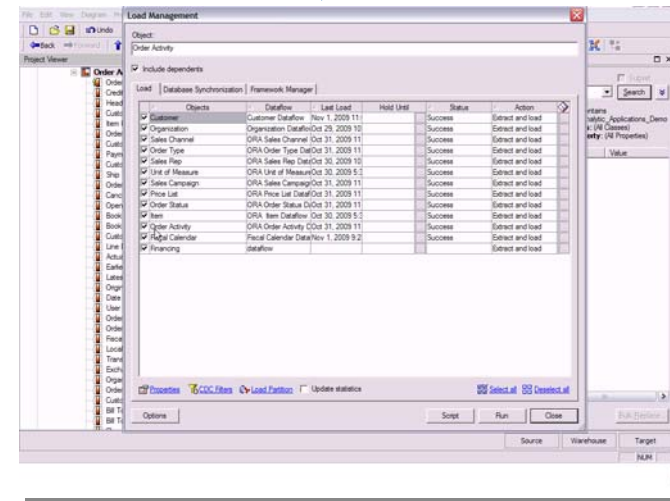
- **Reduce manual re-work** with drag and drop configuration that maps new or modified reporting information to existing or new data sources automatically – including easily handling flex fields
- **Meet new reporting requests quickly** by configuring and validating reports before they are published to stakeholders
- **Improve ROI** by continuously creating new reporting and analysis that meets the ever changing business requirements of your organization



Synchronize –

Automatically synchronize the generation of core components of the application's ETL, data warehouse, semantic and reporting layer ... seamlessly from source to insight

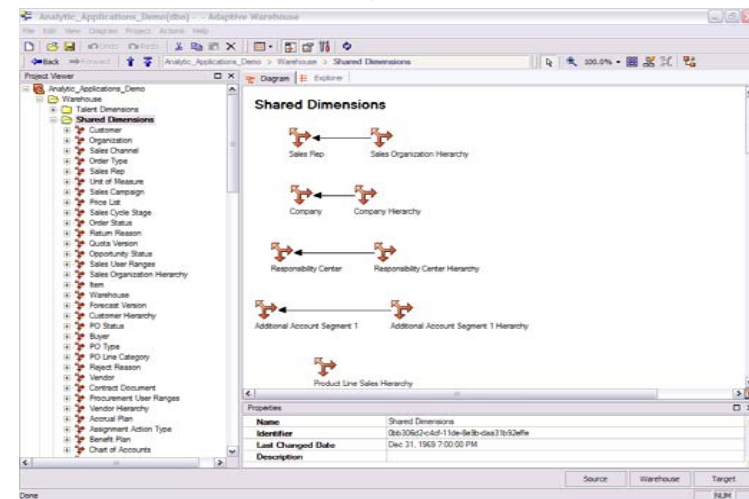
- **Better manage your asset** as the application automatically synchronizes component changes to generate scripts to the DW schema, the ETL code and the BI semantic layer to make the attribute available for a new report
- **Less work, fewer errors** with only 2 interfaces to synch changes to the application vs. 25 with other vendors' solutions
- **Improve ROI** by improving efficiencies involved in meeting business requirements and making reporting changes



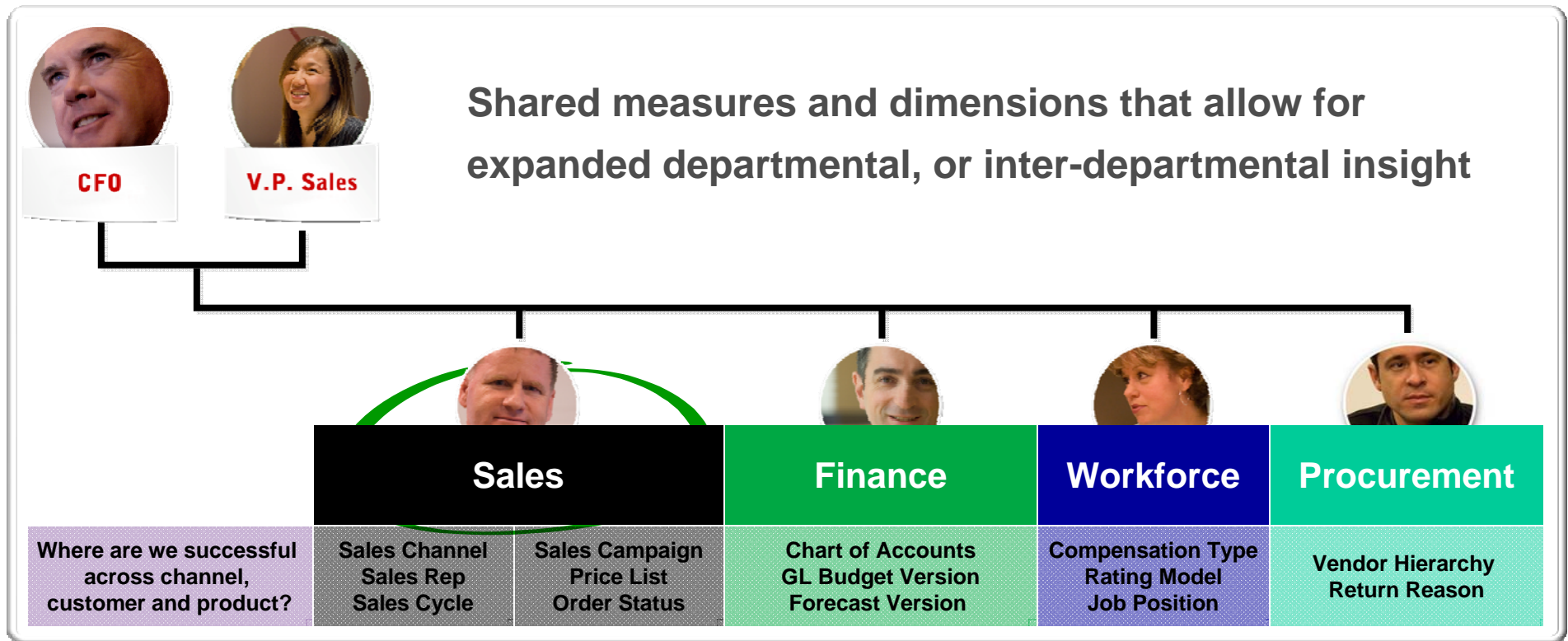
Extensibility –

Combine a robust range of measures and dimensions, or simply create new ones to extend the business model and gain new performance insight cross-departmentally, or within existing ones

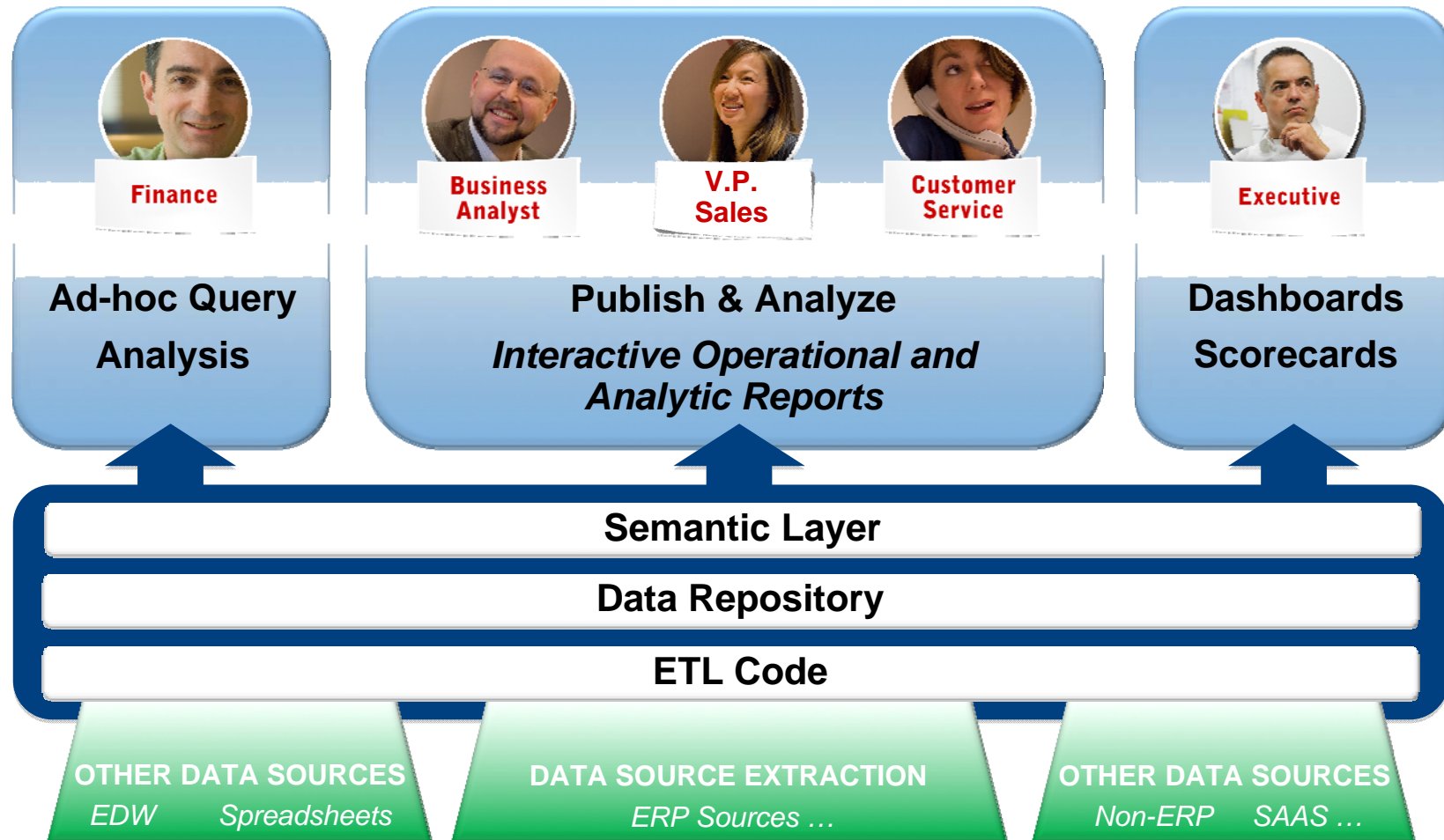
- **Create cross-departmental insight** by leveraging existing business models as opposed to setting up another silo of information and trying to manually integrate it into your existing environment.
- **Better application management** by using an extensive library of available measures and dimensions, or create news ones, through a single touch point (AW) that can multiple data sources
- **Meet corporate reporting** requirements more cost-effectively and quickly with a configurable drag and drop interface that uses a single application management model



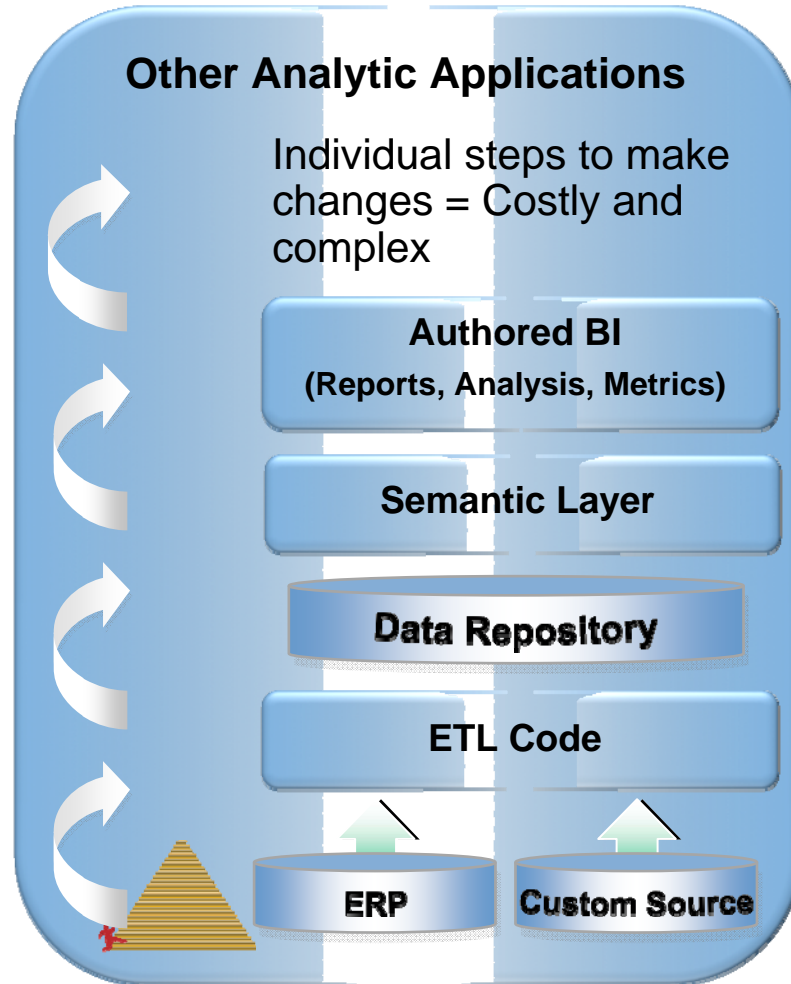
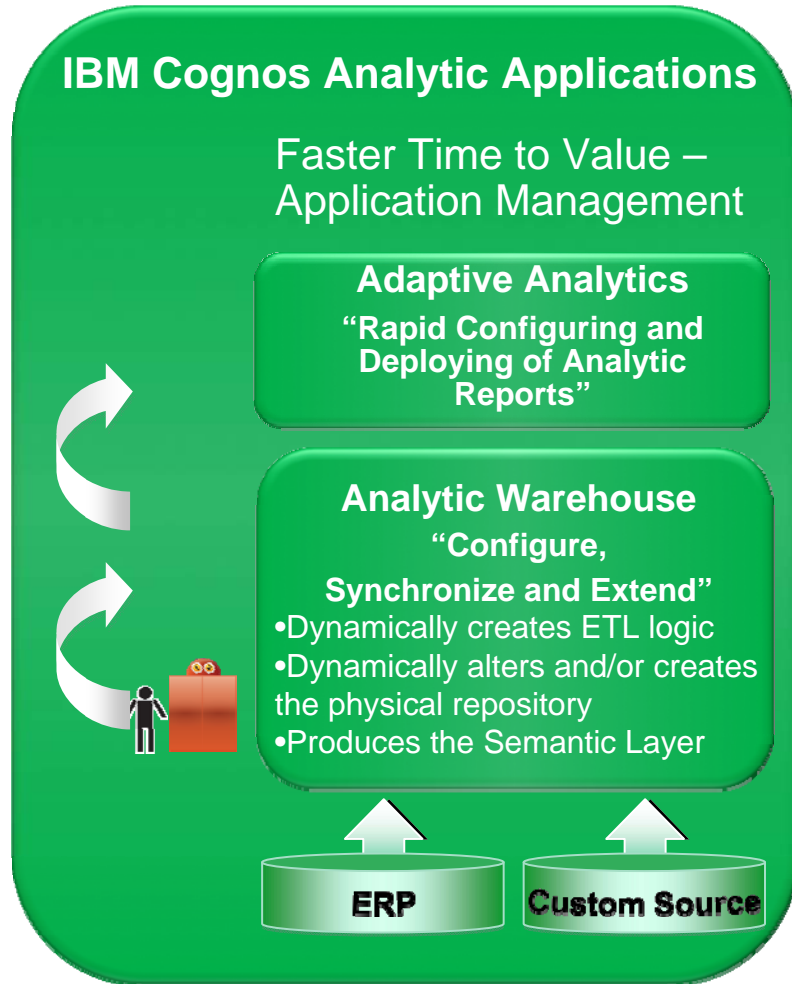
How We Do It...Extensible Business Model



How We Do It...



The Benefit for Your Team



More Effectively Managing Your Investment

Your Pains

- **High project costs:** Poor requirements gathering contributes 70% of rework costs, or \$1,300 per defect
- **Disconnect between business goals and requirements solution:** Disconnect results in too much rework, high costs, and poor quality
- **Delays in time to market:** Lost cycles and time, arising from lack of collaboration and challenges in coordinating plans, process and resources across teams
- **Labour intensive to meet LOB needs:** Resource constrained IT departments not meeting simple requests in a timely manner

Our Approach

- Improve your team's productivity by **automating labor-intensive processes** involved in changing business requirements
- **Deliver value to LOB stakeholders faster** by proactively meeting reporting and analysis for ever-changing inputs
- **Extend the value and lifecycle** of your application with continuously relevant content
- Gain better **TCO and ROI** with automatic upgradeability and manageability



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