## Important Disclaimer

- THE INFORMATION CONTAINED IN THIS PRESENTATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.
- WHILE EFFORTS WERE MADE TO VERIFY THE COMPLETENESS AND ACCURACY OF THE INFORMATION CONTAINED IN THIS PRESENTATION, IT IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED.
- IN ADDITION, THIS INFORMATION IS BASED ON IBM'S CURRENT PRODUCT PLANS AND STRATEGY, WHICH ARE SUBJECT TO CHANGE BY IBM WITHOUT NOTICE.
- IBM SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING OUT OF THE USE OF, OR OTHERWISE RELATED TO, THIS PRESENTATION OR ANY OTHER DOCUMENTATION.
- NOTHING CONTAINED IN THIS PRESENTATION IS INTENDED TO, OR SHALL HAVE THE EFFECT OF:
  - CREATING ANY WARRANTY OR REPRESENTATION FROM IBM (OR ITS AFFILIATES OR ITS OR THEIR SUPPLIERS AND/OR LICENSORS); OR
  - ALTERING THE TERMS AND CONDITIONS OF THE APPLICABLE LICENSE AGREEMENT GOVERNING THE USE OF IBM SOFTWARE.



# IBM Cognos Performance Better Intelligence. Better Business.

# What Every IT Professional Needs to Know About Driving Smarter Decisions

Lengyel Kornél Technical Pre-Sales for Cognos Business Intelligence IBM Software Group





#### Goals

Review how IBM Cognos 8 planning and analysis solutions can help your organization to:

- Measure, monitor, plan, and analyze business performance more effectively.
- Simplify the data and process management and technical architecture associated with enterprise planning and forecasting.
- Bring greater business and IT governance and efficiency to what has traditionally been a spreadsheet-based process.
- See the solution in action with an in-depth demonstration that will help you evaluate the benefits of IBM Cognos 8 planning & analysis solutions for your organization.



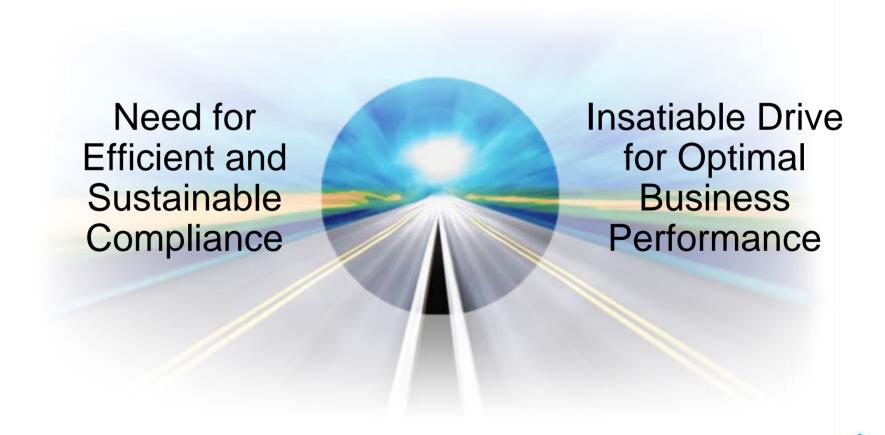


# Agenda

- Finance & IT Challenges
- Overview Of Financial Performance Management Product Portfolio
- Enterprise Planning Solutions
- Performance Management Journey
- Demo
- Q&A
- Summary



## Finance & IT Functions Faces Challenges





The Challenge with Decision-Making Today: Elevated Finance & IT Demands











FINANCE EXECUTIVES

Inform, engage, and align the business user community in PM process to drive better business outcomes





Empower the business users while cost-effectively meeting requirements for performance, conformance scalability and compliance.









Executive

#### IT Role: Powering the Future through Innovation





**FINANCE** 



**PRODUCT DEVELOPMENT** 





IT

"Technology Innovator and Partner to the Business" that can deliver on the people, processes and technology required for Enterprise BI



**OPERATIONS** 





HR





#### CEO Accelerating Enterprise Change



- 83% of CEOs say that substantial change is needed within their enterprises
- Nearly all CEOs are adapting their business models – two-thirds are implementing extensive innovations.
- More than 40% are changing their enterprise models to be more collaborative





#### IT Role: Powering the Future through Innovation



- "CIO's have the opportunity to transform their IT organizations into models for the rest of the enterprise and to become full partners to the business in the delivery of the Enterprise of the Future"
- "IT Organizations must evolve beyond managing data to creating business intelligence"





#### Enterprise BI: Delivering on the Promise

"Companies looking to increase returns on their business intelligence (BI) investments should standardize their use of BI across their enterprise as a way to increase user adoption, reduce costs, and improve workflows."

"Guidebook, Enterprisewide BI", Nucleus Research, D. O'Connell, May 2008

- Competitive Advantage
  - Increased access to timely, relevant, & more consistent data that improves decision making
- Productivity Gains
  - Spend time developing action plans instead of disputing the figures and less time learning disparate tools
  - Accelerated deployment due to knowledge share of best practices
- Streamlined spending and reduced overall cost of ownership
  - Reduced duplication of effort (human and technical capital) as well as the number of servers deployed, maintenance efforts, training costs



# Agenda

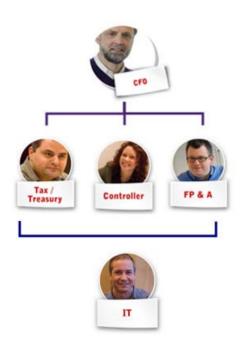
- Finance & IT Challenges
- IBM Cognos Performance Management Platform
- Enterprise Planning Solutions
- Performance Management Journey
- Demo
- Q&A
- Summary



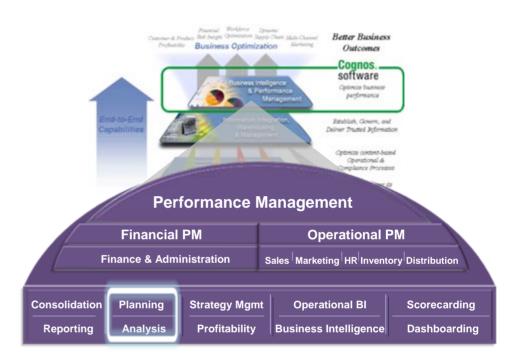




# IBM Cognos Performance Management System



Our Mission: Help drive performance management process excellence and better business outcomes; report with confidence, accelerate alignment of resources with opportunity.



- IBM Cognos 8 Controller
- →IBM Cognos TM1
- Cognos 8 Business Intelligence
- Cognos 8 Business Viewpoint
- Performance Blueprints



# Agenda

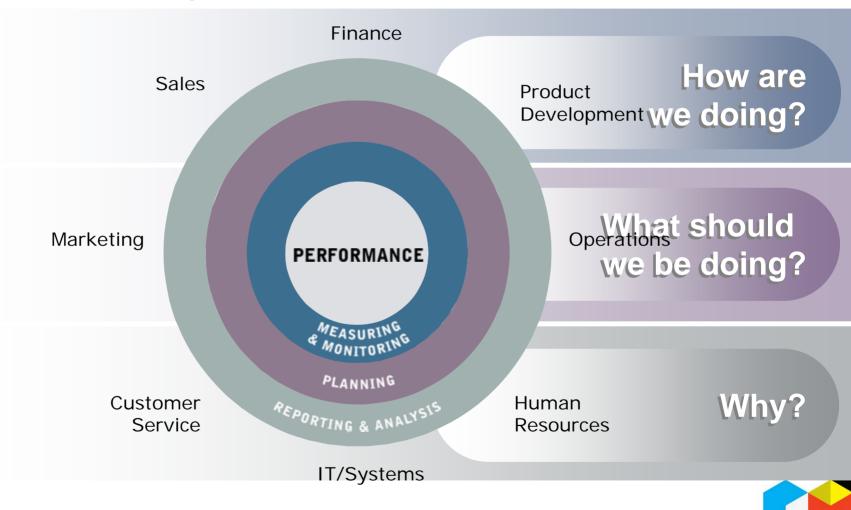
- Finance & IT Challenges
- IBM Cognos Performance Management Platform
- Enterprise Planning Solutions
- Performance Management Journey
- Demo
- Q&A
- Summary





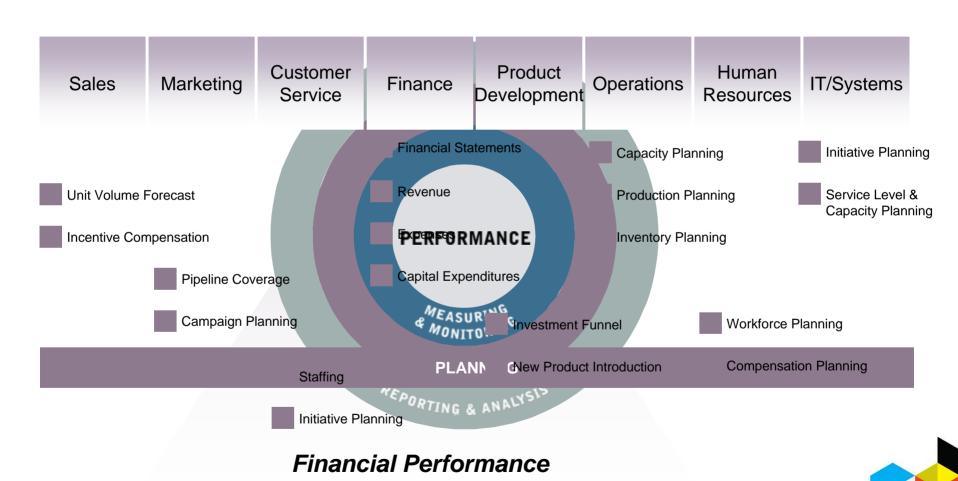
# BI and Performance Management

Plan, Understand and Optimize Performance





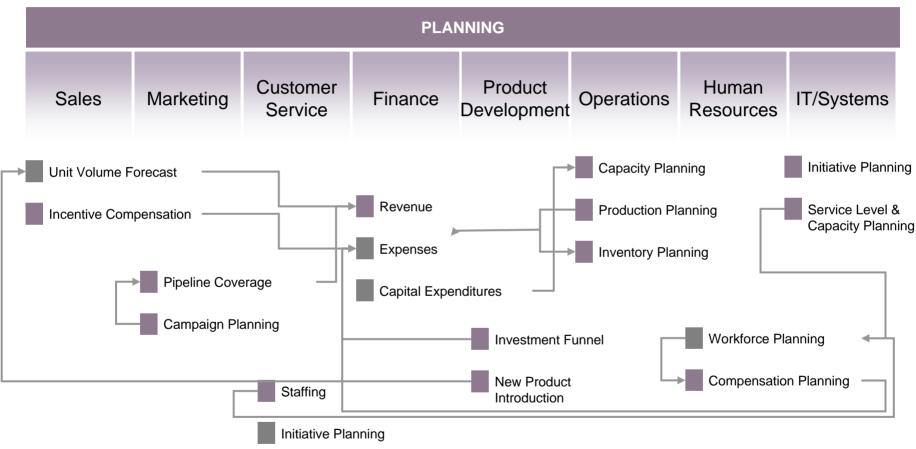
# Enterprise Planning Solutions Plan, Understand and Optimize Performance



Management



# Enterprise Planning Plan, Understand and Optimize Performance

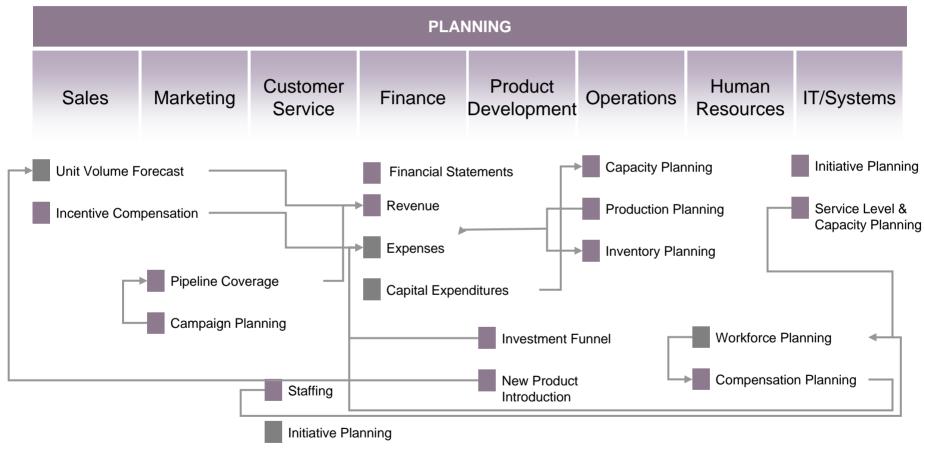




#### **IBM** Cognos Performance PAIN: Inability to deliver timely, reliable forecasts & plans that align operational tactics with financial targets IT FP & A **Increased support** compliance-driven **PLANNING** Finance initiatives Customer Human **Operations** Sales IT/Systems Marketing **Finance** Service Development Resources Capacity Planning Initiative Planning **Infrequent Unreliable Financial Statements** Unit Vol **Forecasts** Revenue **Production Planning** Service Level & Incentive Compensation Capacity Planning Expenses Inventory Planning Data governance risk Weak Topof spreadsheet ONLY Down based systems in Workforce Planning vestment Funnel **Finance** & Bottom-up Coordination Compensation Planning New Product Staffing Introduction **Disconnected** Initiative Planning **Plans**



# Enterprise Planning Proven Leadership





## IAP Worldwide – Emergency Support Services



- After 6 weeks, budgets completed
- IPA recently completed monthl 3-year plan in <5 weeks</li>
- Project managers drill into revenues, EBITDA as % of sale expenses, DSOs, days costs in payables
- Executives track trends over time, monitor aging statistics.





- Hyperion Enterprise for budgeting, forecasting lacked flexibility for quick collection/consolidation of financial data for this project-based business
- Lacked data integration needed for complex, dynamic info to manage project-based business

- Rapid response times on large data sets, for large nos. of users
- Accurate project tracking for future business opps
- Ability to create real-time, Web-based worksheets, customer dashboards





#### Blue Mountain



- ROI: 1822% within one month
- Reduced labor costs by \$2.5 million/year
- Fast adjustments to inventories year-to-year



Nucleus Research www.nucleusresearch.com





- Data across 13 units from a multiplicity of systems
- Difficult maintenance for thinly stretched IT Staff

- Faster, more simplified budgeting process
- Greater access to daily reports that directly affect profitability
- Analytics to identify proper staffing levels and success of marketing campaigns
- Improved inventory management





## Kansas City Southern – US/Mexico railroad





- Quarterly month-end closing reduced from 30 to 5 days
- DSO down to 30 from 70 days -- \$100 million cash in hand
- Demand for more TM1 licenses from Operations, others
- Reduction in external auditor's fees







#### **Performance Pain**

- Lacked timely, accurate internal reporting
- Complexity in merging Mexican subsidiary
- Employees overburdened with manual work leading to "leakage" mindset

- Visibility into detailed operating results, capital expenses
- Improved cash flow for reinvestments, increased revenues
- Recent award winner for best practices in dynamic business processes
- Reduction in Finance employee attrition



#### Denver Water



"Now, engineers have direct access to Cognos TM1 and can move dollars as project schedules change. On a daily basis, an Engineer can adjust the timing of the dollars and Finance can get a realtime forecast at any time."



#### **Performance Pain**

- Each division executed individual process
- Planning did not align with long-range plans; frustrating for the Board
- Requests to IT for standing reports could take months
- Lack of tools to share information created cash-flow confusion

- Engineering project updates visible to Finance immediately
- Real-time updates to projects for improved cash flow management
- Align long-range and annual planning processes aligned
- 8 weeks to Phase I roll-out





#### **IBM** Cognos Performance IMPACT: Timely, reliable forecasts & plans that align operational tactics with financial targets. Better, confident resource allocation decision-making. FP & A **Increased support** compliance-driven **PLANNING** Finance initiatives Pro Jack Customer Human **Operations** Sales IT/Systems Marketing Finance Service Development Resources Capacity Planning Initiative Planning **Financial Statements Unit Vol** Timely, Reliable **Forecasts** Revenue **Production Planning** Service Level & Incentive compensation Capacity Planning Expenses Inventory Planning Improved data governance with **Top-Down** replacement of & Bottom-Up spreadsheet ONLY Workforce Planning vestment Funnel **Alignment** based systems in **Finance** Compensation Planning New Product Staffing Introduction

Initiative Planning

Connected

Planning Models



# Enterprise Planning Plan, Understand and Optimize Performance

# Sales Marketing Customer Service Finance Product Development Operations Human Resources IT/Systems







#### **Enterprise Planning and Analysis**

#### **FROM**

- Limited reach, low speed
- Financial only focus
- Static, long horizons
- Inconsistent data definition

#### TO

- High participation, high frequency
- Driver-based, connected across finance and ops
- Rolling, Dynamic horizon
- Consistent data definitions

Owned by Finance, to IT Standards



# Agenda

- Finance & IT Challenges
- IBM Cognos Performance Management Platform
- Enterprise Planning Solutions
- Performance Management Journey
- Demo
- Q&A
- Summary





#### IBM Cognos TM1

- A patented 64-bit read-write in-memory OLAP engine that provides compact data storage and exceptionally fast performance
- Model design and data access that presents business information in familiar formats
- Ease of use, thanks to a development environment that enables users to create sophisticated applications with no need for programming or traditional IT skills
- An intuitive, flexible approach, which enables users to easily express complex, multi-dimensional business rules
- Fuses Analysis & Planning together to provide greater accuracy
- A component of Cognos 8 Performance
   Management Platform



IBM Cognos 8 Controller

#### →IBM Cognos TM1

- Cognos 8 Business Intelligence
- Cognos 8 Business Viewpoint
- Performance Blueprints





**AUTOMATION** 

#### PERFORMANCE MANAGEMENT JOURNEY

----- TRANSFORMATION -----**EXTEND** ADVANCE DRIVE **ADDRESS** Enterprise-**Performance** Best Initial Needs Wide Management **Practices** 

#### Embrace and Extend Your Existing Infrastructure







## Automating the Planning Process



**Embrace and Extend Your Existing Infrastructure** 







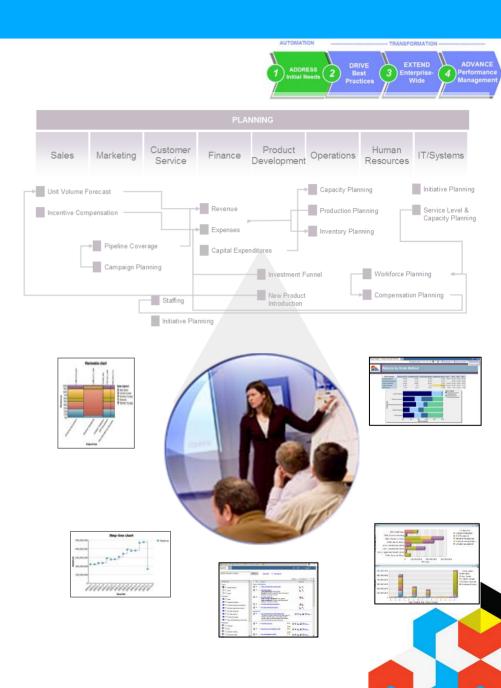


# Analyze Capabilities:

- Explore Performance Gaps
- Validate Corporate Drivers
- Define "What If" Scenarios
  - Organizational, Product Family, Product/Channel Mix
- Validate Planning Assumptions

#### **Benefits:**

- Ability to meet the dynamic needs of the organization....
- Provide a fact based approach planning processes





## IBM Cognos TM1 Analysis

- A patented 64-bit read-write in-memory OLAP engine:
  - Optimized for large data volumes
  - Instantaneous updates from streamed data
  - Drill through to transaction systems for greater detailed analysis
- Supports multi-dimensional analysis
- Advanced Sorting and Ranking
- Public and Personal Views
- Familiar Excel & Web interfaces

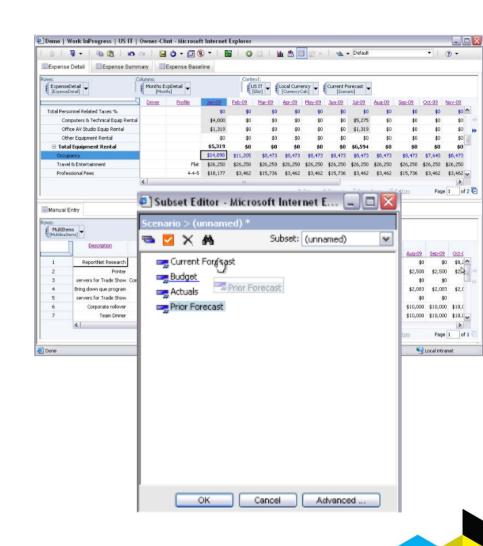






#### Personalized Hierarchies

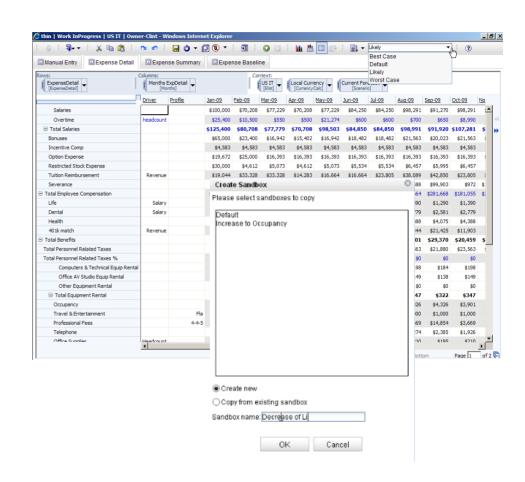
- Create customized consolidations
- Advanced filtering:
  - Hierarchical level
  - Spelling pattern
  - Attribute value
  - Element name
  - Expression
- Alias support





#### **Personal Scenarios**

- No predetermined model requirements for scenarios
- Unlimited flexibility for end user scenario building
- Available in all TM1 clients (Excel, TM1 Web, Contributor, & Cognos 8 Bl)







# **Model**Capabilities:

- Centralized meta-data, data and business rule definitions
- Certified connectors to SAP BW & R3
- Owned by Office of Finance
- Support of Planning Best Practices
  - Driver based Planning
  - Rolling Forecasts

#### **Benefits:**

- Ability to meet the dynamic needs of the organization
- Flexible to meet the broad requirements of financial & operational planning solutions
- Adapts to your business process
- Single version of the truth for all planning processes

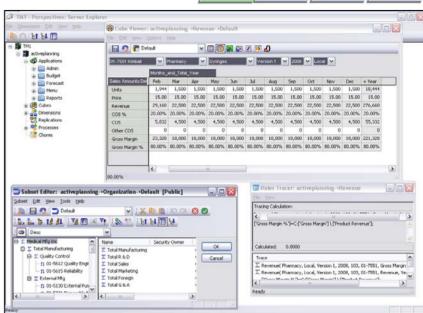




## IBM Cognos TM1 Modeling

- Expression based modeling environment to define planning and analysis assumptions
- Can seamlessly integrate with Contributor for new planning and analysis applications
- On demand interactive simulation to test business scenarios
- Provides real time responsiveness for large and sophisticated models
- An extension of the analysis process
- Owned by finance/business user







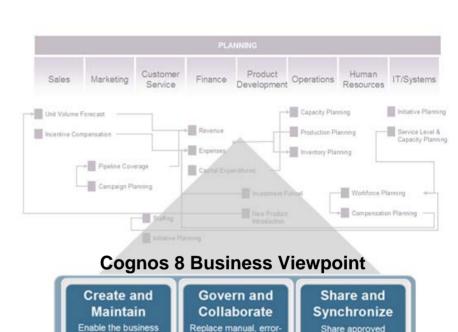


## IBM Cognos 8 Business Viewpoint



# Extend Enterprise Planning Solution Modeling capabilities:

- Create and Maintain meta-data across you organization
- Govern and Contribution on planning definitions
- Share and Synchronize planning meta-data definitions



transparent, automated

current and future



viewpoints across the

decision-making



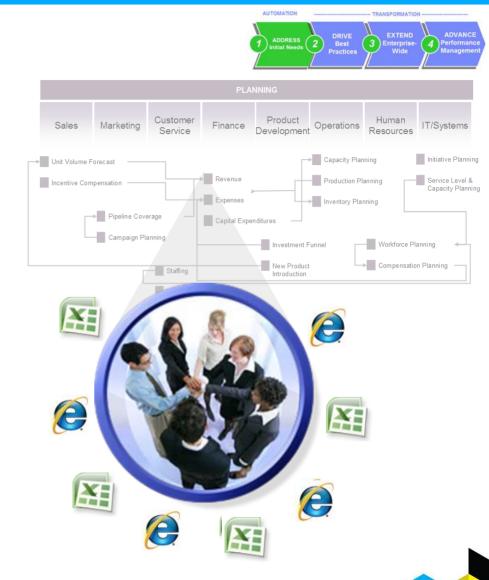
#### **Contribution**

#### **Capabilities:**

- Familiar Web & Excel Deployment
- Rich Workflow
- Application linkage
  - Start small and expand enterprise wide
- A component of Cognos 8 Performance Platform

#### **Benefits:**

- Timeframe-appropriate Plans
- High Participation & Data Volumes
- A Wider / Deeper View
- Increased accuracy



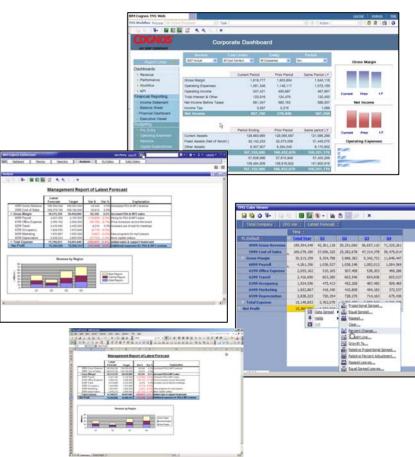


## IBM Cognos TM1 Contribution

## **Enterprise Ready Excel Based Contribution**

- TM1 Server Explorer for power users to maintain dimensions, cubes, rules, and integration
- TM1 Excel to create rich planning and analysis solutions
- TM1 Web to deploy TM1 based Excel applications across the organization
- IBM Cognos 8 Business Intelligence for enterprise level analysis, scorecarding and financial & production reporting.







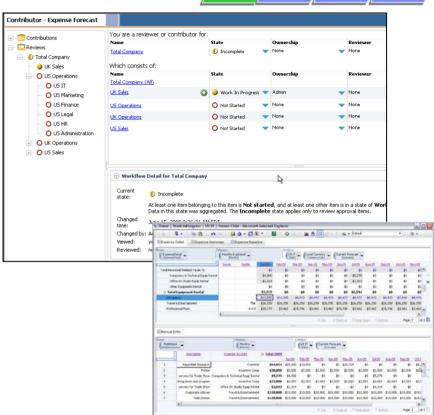


## IBM Cognos TM1 Contribution

## **Managed Contribution**

- Workflow & email notification
- Pick lists (driver execution)
- Undo/Redo feature
- End User Personalization (Multipane docking)
- Personalized Scenarios
- Personalized Hierarchies)
- Color code data changes
- Charting
- Drill down Support





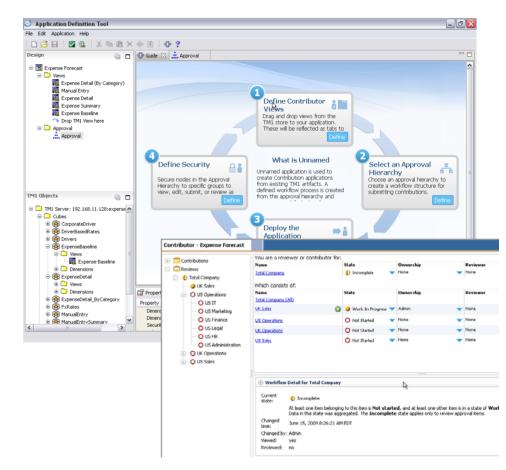




## **Managed Contribution**

- Deployment of TM1 Model Objects
  - Quickly Turn TM1 Objects into Managed Applications
- Planning Workflow
  - Structured Planning Process
     Approvals









## DRIVE BEST PRACTICES



#### **Embrace and Extend Your Existing Infrastructure**

#### **Support Best Practices**

#### DRIVER BASED PLANNING

- ROLLING FORECASTS
- TIMEFRAME-APPROPRIATE PLANS
- HIGH PARTICIPATION & DATA VOLUMES
- A WIDER / DEEPER VIEW

#### **Cognos Innovation Center**



#### **Performance Blueprints**





# **BEST-PRACTICE** THOUGHT LEADERSHIP

**AUTOMATION** 

------ TRANSFORMATION ---------



#### **Embrace and Extend Your Existing Infrastructure**

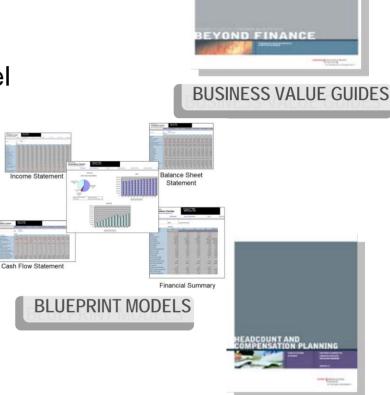






# Performance Blueprints

- What they are:
  - Pre-defined data, process and policy model
    - Developed by Cognos Innovation Center
    - ...In conjunction with leading customers
  - Enables best practices
    - Driver-based
    - High Participation
    - High Frequency
  - Enables rapid time-to-value
    - Reduced project implementation time and risk





**APPLICATION BRIEFS** 



## Enterprise Planning Performance Blueprints

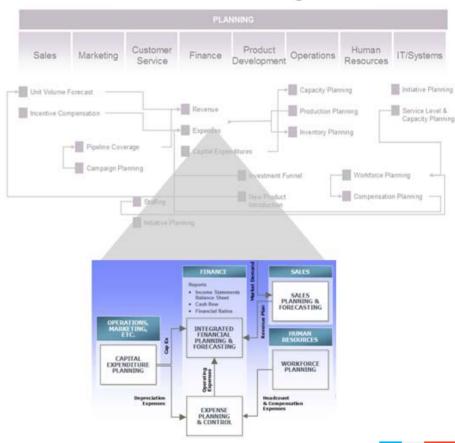




#### **IBM Cognos**

## **Innovation Center**

for Performance Management





## **EXTEND Enterprise - Wide**

AUTOMATION ------ TRANSFORMATION ------

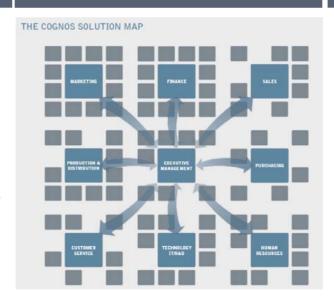


#### **Embrace and Extend Your Existing Infrastructure**

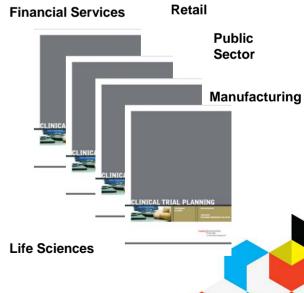
#### **Model the Whole Business**

- Link operational plans to financial plans
- Increase forecast reliability
- Performance Blueprints accelerate implementations

#### **Cognos Solution Map**



# Industry Performance Blueprints





# Extend Enterprise Wide Continued Investment in Industry Blueprints

#### Manufacturing

- Trade Promotion Management
- S&OP Executive Review
- Sales & Operations Planning
- Transportation and Logistics Performance

#### **Public Sector**

- Program Objective Memorandum (POM)
- Grant Thornton & Cognos Federal Budget Planning
   & Performance Framework Business Partner
- BearingPoint POM Budget Planning Business Partner
- Higher Ed Performance
- Mayor's Scorecard

#### Retail

- Store Operations
- Store Development
- Promotion Planning
- Merchandising Performance Management
- Retail Financial Workbench

#### Pharmaceuticals & Life Sciences

- Clinical Trial Planning
- Samples Optimization (Joint w/ TM1)
- Clinical Trial Enrollment Forecasting
- Sales Quota Allocations

#### **Banking & Financial Services**

- Retail Branch Performance
- Retail Banking Customer Segment Performance
- Corporate Banking Customer Segment Performance
- Insurance Product Profitability
- Cognos & IBM Risk Adjusted Profitability for Banking – Business Partner BP
- Loan Pricing

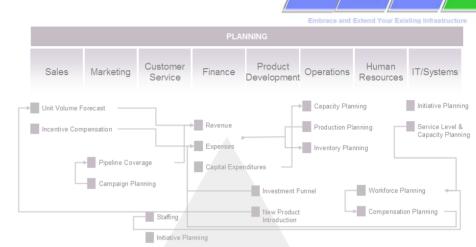




## ADVANCE PERFORMANCE MANAGEMENT

## World Class:

- Financial & Management Reporting
- Consolidation
- Information Management
- Analysis
- Dashboards
- Scorecards
- Event Management



IBM Cognos 8 Performance Platform











# Agenda

- Finance & IT Challenges
- IBM Cognos Performance Management Platform
- Enterprise Planning Solutions
- Performance Management Journey
- Demo
- Q&A
- Summary







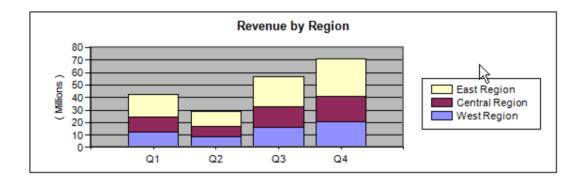


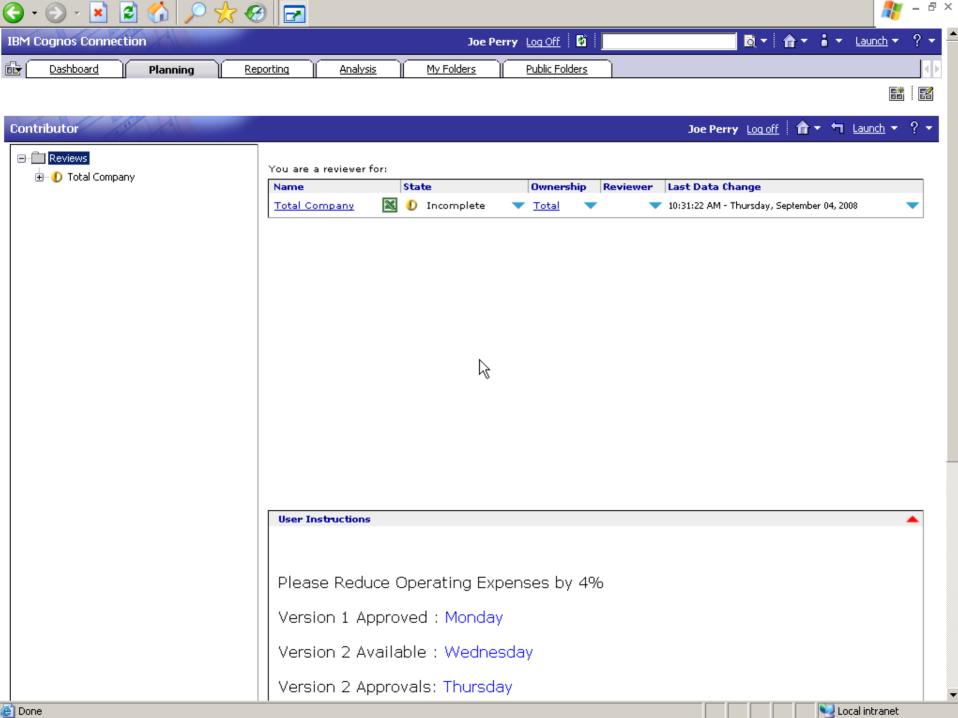
? 🖆 🗕 🗆



#### **Management Report of Latest Forecast**

	Latest Forecast	Target	Var \$	Var %	Explanation
■ Net Profit	15,365,506	15,508,154	(142,648)	(0.9%)	Additional expenses for PDA & MP3 revenue
<b>⊞</b> Gross Margin	30,515,359	30,450,000	65,359	0.2%	Increaed PDA & MP3 sales
<b>⊞ Total Expense</b>	15,149,853	14,941,846	(208,007)	(1.4%)	Added sales & support headcount









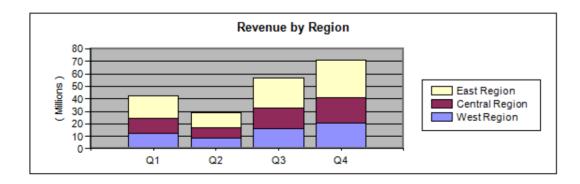
? 🖆 🗕 🗆

#### TM1 Websheet Viewer



### **Management Report of Latest Forecast**

	Latest Forecast	Target	Var \$	Var %	Explanation
4999 Gross Revenue	200,407,155	199,550,000	857,155	0.4%	Increased PDA & MP3 revenue
5999 Cost of Sales	169,079,190	169,100,000	20,810	0.0%	
<b>■</b> Gross Margin	31,327,964	30,450,000	877,964	2.8%	Increaed PDA & MP3 sales
6099 Payroll	4,261,356	4,150,500	(110,856)	(2.6%)	Hiring for PDA & MP3 sales
6199 Office Expense	2,063,529	2,000,000	(63,529)	(3.1%)	Price increases across the board
6299 Travel	2,426,529	2,425,000	(1,529)	(0.1%)	Increaed use of web for meetings
6399 Occupancy	1,932,392	1,915,846	(16,546)	(0.9%)	
6499 Marketing	1,660,600	1,650,000	(10,600)	(0.6%)	New programs for mp3 players
6599 Depreciation	2,849,778	2,800,500	(49,278)	(1.7%)	M ce capital outlays
■ Total Expense	15,194,183	14,941,846	(252,337)	(1.7%)	Added sales & support headcount
■ Net Profit	16,133,781	15,508,154	625,627	3.9%	CFO adjustments based on sr. mgmt meetings





Dr. Chris Ilacqua cilacqua @us.ibm.com





## IBM Cognos 8 v4 On Business Terms. To Your Standards.



- On business terms
- To Finance standards



On business terms

To IT standards

COGNOS 8 v4

Informed Engaged Aligned



Empowers business users without compromising IT's high standards for conformance, compliance and cost effective scalability, while driving Performance Management process excellence and better business outcomes for the organization.





© Copyright IBM Corporation 2008 All rights reserved. The information contained in these materials is provided for informational purposes only, and is provided AS IS without warranty of any kind, express or implied. IBM shall not be responsible for any damages arising out of the use of, or otherwise related to, these materials. Nothing contained in these materials is intended to, nor shall have the effect of, creating any warranties or representations from IBM or its suppliers or licensors, or altering the terms and conditions of the applicable license agreement governing the use of IBM software. References in these materials to IBM products, programs, or services do not imply that they will be available in all countries in which IBM operates. Product release dates and/or capabilities referenced in these materials may change at any time at IBM's sole discretion based on market opportunities or other factors, and are not intended to be a commitment to future product or feature availability in any way. IBM, the IBM logo, Cognos, the Cognos logo, and other IBM products and services are trademarks of the International Business Machines Corporation, in the United States, other countries or both. Other company, product, or service names may be trademarks or service marks of others.

