

# IBM Cognos TM1

## Enterprise Planning, Budgeting and Analytics

### Overview

#### Highlights

- ***Reduces planning cycles by 75% and reporting from days to minutes***
- ***Owned and managed by Finance and lines of business***
- ***Provides exceptionally fast performance for large, sophisticated models and data sets***
- ***Features personalized planning and analytics—within a managed planning process***
- ***Aligns financial and operational targets in one connected, dynamic solution***

In today's challenging economy, the answers to three rudimentary performance questions are more important than ever:

- How are we doing?
- Why are we on or off track?
- What should we do to address performance gaps quickly?

To answer these questions and to anticipate the best course of action for better business outcomes, your company needs to plan, forecast and report effectively. You must also get the right information to the right people in the form they need it—and be able to make changes quickly. This coordinated approach requires highly flexible planning,

analysis and reporting that align financial and operational targets in one connected, dynamic solution.

IBM Cognos® TM1, a component of the IBM Cognos 8 platform, provides a complete planning, analytics and reporting environment for this critical company-wide performance management activity driven by Finance. IBM Cognos TM1 supports a full range of business requirements: from high-performance, real-time customer and profitability analysis and flexible modeling to enterprise contribution for a broad range of users—from manufacturing, sales and service to finance, human resources and marketing.

#### Advanced personalization with managed workflow

IBM Cognos TM1 blends advanced personalized analysis, adapted to each contributor's particular plans, with the workflow activities of planning. While you're planning, you're not just viewing plans, but you're dynamically building your own alternatives, sharing them with your team and using the best scenarios to make informed decisions. Available in all IBM Cognos TM1 clients and IBM Cognos BI dashboards, advanced personalization provides:

- Personalization for hierarchies and dimensions
- Personalized scenarios with extremely fast what-if response times
- Planning without IT intervention but consistent with IT's data governance

The screenshot displays the IBM Cognos TM1 Expense Blueprint interface. The top section shows a navigation bar with tabs for Expense Detail, Expense Summary, and Expense Detail (By Category). Below this, a table displays expense data for various categories (Total Salaries, Total Employee Compensation, Total Benefits, Total Personnel Related Taxes, Total Equipment Rental, Total Other Employee Related) across months from Jan-09 to Mar-10. A red circle highlights the 'Worst Case - Travel' scenario dropdown menu. The bottom section shows a 'Manual Entry' tab with a table for 'Full Year Adjustments' and 'Full Year Expenses' across categories like Travel & Entertainment, Professional Fees, Membership & Dues, Maintenance & Repairs, Legal, and Charitable Contributions.

For improved simulation in planning and forecasting, users can work privately to build any number of personal scenarios such as multiple travel budgets (best and worst case) for comparison. At any point, they can then share preferred scenarios with teams for review and rework as necessary.

IBM Cognos TM1 addresses all interrelated planning, analysis and reporting needs with:

- Exceptionally fast analytics
- Data and user scalability
- Data integrity
- A multi-dimensional database and data tools
- Workflow
- A choice of interfaces: Microsoft® Excel®, Web and the TM1 Contributor for managed participation

Your financial executives, planners, controllers and line of business managers can change input values and recalculate them in real time. With a consolidated view of plans, they can reset details to attack business problems immediately, rather than wait hours to make changes.

## Features and benefits of IBM Cognos TM1

### Analyze

With the deep analytics capabilities of IBM Cognos TM1, you can validate your planning assumptions and meet the dynamic needs of your organization with a fact-based approach to the planning process. You can create any number of personalized scenarios—in Excel, the Web or the Contributor client—and send them out to individuals or teams for their responses. With one more key stroke, you “commit” your preferred scenario to the business plan.

Thanks to the high-performance OLAP engine at the core of IBM Cognos TM1, you can analyze frequently-changing data for millions of items, such as SKUs or transactions. For example, you can:

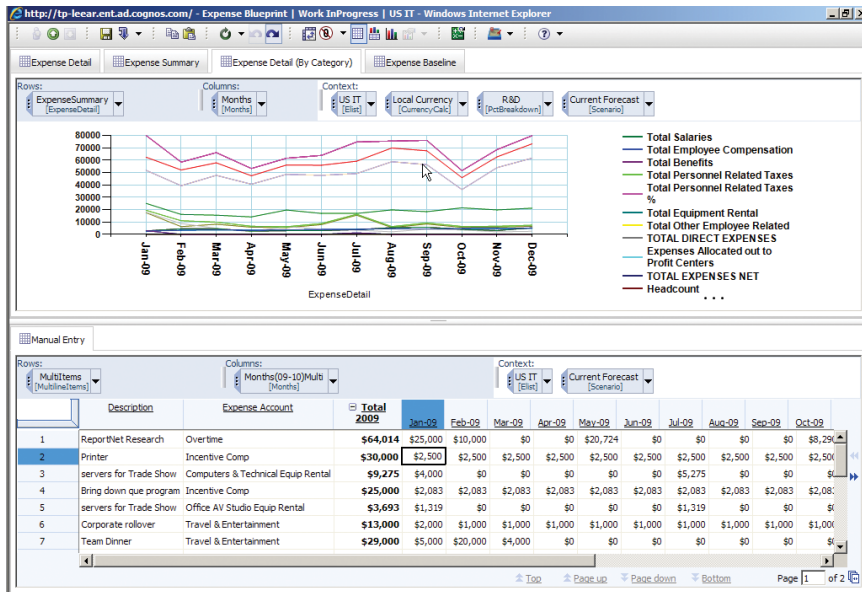
- Review sales daily, or even hourly, by store, brand or representative.
- Analyze day-by-day profitability, customer churn for thousands or millions of customer accounts.
- Track trends in spending over weeks or months.

The OLAP 64-bit technology of IBM Cognos TM1 meets even the most complex, multi-dimensional analytics needs of large-scale operations, so you can query data whenever you need to—no matter how vast the data set may be. In addition, you can view instant updates from streamed data and drill through to your transaction systems for added context and thus greater accuracy in decision making.

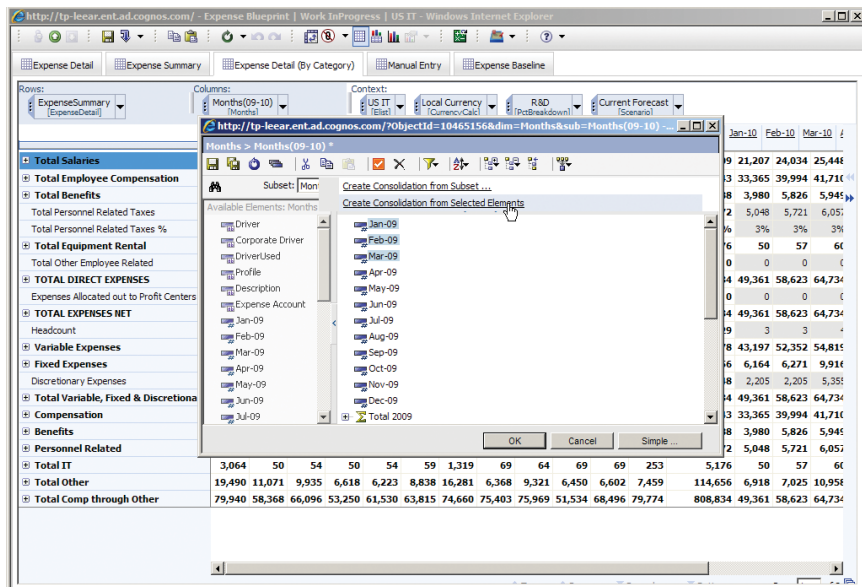
### Model

IBM Cognos TM1 adapts to your planning and forecasting processes and rapidly incorporates best practices such as driver-based planning and rolling forecasts. Owned by your finance organization and the lines of business, TM1 provides the self-sufficiency that enables financial and business analysts to build and maintain business models and rules—and define security to ensure data accuracy and integrity.

Because IBM Cognos TM1 provides a single high-performance modeling environment, every component is integrated. All business rules, data and metadata are shared among



Charting and the ability to change entries in the charts dynamically enable informed decisions.



Users can create custom aggregations – another form of personalization – on the fly in TM1 Contributor, without relying on IT to make modifications.

all applications so your teams work with only one set of rules and data for linked models. With the addition of IBM Cognos Business Viewpoint, you can add centralized dimension management, which enables users to capture, maintain, govern and share multiple hierarchies, structures and definitions they can use for planning and forecasting.

To help you rapidly access valuable information locked away in back-office applications, IBM Cognos TM1 provides data orchestration with pre-built tools such as IBM Cognos TM1 Turbo Integrator and a connector to incorporate data from the SAP Netweaver® Business Warehouse. These data integration tools streamline the loading of disparate data into your models. Users can also create their own processes to automate data importation, metadata management and other tasks.

## Contribute

IBM Cognos TM1 is readily adaptable for high levels of participation. You deploy your planning activities in either of two clients: Excel or a managed application with the TM1 Contributor client. Both “experiences” enable advanced,

The screenshot displays the IBM Cognos TM1 Expense Blueprint interface. The top navigation bar includes tabs for Expense Detail, Expense Summary, Expense Detail (By Category), Manual Entry, and Expense Baseline. The main area shows a table with columns for months from Jan-09 to Oct-09, and a 'Total' column. A pick list is open for the 'Occupancy' row, showing options like 'Occupancy', 'Overtime', 'Incentive Comp', 'Computers & Technical Equip Rental', 'Office AV Studio Equip Rental', and 'Other Equipment Rental'. The table data includes various expense categories and their corresponding amounts for each month.

Row	Description	Expense Account	Total 2009	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov
1	Report/Ret Research	Overtime	\$64,014	\$25,000	\$10,000	\$0	\$0	\$20,724	\$0	\$0	\$0	\$0	\$8,290	
2	Printer	Incentive Comp	\$30,000	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	
3	servers for Trade Show	Computers & Technical Equip Rental	\$9,275	\$4,000	\$0	\$0	\$0	\$0	\$5,275	\$0	\$0	\$0	\$0	
4	Bring down que program	Incentive Comp	\$25,000	\$2,083	\$2,083	\$2,083	\$2,083	\$2,083	\$2,083	\$2,083	\$2,083	\$2,083	\$2,083	
5	servers for Trade Show	Office AV Studio Equip Rental	\$3,693	\$1,319	\$0	\$0	\$0	\$0	\$1,319	\$0	\$0	\$0	\$0	
6	Corporate rollover	Travel & Entertainment	\$13,000	\$2,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
7	Team Dinner	Travel & Entertainment	\$29,000	\$5,000	\$20,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
8	IT Prof	Membership & Dues	\$1,000	\$83	\$83	\$83	\$83	\$83	\$83	\$83	\$83	\$83	\$83	
9	IBM Cognos Consultants	Professional Fees	\$41,756	\$10,000	\$0	\$10,268	\$0	\$0	\$10,268	\$0	\$0	\$10,268	\$0	
10	auditors	Occupancy	\$150,000	\$41,740	\$12,755	\$9,645	\$9,645	\$9,645	\$9,645	\$9,645	\$9,645	\$9,645	\$8,697	
11		Overtime	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
12		Incentive Comp	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
13		Computers & Technical Equip Rental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
14		Office AV Studio Equip Rental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
15		Other Equipment Rental	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
16		Membership & Dues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
17			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
18			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
19			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
20			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	All Items		\$366,738	\$93,725	\$48,422	\$29,580	\$15,312	\$36,036	\$25,580	\$21,906	\$15,312	\$25,580	\$22,653	

Static, dynamic or conditional pick lists improve the flexibility of what-if scenarios.

on-demand analysis but require minimal training, no programming skills, and minimal IT assistance.

## Enterprise Excel-based client

IBM Cognos TM1 features an enterprise-ready, Excel-based client that provides all the capabilities of enterprise planning and analysis with the familiar Excel interface and personal scenarios, so you can engage hundreds of line of business and finance managers in the planning process. Users can configure their own planning and analysis solutions using guided applications, test assumptions and generate reports quickly and easily.

## Managed Contribution with TM1 Contributor and Administrator

With managed contribution, you can collect input from systems and

staff from all divisions and locations consistently and automatically—and in a form that can be audited. The managed contribution component of IBM Cognos TM1 has an easy-to-use interface that can handle high numbers of participants and analytic processing. You can quickly assemble and deploy planning solutions for your enterprise while receiving an up-to-the-minute status of every participant in the planning process. The result? You can quickly surmise the maturity of the cycle and eliminate delays in adapting plans.

The TM1 Contributor interface supplies an intuitive and structured planning environment, where managed workflow is blended with analysis. Users not only contribute their own data into planning templates, but they can also create their own personalized hierarchies and dimensions. They can roll up data to

suit their own business needs, such as adding a new department structure, modifying a product mix or removing a territory. Because they can create and test a variety of scenarios and write ad hoc changes back to data sources such as the SAP Netweaver Business Warehouse, your teams can realize immediate business impact with timely revisions to plans. In addition, performing on-the-fly scenarios such as these do not necessitate a drain on precious IT resources.

For more finely-grained simulation, your planners can use advanced filtering features, such as hierarchy leveling, attribute values, element names (with aliases) and spelling patterns. Within the flow of their planning and analysis, they can drill, sort, link, and even chart data. Sophisticated features such as pick lists, undo/redo, multi-pane docking and color-coded data changes sharpen driver-based plans.

With the TM1 Administrator component, you can manage the deployment of planning solutions in a few simple steps because the TM1 centralized planning and analysis server is a natural extension of its modeling environment. After models have been defined with dimensions and rules, you assemble the views for users, set the approval hierarchy and rights for users and groups and make the planning application available to users with the client of choice.

### Performance Blueprints for IBM Cognos TM1

IBM Cognos TM1 customers also receive IBM Cognos Performance Blueprints at no charge. Performance Blueprints are pre-defined data, process and policy models based on proven best practices in enterprise planning, financial management and control. By structuring and automating the planning and forecasting processes and thus reducing project implementation time, TM1 Blueprints enable companies to jump-start deployments in key areas such as:

- Integrated financial planning and forecasting
- Expense planning and control
- Capital planning
- Workforce planning

### Expanding planning and insight

The planning process is also scalable with IBM Cognos TM1: Companies can start with a single planning application and then expand it for use in the entire enterprise. Combining a broad range of user experiences with real-time analysis translates into a clearer more comprehensive view of your business, time-frame appropriate plans, high-participation and large data sets—all for increased accuracy in resource allocation and business forecasting.

To link your entire company strategy with your planning, analysis and forecasting, the IBM Cognos TM1

solution gives you access to the IBM Cognos Performance Management platform. The result is a consistent scorecarding, reporting and analysis environment—the complete picture from goal setting and planning, to measuring progress and reporting.

Without compromising high standards in IT for conformance, compliance and cost effective scalability, the platform enables business users and drives best-practice planning, performance management process excellence and, thus, better business optimization.

### IBM Cognos TM1 features

Enhance your Planning and Analytics and related reporting processes with:

- **Performance.** Patented, 64-bit, in-memory OLAP for enterprise scalability and real-time scenario modeling facilitates enterprise-wide planning and analysis.
- **Security.** Role-based security supports multiple users and user types. Within the workflow, advanced pre-defined selection options ensure that users see only those portions of the plan that they need to.
- **Contributor client.** This client interface blends high-performance, personalized analytics with structured workflow for rapid user adoption and greater speed and accuracy in planning.
- **Personalized** home pages, workflow and context-driven reports enhance your planning processes and require no IT intervention.
- **Excel formatting on the Web.** All planners and stakeholders can read, write, perform “what-if” analysis and report with Excel sheets right on the Web.
- **Administrative tools.** Administration is easy with utilities for managing server performance and role-based access.
- **Global support.** Full Unicode support accommodates expanded string lengths beyond 255 characters. Includes language support for Japanese and simplified Chinese.
- **Integration** with preferred desktop applications provides users with familiar interfaces and increases ease of use.
- **Connectors.** You can extend your ERP investments with the IBM Cognos data orchestration tool. This tool easily connects to data warehouses such as the SAP Netweaver Business Warehouse, Excel worksheets and to any ODBC-compliant databases.

**About IBM Cognos BI  
and Performance Management:**

IBM Cognos business intelligence (BI) and performance management solutions deliver world-leading enterprise planning, consolidation and BI software, support and services to help companies plan, understand and manage financial and operational performance. IBM Cognos solutions bring together technology, analytical applications, best practices, and a broad network of partners to give customers an open, adaptive and complete performance solution. Over 23,000 customers in more than 135 countries around the world choose IBM Cognos solutions.

For further information or to reach a representative: [www.ibm.com/cognos](http://www.ibm.com/cognos)

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