

IBM Cognos TM1
Version 10.2.2

New Features Guide



Note

Before using this information and the product it supports, read the information in "Notices" on page 11.

Product Information

This document applies to IBM Cognos TM1 Version 10.2.2 and may also apply to subsequent releases.

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Introduction

IBM® Cognos® TM1® version 10.2.2 provides performance and scalability features.

IBM Cognos TM1 integrates business planning, performance measurement, and operational data to enable companies to optimize business effectiveness and customer interaction regardless of geography or structure. Cognos TM1 provides immediate visibility into data, accountability within a collaborative process and a consistent view of information.

Finding information

To find documentation on the web, including all translated documentation, access IBM Knowledge Center (<http://www.ibm.com/support/knowledgecenter>).

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Accessibility features

Accessibility features help users who have a physical disability, such as restricted mobility or limited vision, to use information technology products. IBM Cognos TM1 has some components that support accessibility features. IBM Cognos TM1 Performance Modeler, IBM Cognos Insight, and Cognos TM1 Operations Console have accessibility features.

Forward-looking statements

This documentation describes the current functionality of the product. References to items that are not currently available may be included. No implication of any future availability should be inferred. Any such references are not a commitment, promise, or legal obligation to deliver any material, code, or functionality. The development, release, and timing of features or functionality remain at the sole discretion of IBM.

New features in IBM Cognos TM1 version 10.2.2

The following list identifies new features in IBM Cognos TM1 since the last release.

New features in IBM Cognos TM1 version 10.2.2

These new features are in the core TM1 software in version 10.2.2.

Localizing your model

You can localize TM1 objects on your TM1 server so that users can view object names in their current locale without requiring any configuration

See Localizing your model in the *IBM Cognos TM1 Developer Guide*.

64-bit Architect and Perspectives now available

TM1 Architect and TM1 Perspectives are now 64-bit. TM1 Perspectives can be run in the 64-bit versions of Microsoft Excel 2007, 2010, and 2013. These options are installed by default and become available based on your operating system and machine type.

Use Java™ to create and run TurboIntegrator processes

You can now use Java as a scripting language to create and run IBM Cognos TM1 TurboIntegrator processes. You create TurboIntegrator processes with Java and use Java libraries to further expand capability of IBM Cognos TM1.

See Java support in TurboIntegrator in the *IBM Cognos TM1 TurboIntegrator Guide*.

SaveDataAll and CubeSaveData can now use concurrent end-user activity

In version 10.2.2, SaveDataAll and CubeSaveDataAll now enable concurrent user read/write activity to serialized cubes. In the following scenarios, concurrency prevents usual lock contention from occurring.

Table 1. SaveDataAll concurrency scenarios

| Action | Scenario |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------|
| Login | User has private views User has private Subsets User has Sandboxes User is connected via CAM |
| Read Data | Open Public View Open Private View Open Private View with Private Dynamic Subset Open Public View with Public Dynamic Subset |

Table 1. SaveDataAll concurrency scenarios (continued)

| Action | Scenario |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Create Objects | Create Public View Create Private View Create UDC Create Sandbox Create Hold Create a Rule (save rule file) |
| Write Objects in Perspectives, Planning, TM1Web, and Architect | Single Cell Paste Cells Data Spreading SandBox merge |
| TM1 Applications | Open a TM1 Application Take ownership Submit a node |
| TurboIntegrator processes | CellPutN and CellPutS Create View Create Subset |

Dimension updates are permitted during the SaveDataAll process but only to dimension not including in cubes being serialized.

See SaveDataAll or CubeSaveData in the *IBM Cognos TM1 Reference Guide*.

New ODBC proxy feature for Microsoft Windows 64-bit TM1 servers

The ODBC proxy feature makes 32-bit ODBC DSN available in TM1 TurboIntegrator ODBC processes. This feature is useful if a 64-bit driver is not available.

See EnableODBCproxy in the *IBM Cognos TM1 Installation Guide*.

New samples are available

The Proven Techniques is a new sample database that installed by default. The G0_Scorecards sample database is also now installed by default.

See Samples in the *IBM Cognos TM1 Installation and Configuration Guide* for more details.

New features in IBM Cognos TM1 Web version 10.2.2

A new TM1 Web API is available. TM1 Web.

TM1 Web API

In addition to using IBM Cognos TM1 Web as a stand-alone application, you can also use it in your own custom web applications. Web programmers and TM1 application developers can use the Cognos TM1 Web application programming interface (API) to incorporate TM1 Web objects into custom web applications, portals, and dashboards.

Cognos TM1 Web URL API

The URL API provides access to Websheet and CubeViewer objects by

using a special set of URLs and parameters. Simple examples can be done right in the address bar of a web browser. To create a solution with the URL API, you need knowledge of HTML and an optional knowledge of JavaScript.

Cognos TM1 Web JavaScript Library

The JavaScript Library enables programmatic access to TM1 Web Websheet and CubeViewer objects in a combined HTML, JavaScript, and Dojo web page development environment. To use the JavaScript Library you need knowledge of HTML, JavaScript, Dojo, and the HTML Document Object Model (DOM).

See TM1 Web API .

Open Scorecarding Custom Diagram in TM1 Web

IBM Cognos TM1 Web users can now open and view their Scorecarding Custom Diagrams that were developed in Performance Modeler. Change to split chart view and change your chart type to the Scorecarding visualization that you want to use.

See the Scorecarding section of this document for details.

New features in IBM Cognos TM1 Scorecarding version 10.2.2

Visualizations enhancements are available in TM1 Scorecarding.

These features are described in the *IBM Cognos TM1 Performance Modeler Guide* and *IBM Cognos TM1 Web User Guide*.

Open Scorecarding Custom Diagram in TM1 Web

IBM Cognos TM1 Web users can now open and view their Scorecarding Custom Diagrams that were developed in Performance Modeler. Change to split chart view and change your chart type to the Scorecarding visualization that you want to use.

See Viewing Custom Diagrams in the *IBM Cognos TM1 Web User Guide*.

Use Custom Metric Indicators in Scorecarding Visualizations

Diagrams that are created with TM1 Scorecarding in TM1 Performance Modeler can now be opened and viewed within TM1 Web.

See Creating a TM1 Scorecard solution in the *IBM Cognos TM1 Performance Modeler Guide*.

Discover Impact Relationship among Metrics based on Metric Dimension Calculations

When you build an Impact Diagram, you can now automatically analyze the calculation expressions in your metrics dimension to discover and assign impacts among the metrics.

See Discovering impact relationships among Metrics for an Impact Diagram in the *IBM Cognos TM1 Performance Modeler Guide*.

Preview tab for building Custom Diagrams in Performance Modeler

The Custom Diagram editor in Performance Modeler now provides a Preview tab to see the diagram exactly as the end users will.

See *Creating a Custom Scorecard Diagram in the IBM Cognos TM1 Performance Modeler Guide*.

Scorecarding Visualization Interactivity Enhancements

The Impact Diagram and Strategy Map now have a specific area that contains controls for zoom, expand/ collapse all, and a legend to use these functions within one location.

See *Interaction with Scorecarding diagrams and visualizations in the IBM Cognos TM1 Performance Modeler Guide*.

Navigate your Scorecarding Dashboard with your Metrics

IBM Cognos Insight users can now navigate their Scorecarding dashboard by selecting a specific metric in a hover-over of their objectives in a strategy map.

See *Interaction with Scorecarding diagrams and visualizations in the IBM Cognos TM1 Performance Modeler Guide*.

New features in IBM Cognos TM1 Operations Console version 10.2.2

You have many more options for layout design and new reports.

New login

You can specify a Namespace on the TM1 Operations Console login screen.

See *Configuring the TM1 Operations Console in the IBM Cognos TM1 Operations Console Guide*.

New Layout Manager

You can put reports into tabs and manipulate the display more effectively. The user interface is now divided into Monitor and Configuration modes.

See *Monitoring servers in the TM1 Operations Console in the IBM Cognos TM1 Operations Console Guide*.

Additional server logs available

You can now use the Cognos TM1 Operations Console to access the transaction, message and audit server logs.

See *Log files in the IBM Cognos TM1 Operations Console in the IBM Cognos TM1 Operations Console Guide*.

New visualization charts available

Thread Summary and Memory Usage charts are now available in the TM1 Operations Console.

See Memory Usage Graph and Thread Details Graph in the *IBM Cognos TM1 Operations Console Guide*.

New features in IBM Cognos TM1 Performance Modeler version 10.2.2

New features found in IBM Cognos TM1 Performance Modeler.

Localizing your model

You can localize TM1 objects on your TM1 server, so that users can view object names in their current locale without requiring any configuration. This topic is described in the IBM Cognos TM1 Developer Guide. See Localizing your model.

TM1 Applications features

See “New features in IBM Cognos TM1 Applications version 10.2.2” for a list of the TM1 Applications features that are accessed in TM1 Performance Modeler:

Scorecarding features

See “New features in IBM Cognos TM1 Scorecarding version 10.2.2” on page 3 for a list of the TM1 Scorecarding features in this release.

New features in IBM Cognos TM1 Applications version 10.2.2

New features found in TM1 Applications

More flexibility when purging commentary

You can identify commentary to be purged using a variety of criteria. You can purge commentary for more than one application at a time.

See Purging commentary.

Modelers can prevent the Take Ownership option in a central application

Central applications have always had taking ownership as an option. Now Modelers can prevent Central application users from seeing that option or the related actions.

See Managing rights in a central application in the *IBM Cognos TM1 Performance Modeler Guide*.

Manage long running jobs in the background

You can monitor the deployment, the initial saving of rights, and the import of an application that may be taking a long time in the TM1 Applications portal and have those jobs processed in the background.

See Manage long running jobs in the background.

Security Overlay

You can use the Security Overlay processes to apply a layer of security to models.

See The interaction rights and access control in TM1 Applications in the *IBM Cognos TM1 Applications Guide* and Security TurboIntegrator Functions in the *IBM Cognos TM1 Reference Guide*.

New features in IBM Cognos TM1 Mobile Contributor version 10.2.2

Cognos TM1 Mobile Contributor 10.2.2 includes the following new features and enhancements:

TM1 Scorecarding

You can now view and interact with TM1 Scorecarding cubes and Impact diagrams.

Watchlist

A new Watchlist feature to monitor TM1 Scorecarding metrics such as status and trend.

Navigation

TM1 Mobile Contributor now has an enhanced user interface and layout that includes a sidebar to access TM1 Applications, TM1 servers and cubes, and the Watchlist.

Push notifications

Push notifications for Scorecarding are now monitored in the Watchlist.

See Deploying Cognos TM1 Mobile Contributor in the *IBM Cognos TM1 Installation and Configuration Guide* for information.

New features in Cognos Insight 10.2.2

There are new features in IBM Cognos Insight version 10.2.2.

For more information about these features, see the *IBM Cognos Insight User Guide* in the Cognos Insight product documentation (<http://www.ibm.com/support/knowledgecenter/SSVJ22/welcome>).

Print entire workspaces

You can now print entire workspaces at once instead of printing each tab one at a time.

Dynamic values

IBM Cognos Insight now includes dynamic values, which are widgets that display single members or measures from a crosstab. For example, if your crosstab displays revenue by year by product line, you can add a dynamic value to the title

of your workspace tab that displays the total revenue for this year.

Emphasize cells by using conditional formatting

You can now add conditional styles to IBM Cognos Insight workspaces to emphasize cells that meet specific conditions.

Support for importing ragged and unbalanced hierarchies

Ragged and unbalanced hierarchies can now be imported into IBM Cognos Insight. You can choose to preserve the original structure or adjust it.

In ragged hierarchies, some levels are missing from the data. For example, in the following table, the State level is missing in two rows.

Table 2. Example of a ragged hierarchy before import

| Region or country | State | City |
|-------------------|-------|---------------|
| USA | CA | San Francisco |
| USA | CA | Los Angeles |
| USA | | Washington DC |
| Vatican City | | Vatican City |

In unbalanced hierarchies, leaf members are not all at the same level. For example, in the following table, some leaf members are at Level 2, and some leaf members are at Level 3.

Table 3. Example of an unbalanced hierarchy before import

| Level 1 | Level 2 | Level 3 |
|------------|------------|------------|
| Employee A | Employee B | Employee E |
| Employee A | Employee B | Employee F |
| Employee A | Employee C | |
| Employee A | Employee D | |

Undo and redo

You can now reverse and repeat some actions that you perform on an IBM Cognos Insight workspace.

You can undo or redo up to 45 actions.

Restriction: You cannot use the **Undo** icon to reverse the following actions:

- Changing the data model, such as adding or removing members, dimensions, and cubes.
- Adding or removing comments.
- Running action buttons that execute IBM Cognos TM1 TurboIntegrator (TI) processes.
- Changing calculations.
- Running imports and exports.
- Connecting to an IBM Cognos Express® or IBM Cognos TM1 server.
- Printing, publishing, or sharing.

- Changes to your Cognos Insight setup or preferences.
- Holding or releasing cells.

Synchronize data

You can now synchronize the data in an IBM Cognos Insight workspace by widget, by tab, or by workspace. For example, you could synchronize the data changes in an explore point on tab A to the data in a crosstab on tab B.

Work with widgets

You can now view a list of the tabs and widgets in your IBM Cognos Insight workspace. You can use this list to navigate to specific tabs or widgets and to change tab or widget settings.

The **Workspace** section is a new part of the content pane. The section lists all of the tabs and widgets in the current workspace. From the **Workspace** pane, you can perform the following actions:

- Right-click a widget to access a list of commands for the widget. These commands are the same ones that are available from the **Widget Actions** menu.
- Right-click a tab to rename or delete it.
- Click a tab or widget to navigate to that object in the workspace.

Contributor and Reviewer views

Now, when IBM Cognos TM1 administrators connect to Cognos TM1 applications from IBM Cognos Insight, the contributor and reviewer views can appear with different layouts.

When application authors create applications in IBM Cognos TM1 Performance Modeler, they can define separate views for contributors and reviewers. When Cognos TM1 administrators connect to Cognos TM1 from Cognos Insight, they can choose the view that they want to work with: contributor or reviewer. In Cognos Insight, these views can appear with different layouts. For example, the contributor view could display a crosstab with several explore points; whereas, the reviewer view could display only a chart and crosstab.

These different layouts can be created in Cognos Insight. When a Cognos TM1 administrator publishes a workspace back to Cognos TM1, the view that they are publishing includes the workspace layout. So if a Cognos TM1 administrator is connected in the contributor view, that administrator can make changes to the layout of the workspace and publish it as the contributor view of that application.

For more information about Contributor and Reviewer views, see the *IBM Cognos TM1 Performance Modeler User Guide*. Access this document for your product and version on IBM Knowledge Center (<http://www.ibm.com/support/knowledgecenter>).

Captions displayed for current locale

In workspaces that have different captions for different languages, users now see only the caption that applies to the locale of IBM Cognos Insight, which is set in **My Preferences**.

New data spreading option

IBM Cognos Insight now includes the repeat leaves method of data spreading.

The repeat leaves method of data spreading enables you to copy a value to all leaves of the consolidation or only to those leaves that contain non-zero values.

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