Product Information

This document applies to IBM Cognos Version 10.1.0 FP1 and may also apply to subsequent releases. To check for newer versions of this document, visit the IBM Cognos Information Centers [http://publib.boulder.ibm.com/infocenter/cogic/v1r0m0/index.jsp].

Licensed Materials - Property of IBM

© Copyright IBM Corporation 2005, 2011.
US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.
Chapter 1. IBM Cognos Business Intelligence - Release notes

This document provides a list of known problems, useful topics, and links for working with IBM® Cognos® Business Intelligence products.

For the latest version of this document, see the Information Center for this product at http://publib.boulder.ibm.com/infocenter/cogic/v1r0m0/index.jsp

System requirements

To review an up-to-date list of environments supported by the product, such as operating systems, patches, browsers, web servers, directory servers, database servers, and application servers, see http://www-01.ibm.com/support/docview.wss?uid=swg27019126

Installing the product

For instructions on how to install the product, see the installation and configuration guides at http://publib.boulder.ibm.com/infocenter/cogic/v1r0m0/index.jsp

Fix list

The fix list compiles the known issues that were addressed in this release. The fix list for your product name and version is available from the following website:

- For IBM Cognos Business Intelligence Version 10.1.0: http://www.ibm.com/support/docview.wss?uid=swg27019175
- For IBM Cognos Business Intelligence Version 10.1.0 FP1: http://www.ibm.com/support/docview.wss?uid=swg27020853

Open APARs

You can track problems that are discovered and reported to IBM as a result of a product defect. These APARs (Authorized Program Analysis Reports) remain open until a fix is available.

A list of all open APARs is available from the following website:

http://www.ibm.com/support/search.wss?apar=only&tc=SS9RTN&sort=desc&word=aw&wfield=open

New features and fixes in version 10.1.0 FP1

This version provides support for more environments and improvements to IBM Cognos Business Insight. It also provides fixes for known issues.

IBM Cognos Business Insight enhancements

IBM Cognos Business Intelligence Version 10.1.0 FP1 includes enhancements to IBM Cognos Business Insight.

You can now position the content pane on the left of the work area. To do so, in Business Insight, on the application bar, click the Actions Menu button and click
My Preferences. Then, in the Set Preferences window, clear the Position pane on the right check box, and click OK. Refresh your web browser.

You can now resize charts. In the previous release, resizing a chart resulted in either scrollbars or white space in the widget. In this release, when you resize a chart widget, the chart resizes to fit the widget.

Support for more environments
IBM Cognos Business Intelligence Version 10.1.0 FP1 provides support for more environments.

To review an up-to-date list of environments supported by IBM Cognos Business Intelligence products, including information on operating systems, patches, browsers, Web servers, directory servers, database servers, and application servers, see [http://www.ibm.com/support/docview.wss?uid=swg27019126](http://www.ibm.com/support/docview.wss?uid=swg27019126).

Known problems
At the time of publication, the following problems and limitations were known.

Installation and configuration issues
This section contains known issues about installation and configuration.

Enable single signon between IBM Lotus Connections and IBM Cognos Business Intelligence
To enable single signon between IBM Lotus® Connections and IBM Cognos Business Intelligence using your Web server as the access point, you must install a Web server plug-in that is provided with your IBM WebSphere® Application Server installation.

In the product documentation, steps were provided allowing you to set up single signon but by accessing IBM Cognos BI through the dispatcher. Use these instructions to be able to use single signon while accessing the products through your Web server.

Procedure
1. Install the IBM Cognos Business Intelligence components.
   If you are distributing your installation, you must install the Gateway component on your Web server computer. If you are using a single server installation, install all of the components.
   You must install the Gateway component on the Web server computer so that the required static content is available.
2. Create a virtual directory for the Gateway named /p2pd/servlet that points to the c10_location/webcontent directory.
3. Run your IBM WebSphere Application Server installation, and select Web Server Plug-ins Installation.
4. Follow the steps in the wizard, and ensure sure you select the appropriate Web server for what you have installed.

For more information about installing the plug-in, see the following IBM WebSphere page: [http://publib.boulder.ibm.com/infocenter/wasinfo/v6r0/index.jsp?topic=/com.ibm.websphere.nd.doc/info/ae/ae/uns_road_plugins.html](http://publib.boulder.ibm.com/infocenter/wasinfo/v6r0/index.jsp?topic=/com.ibm.websphere.nd.doc/info/ae/ae/uns_road_plugins.html)
5. After you install the plug-in, you must configure IBM WebSphere Application
Server to know about the Web server following the information provided in
the Information Center link above.

6. Go to the c10_location\webapps\p2pd\WEB-INF directory on the computer
where you installed IBM Cognos BI, and open the file named ibm-web-ext.xmi
file in a text editor.

7. Change all values for fileServingEnabled to false.

8. Save and close the file.

9. Go to the c10_location\war\p2pd directory, and do the following:
   • Open the file named application.xml.template in a text editor.
   • Edit the application section to include a security-role element, as shown
     below:

     <application>
     <display-name>IBM Cognos 10</display-name>
     <module>
     <web>
     <web-uri>@p2pdwar@</web-uri>
     <context-root>@p2pd@</context-root>
     </web>
     </module>
     <security-role id="SecurityRole_Cognos_BI_User">
     <description/>
     <role-name>BI User</role-name>
     </security-role>
     </application>
   • Save and close the file.

After you have installed the IBM Cognos application to IBM WebSphere, you
must enable the role above.

10. Go to the c10_location\webapps\p2pd\WEB-INF directory, and do the
    following:
    • If you have installed Content Manager on the computer, open the file
      named web.xml.withCM in a text editor.
    • If you have not installed Content Manager, open the file named
      web.xml.noCM.
    • After the last servlet-mapping section, and before the closing web-apps
      element, add the following:

      <security-constraint>
      <web-resource-collection>
      <web-resource-name>Cognos Dispatcher</web-resource-name>
      <url-pattern>/servlet/dispatch/ext/*</url-pattern>
      <http-method>GET</http-method>
      <http-method>POST</http-method>
      </web-resource-collection>
      <auth-constraint>
      <role-name>BI User</role-name>
      </auth-constraint>
      </security-constraint>
      <login-config>
      <auth-method>BASIC</auth-method>
      <realm-name>Cognos Dispatcher</realm-name>
      </login-config>
      <security-role>
      <role-name>BI User</role-name>
      </security-role>
      • Save and close the file.

11. Use IBM Cognos Configuration to create the deployment file to install to IBM
    WebSphere.
Ensure that you do not include the static content when you generate the EAR file.

For more information, see the IBM Cognos Business Intelligence Installation and Configuration Guide chapter for configuring IBM Cognos BI to use an Application Server other than Tomcat.

12. Configure IBM Cognos BI as required using IBM Cognos Configuration, including securing it using the same authentication source as you have used for IBM Lotus Connections, and save your configuration.

13. Install the IBM Cognos application on IBM WebSphere Application Server. For single signon, you must enable a user role after you have installed the application.
   - In the IBM WebSphere administration console, click Applications > Enterprise applications.
   - Click IBM Cognos.
   - In the Detail properties section, click Security role to user/group mapping.
   - Select the Select check box for BI User, and select the All authenticated? check box.
   - Click OK, and then click Save.

14. After you install IBM Cognos to IBM WebSphere Application Server, you must generate and propagate the Web server plug-in configuration.
   To do this, in the IBM WebSphere administration console, under Servers, click Web servers. Select the Web server, and click Generate Plug-in. Then select the Web server again, and click Propagate Plug-in.

15. If you are not using an IBM WebSphere Network Deployment, you must swap keys between your IBM WebSphere profiles.
   - In your IBM WebSphere administration console, click Security > Secure administration, applications, and infrastructure.
   - In the Authentication section, click Authentication mechanisms and expiration.
   - In the Cross-cell single sign-on section, enter a password.
   - Export the key, and then import the key to the other profile.
   - Repeat these steps for the other profile so that you import a key from profile B into profile A, and import a key from profile A into profile B.

16. If you are using the Web server plug-in for load balancing, turn off the internal load balancing done by the dispatcher. For more information, see "Use Cluster Compatible Mode for Dispatchers" in the IBM Cognos Business Intelligence Administration and Security Guide.

Results

To access the IBM Cognos BI portal, your URL will be something like:

http://web_server_name/p2pd/servlet/dispatch/ext

**Mandatory Updates Required for IBM Lotus Connections Installation**

To use IBM Lotus Connections with IBM Cognos Business Intelligence, you must update your IBM Lotus Connections installation by applying a Fix Pack and some Interim Fixes.
For the most up-to-date information about required Fix Packs and Interim Fixes, see the Information Center for this product at http://publib.boulder.ibm.com/infocenter/cogic/v1r0m0/index.jsp.

You must apply the following to your IBM Lotus Connections 3.0 installation:

* Interim Fix, or iFix, LO56863
  
  The iFix is available from the IBM Fix Central Web site: http://www.ibm.com/eserver/support/fixes/fixcentral/

  Search for the iFix by entering the appropriate search criteria: for example, in *Product Group*, select *Lotus*. In *Product*, select *Lotus Connections*. In *Installed Version* select 3.0.0.0. In the *APAR or SPR* box, enter LO56863.

  The iFix appears in the search results as interim fix: 3.0.0.0-LC-Multi-ACTIVITIES-IFLO56863, and is downloaded as LO56863.jar.

You must apply the following to your IBM Lotus Connections 2.5 installation:

* Fix Pack version 2.5.0.2
  
  For more information about updating IBM Lotus Connections, see the following topic in the IBM Lotus Connections Information Center: http://publib.boulder.ibm.com/infocenter/ltscnnct/v2r0/index.jsp?topic=/com.ibm.connections.25.help/c_updating_lotusconnections.html

  The Fix Pack is available from the IBM Fix Central Web site: http://www.ibm.com/support/fixcentral/

  Search for the Fix Pack by entering the appropriate search criteria: for example, in *Product Group*, select *Lotus*. In *Product*, select *Lotus Connections*. In *Installed Version* select 2.5.0.0. In the *Individual fix IDs* box, enter 2.5.0.2-LC-Multi-FP000002. The downloaded Fix Pack is named LC2502_FixPack.jar.

* The following Interim Fixes must be applied:
  
  LO52700
  LO52560
  LO51723
  LO53215
  LO51605

  For IBM Cognos BI integration, you must then install Interim Fix LO52425, as described in the IBM Cognos Business Intelligence Installation and Configuration Guide.

  The Interim Fixes are available from the IBM Fix Central Web site: http://www.ibm.com/support/fixcentral/

  You can apply multiple Interim Fixes at the same time. For more information, see http://publib.boulder.ibm.com/infocenter/ltscnnct/v2r0/index.jsp?topic=/com.ibm.connections.25.help/t_install_interim-fix_silent-mode.html

  Search for the Interim Fix by entering the appropriate search criteria: for example, in *Product Group*, select *Lotus*. In *Product*, select *Lotus Connections*. In *Installed Version* select 2.5.0.0. For example, in the *APAR or SPR* box, enter LO52700.

**CCL-BIT-0006 error message when using WebSphere Application Server on a heavily loaded system**

On a heavily loaded system that uses WebSphere Application Server, some connections might terminate before IBM Cognos Business Intelligence finishes processing a request.
You might see the following message in the c10_location/logs cogserver.log file:

Failure RSV-SRV-0063 An error occurred while executing the 'asynchRun_Request' command. CCL-BIT-0006 The HTTP message is unexpectedly short.

When the connection closes before the request is processed, the request is lost and the user must resubmit the request.

You can help reduce the frequency of this error by increasing the Persistent Timeout parameter for the Web container transport chains in the WebSphere Administrative Console.

Increase the time in 10-15 second intervals until the error no longer or rarely occurs.

Setting up a TM1 server to use IBM Cognos authentication

When configuring IBM Cognos Business Insight to use content from a TM1® data server, to set up the TM1 server to use IBM Cognos authentication (CAM), you must set the IntegratedSecurityMode parameter on the TM1 server.

Procedure
1. On the TM1 server, open the Tm1s.cfg configuration file in a text editor.
   Tm1s.cfg is located in the TM1 server data directory.
2. Set the IntegratedSecurityMode parameter to 4, which supports user groups from both TM1 and IBM Cognos Business Intelligence.

Administration Host Must be Fully Qualified to Support TM1 Data Sources

Your installation includes IBM Cognos Business Intelligence Server and TM1 data sources. After upgrading or when creating or changing a TM1 data source connection, you may receive the following error message:

COGCQ00223094 - TM1-ERR-0060 the TM1 server is configured with an unsupported security mode.

To resolve the issue, change the Administration Host name to a fully qualified domain name in the Data Source Connections wizard.

For information about TM1 data sources and creating or modifying data source connections, see the IBM Cognos Business Intelligence Administration and Security Guide.

CCLOutOfMemoryError with report using TM1 as a data source on AIX

You may experience the error message CCLOutOfMemoryError on AIX® when running an IBM Cognos BI report that uses TM1 as a data source.

Number of requests per process

The error is related to the request-handling capacity of the BIBusTKServerMain process. By default, an unlimited number of requests can be made to this process before the process expires.

Each instance of the IBM Cognos service has one or more BIBusTKServerMain processes in memory, depending on the volume of requests. If a process is not
used for 15 minutes, the process is removed from memory and 'recycled'. If a
process has not yet recycled and a report is executed, the countdown resets and
the process remains in memory for another 15 minutes.

On AIX, the longer it takes for a BIBusTKServerMain process to recycle, the more
memory it consumes. To reduce the time to recycle and avoid the
CCLOutOfMemoryError, decrease the number of requests than can be made to the
process, so that the amount of memory consumed does not exceed 2 GB.

The limit that you set depends on the types of reports and the frequency with
which they are executed. You can start with a limit of 5000 requests and adjust the
number up or down until you find the optimum value for your environment. Or,
you can monitor the memory of the process and when it gets close to 2 GB, open
IBM Cognos Administration and check the number of requests that were served.
Use this number as the limit.

**Reducing the number of requests per process**

Use the following steps to reduce the number of requests per process for an
instance of the IBM Cognos service.

**Procedure**

1. Go to the `c10_location/webapps/p2pd/WEB-INF/services` directory.
2. Open the `reportservice.xml` file in an XML editor.
3. Change the value for `default_process_use_limit` from 0 (unlimited) to a fixed
   number of requests.
4. Save the file.
5. Restart the IBM Cognos service.
6. If you deployed IBM Cognos BI to an application server, rebuild the application
   file and deploy it to the application server.
   For example, for WebSphere, regenerate the EAR file and deploy it to the
   WebSphere application server.

**Results**

**Problems testing data source connections with IBM Cognos BI deployed on SAP 7.1.1 on UNIX**

If you have deployed IBM Cognos BI on SAP 7.1.1 running on a UNIX operating
system, you may receive an error when you test your data source connections in
IBM Cognos Administration.

To resolve this problem, you must update the library path and all paths used for
database client access in a SAP environment file named `.sapenv_servershname.sh`,
where `servername` is the name of your server.

**Procedure**

1. Go to the SAP administrator user's home directory.
2. Locate the file named `.sapenv_servershname.sh`, where `servername` is the name of
   your server.
3. Open the file in a text editor.
4. Add `c10_location/bin64` to the library path and any path locations required
   for database client access.
   For example, if you have installed IBM Cognos BI to /server1/home/ibm/
cognos/c10, your library path would look like the following:
LIBPATH=/server1/home/ibm/cognos/c10/bin64:/db/oracle/11.1.0.6/lib32:/server1/home/db2user/sql11ib/lib32:/usr/lib:/lib:$_DEF_EXE; export LIBPATH

5. Save the file, and restart the SAP and IBM Cognos BI processes.
6. Test your database connections again in IBM Cognos Connection.

**Configure IBM Cognos Business Intelligence to use Oracle Essbase**

If you use IBM Cognos Business Intelligence with an Oracle Essbase data source version 11.1.2 or version 9, you must edit a configuration file to inform the IBM Cognos BI server of your version.

By default, IBM Cognos BI is configured to use Oracle Essbase version 11.1.1. Therefore, no configuration is required if you use this version. If you use another supported version of Oracle Essbase, you must edit the qfs.config.xml file for your version.

In addition, if you use Oracle Essbase version 11.1.2, you must install Oracle Foundation Services as well as the Oracle Essbase client.

**Procedure**

1. Go to the c10_location/configuration directory.
2. Open the qfs_config.xml file in an xml or text editor.
3. Locate the following three lines:
   ```xml
   <!--provider name="DB2OlapODP" libraryName="essodp93" connectionCode="DO"-->
   <provider name="DB2OlapODP" libraryName="essodp111" connectionCode="DO">
   <!--provider name="DB2OlapODP" libraryName="essodp1112" connectionCode="DO"-->
   ```
4. For Oracle Essbase 11.1.2, change them as follows:
   ```xml
   <!--provider name="DB2OlapODP" libraryName="essodp93" connectionCode="DO"-->
   <provider name="DB2OlapODP" libraryName="essodp111" connectionCode="DO">
   <!--provider name="DB2OlapODP" libraryName="essodp1112" connectionCode="DO"-->
   ```
5. For Oracle Essbase 11.1.1, ensure that the lines appear as follows:
   ```xml
   <!--provider name="DB2OlapODP" libraryName="essodp93" connectionCode="DO"-->
   <provider name="DB2OlapODP" libraryName="essodp111" connectionCode="DO">
   <!--provider name="DB2OlapODP" libraryName="essodp1112" connectionCode="DO"-->
   ```
6. For Oracle Essbase 9, change them as follows:
   ```xml
   <provider name="DB2OlapODP" libraryName="essodp93" connectionCode="DO">
   <provider name="DB2OlapODP" libraryName="essodp111" connectionCode="DO">
   <provider name="DB2OlapODP" libraryName="essodp1112" connectionCode="DO">
   ```
7. Save the file and restart the IBM Cognos service

**Using Oracle Essbase on a UNIX or 64-bit Microsoft Windows operating system**

If you use an Oracle Essbase version 11.1.2 data source with IBM Cognos Business Intelligence on a UNIX or 64-bit Microsoft Windows operating system, you must manually configure the ARBORPATH and ESSBASEPATH environment variables.

During the Oracle Essbase client installation, the two environment variables ARBORPATH and ESSBASEPATH are created. IBM Cognos BI uses these variables to find the Oracle Essbase client location.

If you use Oracle Essbase version 11.1.2 with IBM Cognos BI on a UNIX or 64-bit Microsoft Windows operating system, you must install the 64-bit Essbase client provided by Oracle. This 64-bit client includes a 32-bit client that IBM Cognos BI
uses. To point to this 32-bit client, you must manually change the ARBORPATH and ESSBASEPATH environment variables to replace EssbaseClient with EssbaseClient-32, as follows:

ARBORPATH=C:\Hyperion\EPMSystem11R1\products\Essbase\EssbaseClient-32
ESSBASEPATH=C:\Hyperion\EPMSystem11R1\products\Essbase\EssbaseClient-32

If you use a 32-bit Microsoft Windows operating system with a 32-bit Oracle Essbase client, no configuration is required for these environment variables.

Administration issues

This section contains known issues about administration.

Oracle Essbase Version 11 Substitution Variables Must Be Set at the Cube Level

In IBM Cognos Business Intelligence, for Microsoft Windows operating systems, substitution variables that are created using the application manager on the Oracle Essbase server can be used to alter the context of a report. For example, by using substitution variables, such as current month or current quarter, you can change the assigned value in one place and the appropriate reports are dynamically updated when the report is run in all IBM Cognos studios. A given substitution variable can be set for an entire server, an application, or a database.

Substitution variables that are created with Oracle Essbase version 11 and intended for use with IBM Cognos BI can only be set at the cube level (application or database), but not at the server level. The following DB2® error message is displayed all IBM Cognos studios when attempting to load a cube that contains a substitution variable created at the server level:

DB2-ERR-0033 An error occurred while trying to access the substitution variables. Database error code: 1,051,085.

Code 1051085 corresponds to the following Oracle Essbase error message: “You do not have sufficient access to get this substitution variable.”

File location for restoring DB2 backup files for the samples databases is incorrect

In the Samples chapter in the IBM Cognos Administration and Security Guide, in the topic Restore Backup Files for the Samples Databases, there is an error in the file location for IBM DB2 databases. The location should be GS_DB\data, not DB2\data.

Issues affecting multiple components

This section contains general known issues. This includes issues that affect more than one IBM Cognos Business Intelligence component, such as IBM Cognos Query Studio and IBM Cognos Report Studio. Issues that affect just one component are described in the section for that component.

Caveats to reporting with TM1 element-level security in IBM Cognos Business Intelligence

This section describes limitations in the security that are associated with TM1 data sources in IBM Cognos Business Intelligence.

TM1-specific behavior:

The topics in this section describe security behavior that is specific to TM1.
**TM1 offers group-based security**

Multiple security settings in the same TM1/LDAP group are not supported. TM1 does not support user-based security. If two users from the same group are assigned different security rules, the group security connection reuse will result in unexpected results based on conflicting security settings.

To resolve the security issues, move the user(s) out of the group and create a new group with the modified security.

**Rollup values remain unchanged**

In TM1, the value of a non-leaf member does not change if some or all of its descendants are inaccessible.

**Inaccessible non-root members**

If a member is not accessible, but its parent is accessible, then all of the descendants will effectively become inaccessible.

**Members with no accessible children**

If a member is accessible, but none of its children are accessible, then the hierarchy is in effect unbalanced, and all documented cautions about reporting against unbalanced hierarchies apply.

**Inaccessible root members – parent-child hierarchies**

In a parent-child hierarchy, if a root member is inaccessible, the highest level accessible descendants effectively become root members, with level ordinal 0, and the level ordinals of their descendants are adjusted accordingly. This may result in the hierarchy becoming unbalanced.

**Inaccessible root members – level-based hierarchies**

In a level-based hierarchy, if a root member is inaccessible, the highest level accessible descendants remain at their original levels, with their original level ordinals. The hierarchy in effect becomes ragged

**Non-TM1-specific behavior:**

The topics in this section describe the security behavior of other components in IBM Cognos Business Intelligence in relation to TM1 data sources.

**Referenced Inaccessible members**

If a saved report references a member that is not accessible to the user, it will fail with an error message.

**Caution:** In Analysis Studio, the user will be prompted with a dialog asking if the user would like to attempt to run the report without that member. In most cases, the results are not useful except as a starting point for analysis not related to the inaccessible member(s).
Unbalanced hierarchies

Unbalanced hierarchies typically behave reasonably in Analysis Studio, and in Report Studio using descendant-based set expressions.

Caution: Unbalanced hierarchies tend to behave unpredictably in Query Studio, or in Report Studio when combined with relational constructs such as summary and detail filters.

Ragged hierarchies

Ragged hierarchies can present problems in the IBM Cognos studios when using a level-based hierarchy. When a parent member is hidden resulting in a skipped level, child members may not be visible to the user.

If there are no accessible members from level 0, no members will be visible for that hierarchy in the studio member view from which members are inserted. As a result, that hierarchy is unusable in Analysis Studio or Business Insight Advanced. The `RootMembers` function will return an empty result. `RootMember` (singular) will fail with an error message. Other member and set functions behave accordingly.

Cross-tabs that include an empty level often become empty when pivoted to a cross-tab. As a result, these cannot be successfully charted.

If the highest level accessible members are at different levels, this is a special type of ragged hierarchy. Depending on what else is present in the report (for example, detail or summary filters), the results may not be as expected.

Guidance: To avoid unpredictable behavior with ragged hierarchies, ensure that the set of visible members being reported against appears balanced to all users.

For example, it is usually safe to create a list report against Quarters and Months, as long as all visible months belong to a visible quarter, and all visible quarters contain at least one visible month.

Unexpected results pivoting a list report to a crosstab

A list report that has a blank level column due to inaccessible members may display unexpected behavior when pivoting to a crosstab. The crosstab report edge that involves the empty level will evaluate to an empty edge and create a blank report.

Blank folder in Analysis Studio when root member is inaccessible

If the root member(s) is (are) inaccessible in a named-level dimension, the member folder in Analysis Studio does not expand and as a result all accessible members are hidden.

This scenario also applies to Report Studio when customizing the default package tree settings to Member-oriented tree. Saved reports in Analysis Studio prompt to replace missing members.

If your report contains named-level dimensions and the root member is secured, the secured dimension view in Analysis Studio hides accessible members.
Line break rules in PDFs have changed
Line break rules for word wrapping in PDFs have changed slightly from the last release. Brackets and parenthesis such as {} and ( ) are now treated as breakable. For example, in past releases, the following string would be treated as a single non-breaking string.

Boilers(Steam)

In this release, "Boilers" and "(Steam)" are treated as separate strings which might result in the following when the string occurs at the end of a line.

Boilers
(Steam)

Quick tours appear only in English language
When you specify a product language other than English and you view quick tours from IBM Cognos Business Intelligence, they open in English regardless of the product language that you selected.

To view the quick tours in your language, access them from the IBM Cognos Information Center at http://publib.boulder.ibm.com/infocenter/cbi/v10r1m0/index.jsp

You can also download the IBM Cognos Business Intelligence Quick Tours package from http://public.dhe.ibm.com/software/data/cognos/documentation/tours/en/cognos8_bi/10.1.0/doctours_mp_win32_10.1.0_ml.tar.gz

IBM Cognos Business Insight issues
This section contains known issues about IBM Cognos Business Insight.

Minimal support for Microsoft Internet Explorer 6
IBM Cognos Business Insight does not fully support Microsoft Internet Explorer 6. When you use this browser, Business Insight might function correctly; however, performance is reduced and the appearance is degraded. For intended visual display and performance, use a more recent browser such as Mozilla Firefox version 3.5 or higher, or Microsoft Internet Explorer 8.

Secure Connection Failed error when accessing IBM Lotus Connections
In the "Secure Connection Failed error when accessing IBM Lotus Connections" topic of the troubleshooting section of the IBM Cognos Administration and Security Guide, you need only set the preference named security.ssl3.rsa_rc4_40_md5 to true to resolve the error.

Lineage shortcut keys are not included in the user guide
The keyboard shortcuts section of the IBM Cognos Business Insight User Guide does not include the shortcut keys for lineage. The following table lists the missing keyboard shortcuts:

<table>
<thead>
<tr>
<th>Shortcut Keys</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tab</td>
<td>Move focus to the next tab.</td>
</tr>
<tr>
<td>Shift + Tab</td>
<td>Move focus to the previous tab.</td>
</tr>
<tr>
<td>Up arrow</td>
<td>Scroll the window contents up.</td>
</tr>
</tbody>
</table>
Shortcut Keys | Description
--- | ---
Down arrow | Scroll the window contents down.
Left arrow | Scroll the window contents to the left.
Right arrow | Scroll the window contents to the right.
Ctrl+Left | Move the focus to the node on the left of the current node.
Ctrl+Right | Move the focus to the node on the right of the current node.
Ctrl+Up | Move the focus to the node above the current node.
Ctrl+Down | Move the focus to the node below the current node.
Alt+Up | Move the focus to the previous item within the current node.
Alt+Down | Move the focus to the next item within the current node.

Note: This correction will appear in the Business Insight User Guide in a future release.

**IBM Cognos Framework Manager issues**

At the time of publication, there were no known issues in IBM Cognos Framework Manager.

To check for open APARs, see “Open APARs” on page 1.

**IBM Cognos Transformer issues**

This section contains known issues about IBM Cognos Transformer.

**Using the cube group in the sample model Employee expenses.mdl**

The sample model Employee expenses.mdl contains a cube group named Employee that includes a few PowerCubes. These are only virtual PowerCubes. If you want to use them as data sources to create content in the IBM Cognos BI environment, you must generate the cubes and then publish the cube group.

**Procedure**

1. Open the Employee expenses model in IBM Cognos Transformer.
2. Generate the PowerCubes.
   - All PowerCubes in the model are generated.
3. Publish the Employee cube group using the Publish PowerCube as Data Source and Package option.

**IBM Cognos Analysis Studio issues**

At the time of publication, there were no known issues in IBM Cognos Analysis Studio.

To check for open APARs, see “Open APARs” on page 1.

**IBM Cognos Event Studio issues**

At the time of publication, there were no known issues in IBM Cognos Event Studio.
IBM Cognos Metric Designer issues
At the time of publication, there were no known issues in IBM Cognos Metric Designer.

To check for open APARs, see “Open APARs” on page 1.

IBM Cognos Metric Studio issues
At the time of publication, there were no known issues in IBM Cognos Metric Studio.

To check for open APARs, see “Open APARs” on page 1.

IBM Cognos Query Studio issues
This section contains known issues about IBM Cognos Query Studio.

SAP BW Summary Calculations
Calculations involving summaries on locked blocks have a high probability of being incorrect.

This is no workaround for this issue at this time.

IBM Cognos Report Studio issues
This section contains known issues about IBM Cognos Report Studio.

Unable to reopen active report saved in browser
You open an active report that you received in an e-mail by double-clicking the report in the e-mail. If you then save the report in your browser, you are unable to reopen the report afterwards.

You cannot reopen an active report that was saved in a browser. This is because saving an active report in a browser creates a new MHT file that is different from the original MHT file. To work around this, save the report from the e-mail onto your computer and then open the saved MHT file.

Microsoft Excel supported as external data sources only up to version Microsoft Excel 2003
The IBM Cognos Report Studio User Guide incorrectly states that the supported versions for Microsoft Excel (.xls) spreadsheet software files as external data sources are the same versions supported for report output in IBM Cognos BI.

In IBM Cognos BI version 10.1.0, external data sources from Microsoft Excel are supported only up to version Microsoft Excel 2003.

Lists display differently in Version 10.1.0
In earlier versions of IBM Cognos Report Studio, when you run an HTML report that contains an empty list, the output shows the title of the list, a blank space representing the null data, and then the next list title follows below it.

In this release, an empty list is treated as invalid HTML content and no blank space is displayed. The title of the empty list displays on the same line as the title of the list that follows it.
Horizontal pagination not supported on frames contained in a repeater table
You run a report that includes repeater tables in IBM Cognos Report Studio and nested objects are not displayed as pages horizontally.

This problem occurs if the report uses data frames that are nested in the repeater tables. Horizontal pagination is not supported for data frames such as list or crosstab that are nested in repeater tables.

Relational and Dimensional Reporting Styles
You can create reports in IBM Cognos Report Studio using either a relational reporting style or a dimensional reporting style. The Report Studio tools and query language are the same for both styles. However, it is important to choose a reporting style to ensure that you are making the most of your data and to avoid mixing dimensional and relational concepts.

How to choose a reporting style
When authoring a report, first choose your preferred reporting style for working with data: relational or dimensional. You can choose a reporting style from your viewpoint:
- If you think about your data as tables and columns, you have a relational viewpoint and should use a relational reporting style.
- If you think about your data as a number of dimensions intersecting at cells, you have a dimensional viewpoint and should use a dimensional reporting style.

Relational reporting style
The relational reporting style consists of lists. You focus the data with filters and summarize with header and footer summaries.
- If your data is purely relational, then only query subjects and query items appear in the Source tab of the Insertable Objects pane, and you must use the relational reporting style.
- If your data is dimensional, then dimensions appear in the Source tab of the Insertable Objects pane, and you can still use a relational reporting style, but instead of query items (columns) and query subjects (tables), you use measures, levels, and level properties.

To see an example of relational style reporting with dimensional data, see the Manager Profile sample report in the GO Data Warehouse (analysis) package.

The relational reporting style is similar to report authoring in IBM Cognos Query Studio.

Dimensional reporting style
The dimensional reporting style consists of measures and members from different hierarchies arranged in a crosstab with cell values at the intersections. You focus the data with set expressions that navigate from specific members in the hierarchy and summarize with set summaries.

To see an example of dimensional style reporting with dimensional data, see the GO Balance Sheet as at Dec 31, 2006 sample report in the GO Data Warehouse (analysis) package.
The dimensional reporting style is similar to report authoring in IBM Cognos Analysis Studio.

**Guidelines for each reporting style**

This user guide is divided into relational and dimensional reporting sections so that you can follow the best practices for using this product with the reporting style that you have chosen. The following table outlines the best practices for both reporting styles.

<table>
<thead>
<tr>
<th>Item</th>
<th>Relational reporting</th>
<th>Dimensional reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report type</td>
<td>Lists</td>
<td>Crosstabs</td>
</tr>
<tr>
<td></td>
<td>Crosstabs pivoted from lists</td>
<td>Charts created from scratch or from crosstabs</td>
</tr>
<tr>
<td></td>
<td>Charts created from lists</td>
<td>Maps created from scratch or from crosstabs</td>
</tr>
<tr>
<td></td>
<td>Maps created from scratch or from lists</td>
<td></td>
</tr>
<tr>
<td>Package tree</td>
<td>In the Insertable Objects pane (Source tab), click the view members tree button.</td>
<td>In the Insertable Objects pane (Source tab), click the view members tree button.</td>
</tr>
<tr>
<td></td>
<td>If you are using dimensional data, hide members in the source tree by right-clicking the tree, clicking Package Tree Settings, and clearing the check boxes for Members and Members for each level.</td>
<td>Ensure that the source tree tool bar is set to Create sets for members:</td>
</tr>
<tr>
<td></td>
<td>The view will include the following:</td>
<td>The view will include the following:</td>
</tr>
<tr>
<td></td>
<td>package</td>
<td>package</td>
</tr>
<tr>
<td></td>
<td>folder</td>
<td>folder</td>
</tr>
<tr>
<td></td>
<td>namespace</td>
<td>measure</td>
</tr>
<tr>
<td></td>
<td>query subject</td>
<td>member</td>
</tr>
<tr>
<td></td>
<td>query item</td>
<td>named set</td>
</tr>
<tr>
<td></td>
<td>measure</td>
<td></td>
</tr>
<tr>
<td></td>
<td>level</td>
<td></td>
</tr>
<tr>
<td>Inserting data</td>
<td>From the package tree, add query items to the report.</td>
<td>From the package tree, add sets of members to the report.</td>
</tr>
<tr>
<td></td>
<td>Avoid using hierarchies directly in the report.</td>
<td>You can also choose to insert just the member, just the children of the member, or the member and its children.</td>
</tr>
<tr>
<td></td>
<td>Avoid using named sets.</td>
<td></td>
</tr>
</tbody>
</table>
### Item Relational reporting Dimensional reporting

<table>
<thead>
<tr>
<th>Calculating data</th>
<th>Add query calculations using only relational and common constructs.</th>
<th>Add query calculations using only dimensional and common constructs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Choose only Other expression.</td>
<td>Use Other expression only for value calculations.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Avoid Common functions that are marked with an exclamation mark (!) because they have limited support.</td>
</tr>
<tr>
<td>Summarizing data</td>
<td>Headers and footers in lists</td>
<td>Member set summaries; for example, aggregate within set</td>
</tr>
<tr>
<td></td>
<td>Crosstab member summaries; for example, aggregate within detail</td>
<td></td>
</tr>
<tr>
<td>Focusing data</td>
<td>Add detail or summary filters to view only the data you want to see. For example, add the Quarter query item to a list and filter by Q3.</td>
<td>Add only the relevant members to an edge of the crosstab or to the context filter. For example, only add the Q3 member to your report.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Use a set expression such as Topcount or Filter.</td>
</tr>
<tr>
<td>Drilling</td>
<td>Drilling through by value</td>
<td>Drilling through by member</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Drilling up and down</td>
</tr>
<tr>
<td>Page and section breaks</td>
<td>Simple page breaks</td>
<td>Simple page breaks</td>
</tr>
<tr>
<td></td>
<td>Page sets</td>
<td>Page sets</td>
</tr>
<tr>
<td></td>
<td>Sections</td>
<td>Page layers</td>
</tr>
<tr>
<td></td>
<td>Master detail relationships using parameterized filters</td>
<td>Master detail relationships using parameterized edge or slicer expressions</td>
</tr>
</tbody>
</table>

### New and Changed Functionality for Active Reports
The following functionality for authoring active reports is either new or changed in IBM Cognos Report Studio.

### New and Changed Properties
The following properties either do not appear in the Report Studio User Guide or their descriptions have been updated.

- **Show Pointer Cursor**
  This property specifies whether to show the pointer cursor as a hand when hovering over an area that is clickable. You can set the value of this property for multiple objects simultaneously by first control+clicking the items in the report.

- **Clickable Region**
  This property specifies whether to make the object clickable. You can set the value of this property for multiple objects simultaneously by first control+clicking the items in the report.
This property specifies whether to make the object clickable. When (Default) is selected, the value is inherited from the Clickable Regions property of the parent object.

- **Clickable Regions**
  This property specifies which areas of the data container are clickable. When you double-click the property, a dialog box appears, and you select to make either the entire data container clickable or only specific parts of the container. For example, for crosstabs, you can make the columns, rows, or fact cells clickable.

  **Note:** You can further refine which areas in a list or crosstab are clickable with the Clickable Region properties described above.

- **Show Hover**
  In addition to various chart types, you can specify the Show Hover property for lists, crosstabs, and maps. You can set the value of this property for multiple objects simultaneously by first control+clicking the items in the report.

- **Visible, Allow Sorting**
  You can set the value of these properties for multiple objects simultaneously by first control+clicking the items in the report.
  
  In the Report Studio User Guide, the Visible property is incorrectly referred to as the Visibility property.

**Visual Aids Button for Active Reports**

The visual aids button for active reports is labeled Show Interactive Object Controls. In the Report Studio User Guide, it is incorrectly referred to as Show Helper Controls and Show Active Object Controls.

**Active Report Properties Dialog Box**

In the Report Studio User Guide, the topic for this dialog box mentions that you can specify an icon that will appear beside the window title when an active report is viewed. This is incorrect.

**Unable to View Active Reports in Mozilla Firefox**

When you try to view an active report in the Mozilla Firefox browser, you may see a blank page or the following message appears:

> Your report is ready and will download to your Web browser in a few moments.

However, the report never appears. This problem occurs in the following scenarios:
- You try to open the saved output of an active report in IBM Cognos Connection.
- You try to run an active report from within IBM Cognos Report Studio.

The issue is with the UnMHT add-on, and was reported on the UnMHT Warehouse Web site.

A solution was implemented for each scenario above to work around the issue when using the Mozilla Firefox browser.
- When you try to view an active report in IBM Cognos Connection, instead of opening directly, the download dialog box appears, prompting you to open or save the report.
In Report Studio, the default action is **Download Active Report** when clicking the run report button.

Note that if you click the drop-down arrow and choose **Run Active Report**, the report will not render.

**IBM Cognos Business Insight Advanced issues**

This section contains known issues about IBM Cognos Business Insight Advanced.

**Use filter techniques that match your reporting style**

For predictable results, how you filter data in your report depends on whether you are using a relational reporting style or a dimensional reporting style.

For more information on these reporting styles, see "Relational and Dimensional Reporting Styles."

Not following these guidelines might yield unexpected results. In addition, the results may change depending on the following factors:

- what else is on the report
- the data source
- whether the package uses Dynamic Query Mode

**Relational reporting style**

If you are using the relational reporting style, use summary and detail filters.

If you are using the relational reporting style with relational data, use only the techniques in the Filter Relational Data section of the IBM Cognos Business Insight Advanced User Guide.

If you are using the relational reporting style with dimensional data, use only the techniques described in the following sections of the Business Insight Advanced User Guide:

- the initial description in the Filter Dimensional Data section
- Create Custom Filter
- Combine Filters

**Dimensional reporting style**

If you are using the dimensional reporting style, use only the techniques described in the following sections of the Business Insight Advanced User Guide:

- Create a Context Filter
- Limit Data to Top or Bottom Values
- Filter the Members Within a Set

**Relational and Dimensional Reporting Styles**

You can create reports in IBM Cognos Business Insight Advanced using either a relational reporting style or a dimensional reporting style. The Business Insight Advanced tools and query language are the same for both styles. However, it is important to choose a reporting style to ensure that you are making the most of your data and to avoid mixing dimensional and relational concepts.
For more details on relational and dimensional reporting styles, see the following sections in this guide:

- “How to choose a reporting style” on page 15
- “Relational reporting style” on page 15
- “Dimensional reporting style” on page 15
- “Guidelines for each reporting style” on page 16

**IBM Cognos Virtual View Manager issues**

This section contains known issues about IBM Cognos Virtual View Manager.

**Graph components removed from Web Administration**
The following graphs are no longer available in Web administration:

- input and output graphs for the I/O log
- memory graphs for the memory recently used by the server
- storage graphs for available disk space

**Series 7 Integration issues**

At the time of publication, there were no known issues in IBM Cognos Series 7 integration.

**General documentation issues**

This section contains general documentation issues.

**Issues with printing PDFs**

If you are unable to print a PDF or some pages are not printing, upgrade your copy of Adobe Reader to version 9 or later.

**Adobe Reader displays corrupted characters in the Bookmarks pane**

When viewing documentation with Adobe Reader version 7, some extended characters (notably the é character) display as dots (.), and the font is different from that used for the rest of the bookmarks.

To resolve this issue, upgrade your copy of Adobe Reader to the latest version.
Chapter 2. Deprecation notices

This section contains IBM Cognos Business Intelligence deprecation notices.

Upgrade paths

IBM Cognos Business Intelligence 10.1.0 is the last release that allows the direct upgrade of ReportNet®, IBM Cognos BI 8.1, or IBM Cognos BI 8.2 content. Future releases will first require that content from these versions be upgraded to IBM Cognos BI 10.1.0 before upgrading to that release.
Notices

This information was developed for products and services offered worldwide.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing
Legal and Intellectual Property Law
IBM Japan Ltd.
1623-14, Shimotsuruma, Yamato-shi
Kanagawa 242-8502 Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.
IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Software Group
Attention: Licensing
3755 Riverside Dr
Ottawa, ON K1V 1B7
Canada

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM’s future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.
IBM, the IBM logo, ibm.com, and Cognos are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at www.ibm.com/legal/copytrade.shtml.

The following terms are trademarks or registered trademarks of other companies:

- Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.
Index

A
active reports
  unable to reopen after saving in browser 14
  unable to view in Firefox 18
Administration Host name
  when creating or changing a TM1 data source connection 6
Adobe Reader
  corrupt text in bookmarks pane 20
Analysis Studio
  behavior with TM1 when root member is inaccessible 11
ARBORPATH
  environment variables 8
Authorized Program Analysis Reports 1

B
Business Insight
  enhancements 1
Business Insight User Guide 12

C
CCL-BIT-OOO6
  error message 6
charts
  resizing in Business Insight 1
  configuration instructions 1
content pane
  moving in Business Insight 1
corrupt text
  Adobe Reader 20
crosstab
  nested in repeater tables 15

data frames
  nested in repeater tables 15
data source connections
  Administration Host name for TM1 data sources 6
deprecations
  upgrade paths 21
documentation
  installation and configuration guides 1

E
ESSBASEPATH
  environment variables 8
external data
  Microsoft Excel 14

F
fix list
  issues fixed in this release 1
fix packs for IBM Lotus Connections 2, 5
Framework Manager
  issues 13

H
HTTP message is unexpectedly short 6

I
IBM Lotus Connections 2, 5
inaccessible members
  secured elements in TM1 data sources 9
  installation instructions 1

K
keyboard shortcuts
  lineage 12
known issues
  administration 9
  Analysis Studio 13
  Business Insight Advanced 19
  Event Studio 14
  Framework Manager 13
  general 9
  installation and configuration 2
  Metric Studio 14
  Query Studio 14
  Report Studio 14
  Series 7 integration 20
  Transformer 13

L
lineage
  keyboard shortcuts 12
list
  nested in repeater tables 15

M
Metric Designer
  known issues 14
Microsoft Excel
  external data 14

N
new features
  version 10.1.0 FP1 1

O
Oracle Essbase
  configuring 8
  UNIX and 64-bit Microsoft Windows 8
Oracle Essbase version 11
  setting substitution variables in IBM Cognos 8 9

© Copyright IBM Corp. 2005, 2011
printing 20
product defects
  tracking reported defects 1

quick tours 12

release information
  fix list 1
report output
  nested list or crosstab in repeater tables 15
Report Studio
  external data 14
  unable to reopen active reports after saving in browser 14
Report Studio
  behavior with TM1 when root member is inaccessible 11
RSV-SRV-0063
  error message 6

samples
  using sample cube group 13
security
  secured elements in TM1 data sources 9
security (continued)
  with TM1 data sources 10
substitution variables
  Oracle Essbase version 11 9
  supported environments 1
  system requirements 1

TM1
  behavior of ragged hierarchy in IBM Cognos studios 10
  behavior of studios when root member is inaccessible 11
TM1 data source
  group-based security 10
TM1 data source connections
  Administration Host name 6
TM1 data sources
  secured elements 9
Transformer
  known issues 13
troubleshooting
  unable to reopen active reports after saving in browser 14
  unable to view active reports in Firefox 18

upgrade paths
  deprecated 21