IBM Cognos Business Intelligence

Version 10.1.0

Release Notes
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This section contains cross references to known problems that were added on or after October 19, 2010.

Updated: February 8, 2011

The following Release notes updates were made on February 8, 2011.

Known problems - IBM Cognos Report Studio issues

- Added - "Microsoft Excel supported as external data sources only up to version Microsoft Excel 2003" (p. 19).
- Added - "Unable to Reopen Active Report Saved in Browser" (p. 19).

Updated: December 14, 2010

The following Release notes update was made on December 14, 2010.

Known problems - IBM Cognos Business Insight issues

- Added - "Unable to access How-to Videos" (p. 16).

Updated: October 19, 2010

The following Release notes updates were made on October 19, 2010.

Known problems - Installation and configuration issues

- Added - "Enable single signon between IBM Lotus Connections and IBM Cognos Business Intelligence" (p. 8).
- Added - "CCLOutOfMemoryError with report using TM1 as a data source on AIX" (p. 12).

Known problems - IBM Cognos Statistics issues

- Added - "Unable to run reports that include IBM Cognos Statistics objects" (p. 25).
Chapter 1: Release notes updates by date
Chapter 2: 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 www.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:

www.ibm.com/support/docview.wss?uid=swg27019175

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:

www.ibm.com/support/search.wss?par=only&ctc=SS9RTN&sort=desc&word=aw&wfield=open

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.

Steps
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 Information Center page: http://publib.boulder.ibm.com/infocenter/wasinfo/v6r0/index.jsp?topic=/com.ibm.websphere.nd.doc/info/ae/ae/tins_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:

   ```xml
   <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">
   ```

   Chapter 2: IBM Cognos Business Intelligence - Release notes
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:

     ```xml
     <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 the more information, see "Use Cluster Compatible Mode for Dispatchers" in the IBM Cognos Business Intelligence Administration and Security Guide.

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](http://publib.boulder.ibm.com/infocenter/cogic/v1r0m0/index.jsp).

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

- Fix Pack version 2.5.0.2


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/ltscnct/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 2.5.0.2. For example, in the Text box, enter LO52700.

Ensure that you select the checkbox to include prerequisite and corequisite fixes, and then ensure that all of the prerequisite and corequisite fixes are selected before you download.

**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 to 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.

Steps

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 following error message on AIX when running an IBM® Cognos® BI report that uses TM1® as a data source:

CCLOutOfMemoryError

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.

**Steps**
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.

**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 Guide, in the topic Restore Backup Files for the Samples Databases, there is an error in the file location for 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.

Dynamic query mode supports IBM Cognos TM1 9.5.1 data sources

You can use the dynamic query mode with the following OLAP data sources:

- IBM Cognos® TM1®, Version 9.5.1
- SAP Business Information Warehouse (SAP BW), Version 7.1
- Oracle Essbase, Versions 9 and 11

For more information, see the IBM Cognos Business Intelligence Dynamic Query Guide. Also, the Dynamic Query Cookbook is available in the Proven Practices section of the IBM Cognos Customer Center (http://www.ibm.com/software/data/cognos/customercenter/).

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 Report Studio Express.
- 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)*

**IBM Cognos Business Insight issues**

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

**Unable to access How-to Videos**

If you do not have access to the How-to Videos from IBM® Cognos® Business Insight, an administrator must add the public IBM website domain to the valid domain list for IBM Cognos BI Server.
The How-to Videos are hosted on the ibm.com domain, which is a different host than your IBM Cognos BI server.

**Steps to add the How-to Videos' host domain to the valid domain list for IBM Cognos BI Server**
1. On the report server where Application Tier Components for IBM Cognos BI server are installed, start IBM Cognos Configuration.
2. In the Explorer window, under Security, click IBM Cognos Application Firewall.
3. In the Properties window, add *.ibm.com to the IBM Cognos list of valid names:
   - For the Valid domains or hosts property, click the value and then click the edit button.
   - In the Value - Valid domains or hosts dialog box, click Add.
   - In the blank row of the table, click and then type *.ibm.com. The wildcard character (*) allows the domain and all its sub-domains.
   - Click OK.
4. Save the configuration and restart the IBM Cognos service.

**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>
<tr>
<td>Down arrow</td>
<td>Scroll the window contents down.</td>
</tr>
</tbody>
</table>
### Shortcut Keys

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

**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" (p. 7).

### 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.

### Steps to publish the cube group

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" (p. 7).

IBM Cognos Event Studio issues

At the time of publication, there were no known issues in IBM® Cognos® Event Studio. To check for open APARs, see "Open APARs" (p. 7).

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" (p. 7).

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" (p. 7).

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 of 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 <strong>Insertable Objects</strong> pane (Source tab), click the view members tree button.</td>
<td>In the <strong>Insertable Objects</strong> 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 <strong>Package Tree Settings</strong>, and clearing the check boxes for <strong>Members</strong> and <strong>Members for each level</strong>.</td>
<td>Ensure that the source tree tool bar is set to <strong>Create sets for members</strong>:</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>namespace</td>
</tr>
<tr>
<td></td>
<td>query subject</td>
<td>query subject</td>
</tr>
<tr>
<td></td>
<td>query item</td>
<td>query item</td>
</tr>
<tr>
<td></td>
<td>measure</td>
<td>measure</td>
</tr>
<tr>
<td></td>
<td>level</td>
<td>level</td>
</tr>
<tr>
<td>Item</td>
<td>Relational reporting</td>
<td>Dimensional reporting</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------------------------------------------------------------------------------------</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>
<tr>
<td>Calculating data</td>
<td>Add query calculations using only relational and common constructs.</td>
<td>Add query calculations using only dimensional and common constructs.</td>
</tr>
<tr>
<td></td>
<td>Choose only <strong>Other expression</strong>.</td>
<td>Use <strong>Other expression</strong> only for value calculations.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Avoid <strong>Common functions</strong> 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 <strong>Topcount</strong> or <strong>Filter</strong>.</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>
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<td></td>
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<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.

- **Clickable Region**
  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" (p. 25).

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
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" (p. 20)
- "Relational reporting style" (p. 20)
- "Dimensional reporting style" (p. 21)
- "Guidelines for each reporting style" (p. 21)

IBM Cognos Statistics issues

This section contains known issues about IBM® Cognos® Statistics.

Unable to run reports that include IBM Cognos Statistics objects

This problem occurs when the IBM® Cognos® BI server is installed on AIX®, and the Fortran libraries are missing. The AIX IBM SPSS® Statistics Server, which powers Cognos Statistics, requires the Fortran libraries.

The AIX SPSS Statistics Server requirements include:

- AIX version 5.3 or 6.1
  
  Check the version using the oslevel -r command. The output from the command must be 5300-05 or higher.

- XL C++ runtime, version 8.0.0.7 or higher
  
  Check the version using the lslpp -l xlC.rte command. You can download this product from

  http://www.ibm.com/software/awdtools/xlcpp/support/
Chapter 2: IBM Cognos Business Intelligence - Release notes

- XL Fortran Enterprise Edition V10.1 for AIX Runtime Environment, version 10.1.0.0 or higher
  Check the version using the `ls1pp -1 xlfrte` command. You can download this product from

**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. To check for open APARs, see "Open APARs" (p. 7).

**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 3: 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.
Chapter 3: Deprecation notices
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