



**INTEGRATED FINANCIAL STATEMENTS BLUEPRINT
INTEGRATED FINANCIAL STATEMENTS SETUP DOCUMENT
A WEB-BASED PERFORMANCE MANAGEMENT SOLUTION**



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Blueprint Overview

This document explains the content and provides installations steps for a web-based solution reporting for the Integrated Financial Statements Blueprint.

IBM Cognos Blueprints are pre-defined data, process, and policy software models developed in partnership with leading academic institutions to address specific business process problems. They are essentially “quick-start” data models that IBM Cognos customers can download and implement at no extra cost.

Using the Blueprint with your IBM Cognos performance management system will enable users to clearly identify strategic performance and track it in a consistent, logical manner. It also provides a simple yet powerful way to monitor different Metrics and KPIs to better evaluate and take actionable items to increase performance.

Blueprint Contents

- 1. Integrated Financial Statements Blueprint.zip**
This is the entire file structure for the BI deployment, Framework Manager Model and graphics with a categorized folder structure to house the extracted files.
- 2. Integrated Financial Statements BI Deployment.zip**
This is the BI Deployment file consisting of reports and portal pages specific to this Blueprint.
- 3. Integrated Financial Statements Blueprint Setup Instructions.pdf**
Description of the necessary files and steps needed to setup both environments for the Planning and BI portions of the Blueprint.
- 4. Integrated Financial Statement Images.zip**
Images required when rendering dashboards and reports.
- 5. Integratedfinancials.zip**
This file is the Contributor Deployment file which will be imported through the TM1 Administration user interface.

Making Content Files Available for Each Application

2.1 Unzipping the Integrated Financial Statements Blueprint Content

Unzipping the '**Integrated_Financial_Statements_Blueprint_Content.zip**' file will create the following directories:



| Name | Size | Type ▲ | Date Modified |
|---------------------------|------|-------------|--------------------|
| Deployment File - Reports | | File Folder | 1/27/2010 3:29 PM |
| Documentation | | File Folder | 2/1/2010 9:55 AM |
| Framework Manager Model | | File Folder | 1/29/2010 4:42 PM |
| TM1 Application | | File Folder | 12/21/2009 2:32 PM |

* We will reference these directories, which store the pertinent files.

2.2 Copying the Necessary Files

1. Copy the **Integrated_Financial_Statements_Blueprint_BI_Deployment.zip** file from the 'Deployment File – Reports' folder to the <IBM Cognos 8 install location>\deployment folder.

Note: Depending upon the BI environment configuration the location of the deployment folder may be setup to a different server, confirm the location with the BI administrator.

2. Copy the contents of the 'TM1 Application' folder to <YourIBMCognosTM1 Blueprint Folder>\



IBM Cognos TM1 Content

The purpose of the TM1 data model is to have it available as a data source for the Business Intelligence Analytics. The TM1 data model should not be considered anything more than this and should not be seen as an example of manufacturing planning, retail planning, allocation methodology or any other type of planning. For proven practices for specific planning processes please refer to the blueprints designed to support functional and industry sector blueprints.

The following steps will navigate through the steps required to create a new IBM Cognos TM1 Server instance and configure the objects needed for the IBM Cognos TM1 content to work properly.

3.1 Configure a new IBM Cognos TM1 Server instance

The following steps provide a quick guideline on how to get a new IBM Cognos TM1 server instance, however a more detailed explanation can be found in the IBM Cognos TM1 Server Administration document.

To configure a new IBM Cognos TM1 Server instance the following files are required:

1. Tm1s.cfg
2. Tm1s.lic
3. A shortcut to execute tm1s.exe using the Blueprint content as the working directory.

Copy the tm1s.lic File

The **tm1s.lic** file is included in your IBM Cognos TM1 installation. This file can be copied from <YourIBMCognosTM1_DirectoryInstall>/bin folder. The content of this file is similar to:

```
DATABASE_TYPE=TM1 PROPRIETARY
CLASS=505
LICENSE=<YourLicense>
MAX_USERS=99999
MAX_READONLY_USERS=99999
EXPIRE_DT=<YourExpiryDate>
LOCATION=
ORGANIZATION=<YourCompany>
LICENSOR=
INSTALL_ID=
PRODUCT= .....
```

Copy the **tm1s.lic** file to '**<YourIBMCognosTM1 Blueprint Folder>\IntegratedFinancials\objects'** to create a new server instance.



Modify the Tm1s.cfg server configuration file

From the '<YourIBMCognosTM1 Blueprint Folder>\IntegratedFinancials\objects' folder, modify the 'tm1s.cfg' file.

This file needs to be modified to **point to the IBM Cognos TM1 Admin Server on your environment**. The file is provided as:

```
[TM1S]
ServerLogging=F
SecurityPackageName=Kerberos
IntegratedSecurityMode=1
UseSSL=T
ServerName=Integrated Financials
DataBaseDirectory='<YourIBMCognosTM1 Blueprint Folder>\IntegratedFinancials\objects'
AdminHost=YourAdminHost
PortNumber=90001
ClientMessagePortNumber=
Language=ENG
SaveTime=
DownTime=
ProgressMessage=True
AuditLogOn=F
AuditLogMaxFileSize=100 MB
AuditLogUpdateInterval=60
DefaultMeasuresDimension=T
```

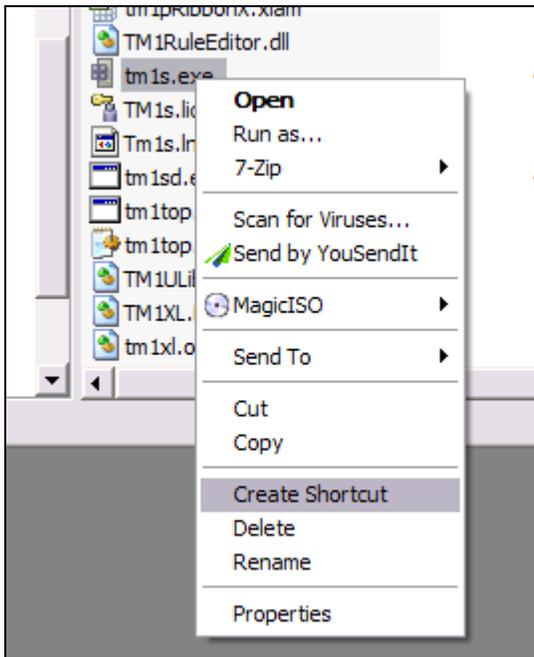
The parameters highlighted in **red** need to be reviewed and modified accordingly for your company's environment. If there is certainty that the default TCP ports above are not being used, they can be left unchanged.

The "AdminHost" parameter would need to be changed to reflect the IBM Cognos TM1 Admin Sever host setting in your environment.

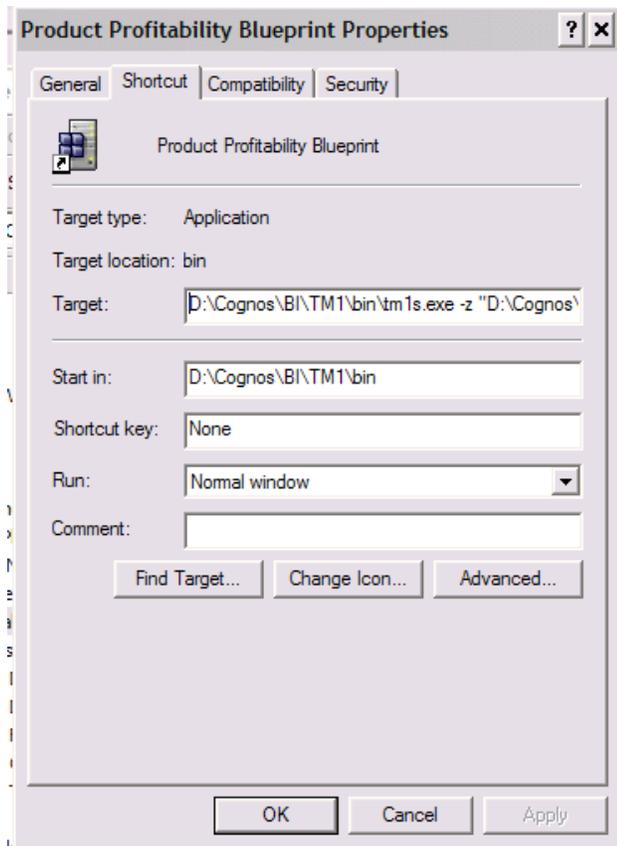


Modify/Create the Server Shortcut

Navigate to '<YourIBMCognosTM1_DirectoryInstall>/bin' folder; create a shortcut to tm1s.exe.



1. Copy the shortcut created to '<YourIBMCognosTM1 Blueprint Folder>\objects'
2. Rename the shortcut to be "Integrated Financials"
3. Edit the Shortcut Properties



The **"Target"** property of the shortcut needs to be changed to read:

```
<YourIBMCognosTM1 InstallFolder>\bin\tm1s.exe -z "  
<YourIBMCognosTM1 Blueprint Folder>\objects"
```

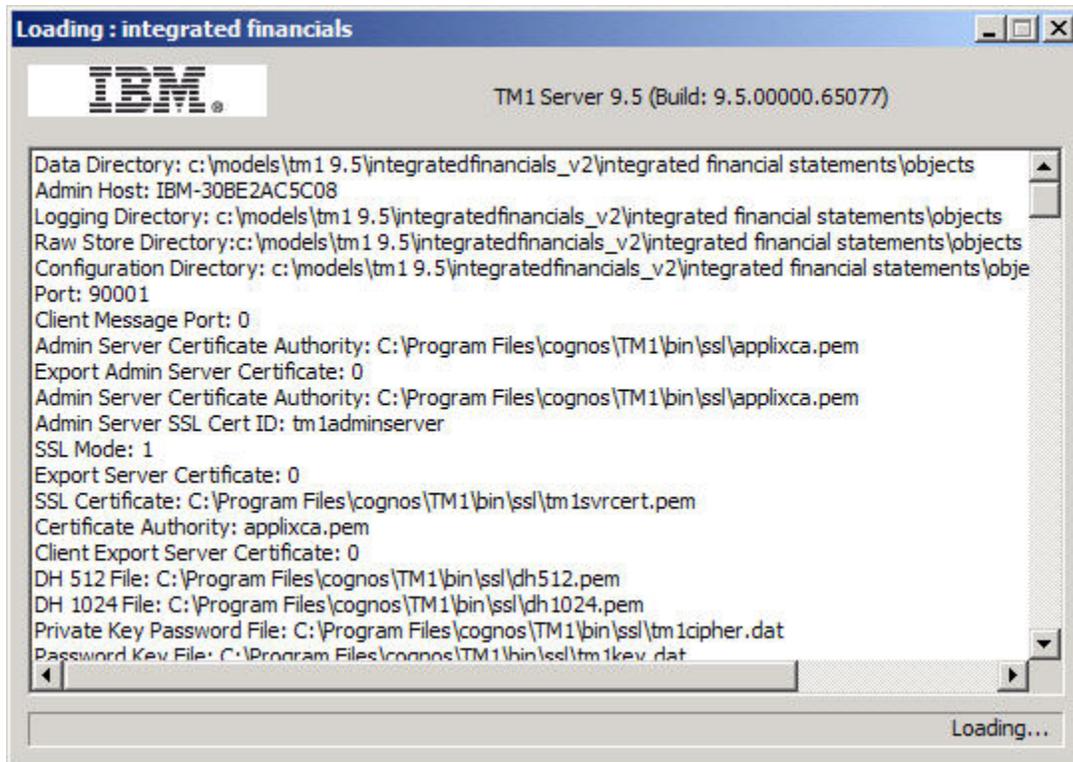
Notice that the last portion of the command is the folder where the IBM Cognos TM1 content was extracted to.

Click onto **OK** to save the changes.

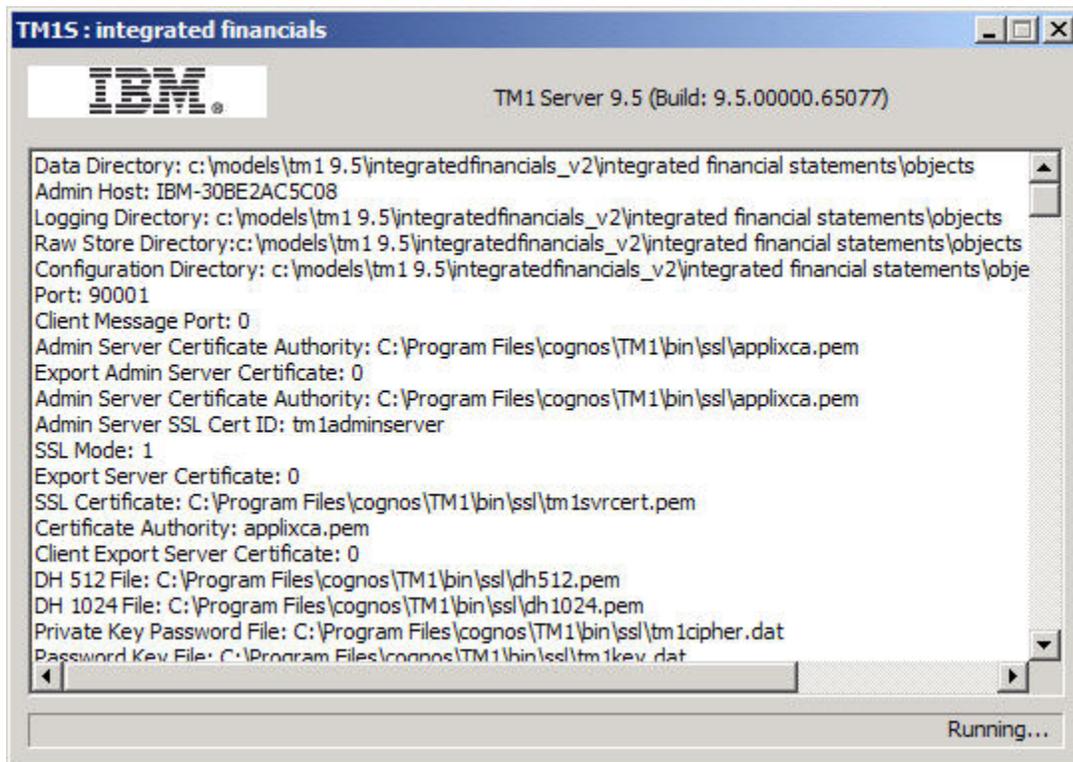
3.2 Testing the new IBM Cognos TM1 Server instance

From the '**<YourIBMCognosTM1 Blueprint Folder>\objects**' folder, double click the **'Integrated Financials'** shortcut.

The following dialog will appear:



After all cubes have been loaded, the lower right corner of the dialog will display **Running...**:





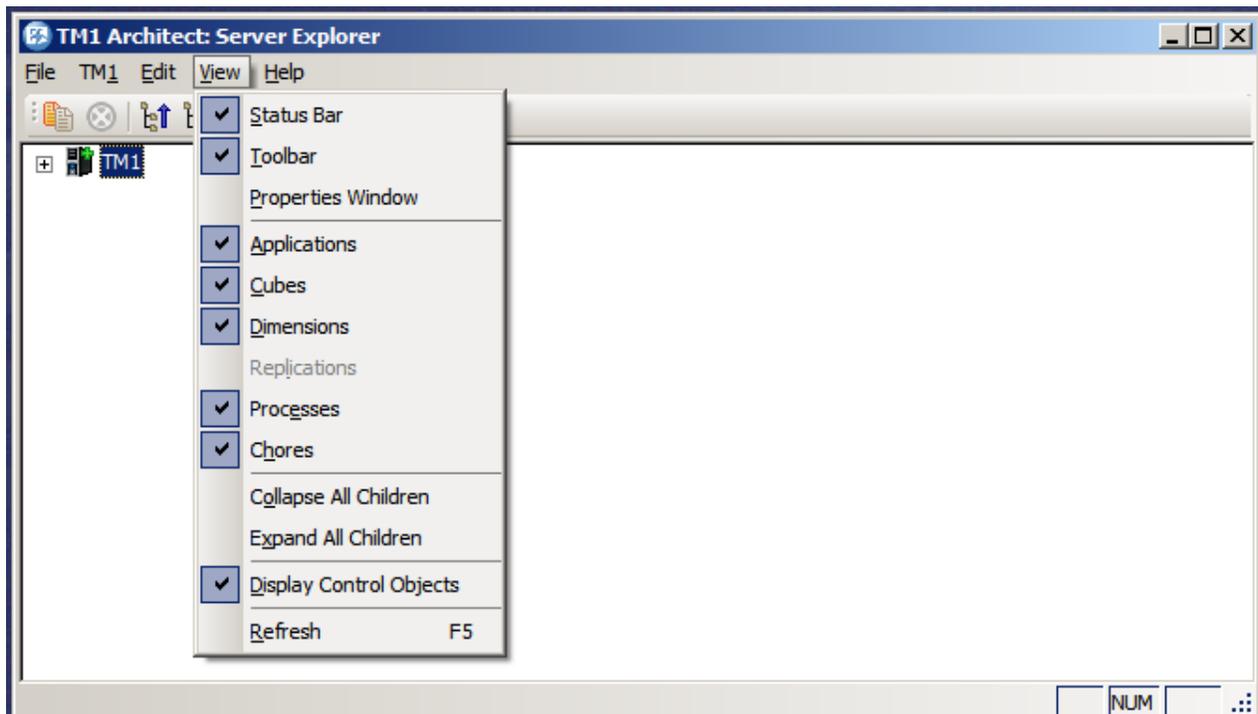
Once the newly created IBM Cognos TM1 Server instance is up and running, Architect and/or IBM Cognos TM1Web can be used to navigate through the content.

3.3 Setting Up the Contributor Application

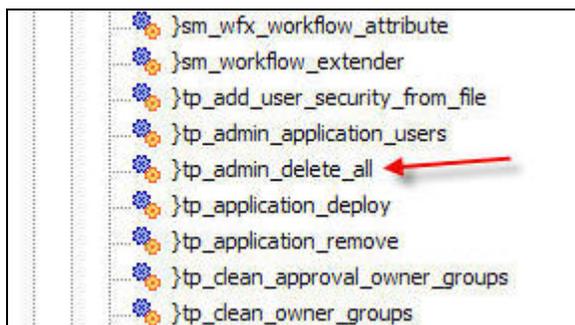
3.3.1 Open TM1 Architect

3.3.2 Double click the **Integrated Financials** application and **Login** as User: **admin**

3.3.3 Click on the Menu Item – View and validate Display Control Objects is checked

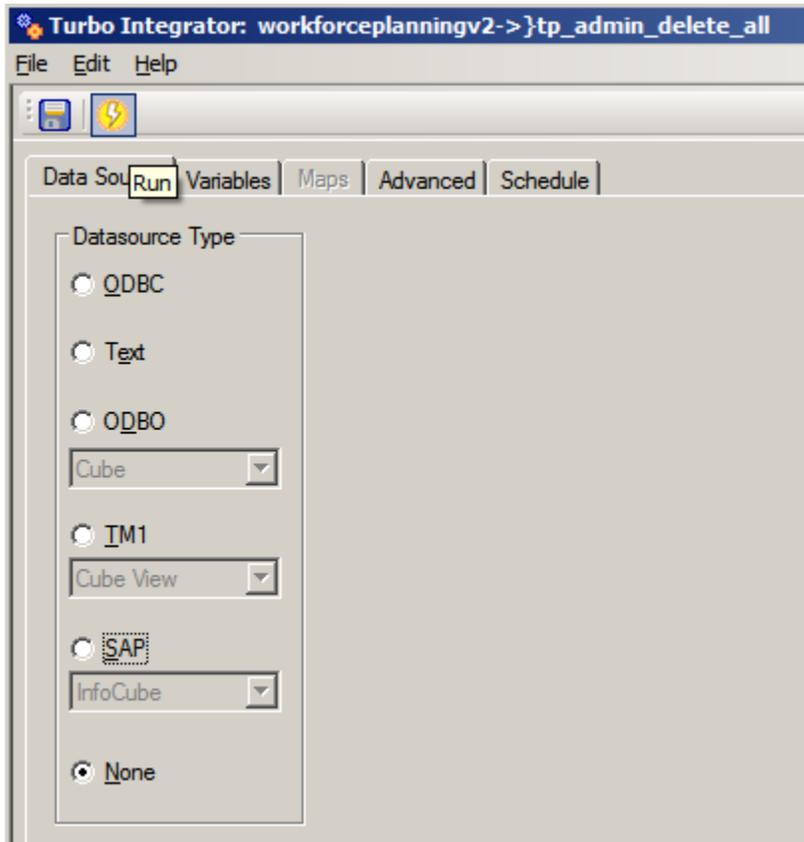


3.3.4 Expand Processes node and double click }tp_admin_delete_all





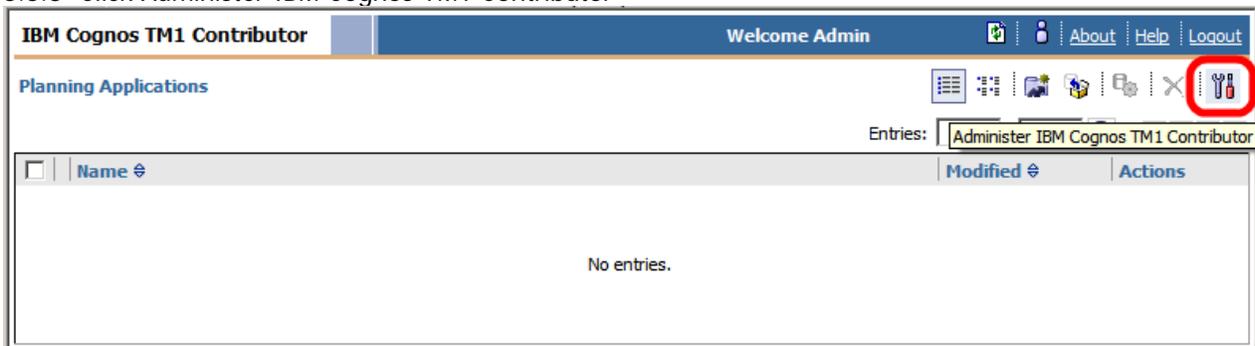
3.3.5 Click **run** and **OK**



3.3.6 Copy the "Integrated Financials.zip" file from the Contributor folder into
'<YourIBMCognosTM1 Blueprint Folder>\IntegratedFinancials\'

3.3.7 Launch your TM1 Contributor environment, for example, http://yourTM1_Server:8085/pmpsvc/ and Login as User: admin

3.3.8 Click Administer IBM Cognos TM1 Contributor



3.3.9 Click **Add...** under the Server Names: section

3.3.10 Enter your TM1 Admin Host and click the Refresh icon

3.3.11 For the Server Name: select Integrated Financials and OK



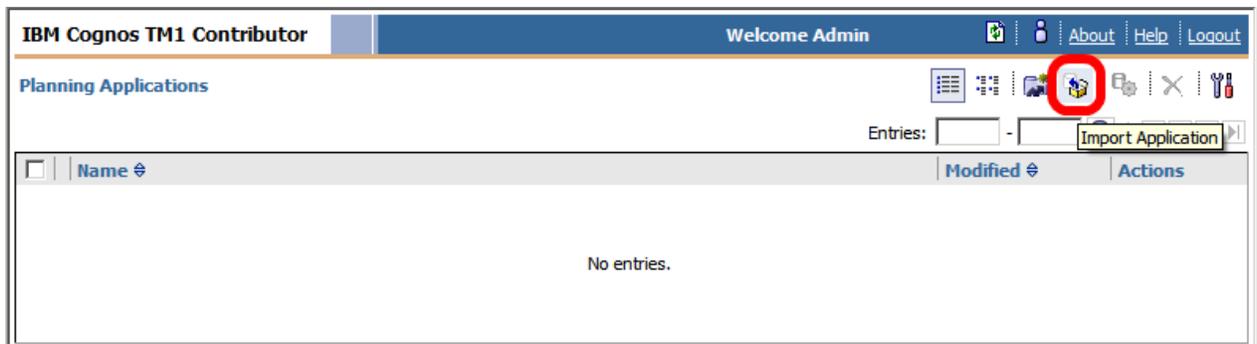
Add Server [Close]

Admin Host:
Your_TM1_Server_Name

Server Name:
blueprint_name [v] [Import]

[OK] [Cancel]

- 3.3.12 Click OK
- 3.3.13 Click OK
- 3.3.14 Click the Import Application icon



- 3.3.15 Choose *yourTM1ServerName:integratedfinancials* for the TM1 Server
- 3.3.16 Browse to '<YourIBMCognosTM1 Blueprint Folder>\IntegratedFinancials\' and select the "Integrated Financials.zip"
- 3.3.17 Uncheck Import application security and Click Import



Application Import

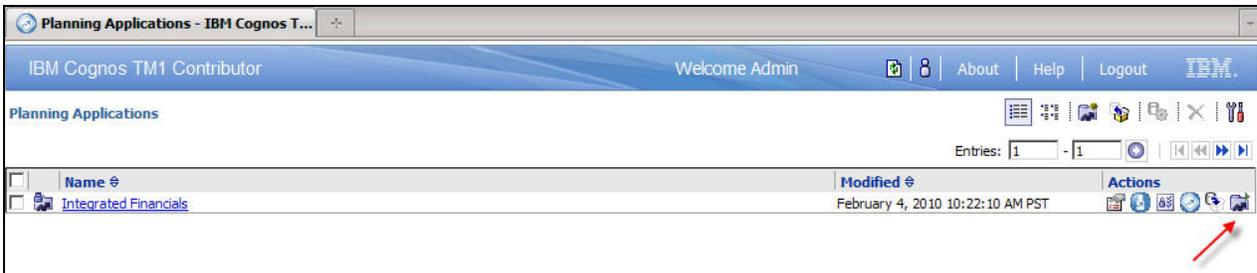
Specify your import file and import settings.

TM1 Server:

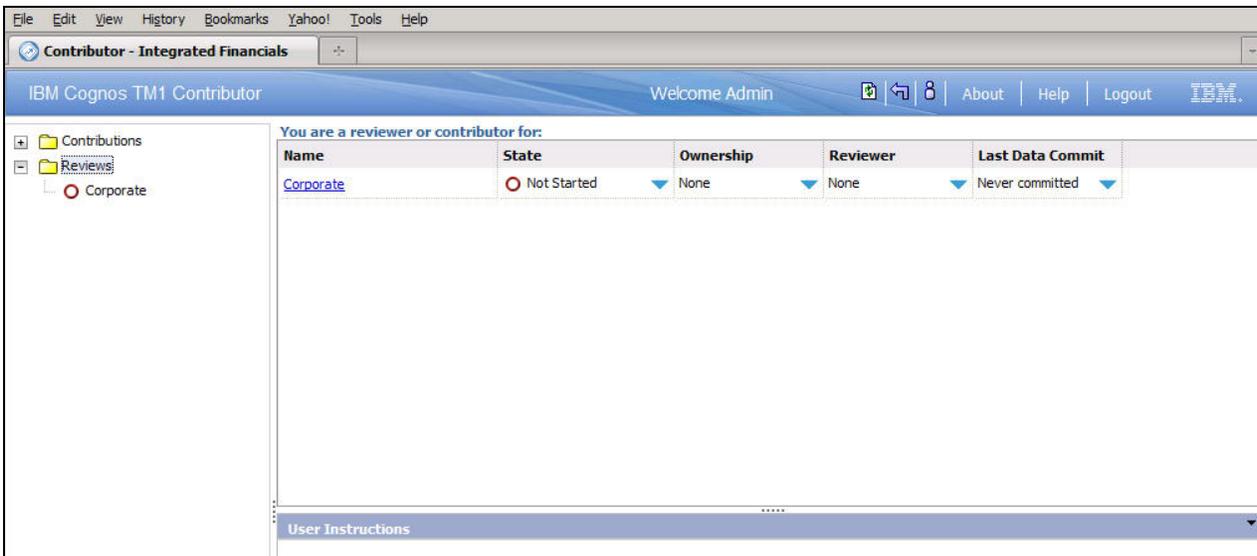
Application file:

Import application security
 Import application properties

3.3.18 Click the Activate Application icon



3.3.19 Click the Integrated Financials link to test, if installed correctly it should resemble the following



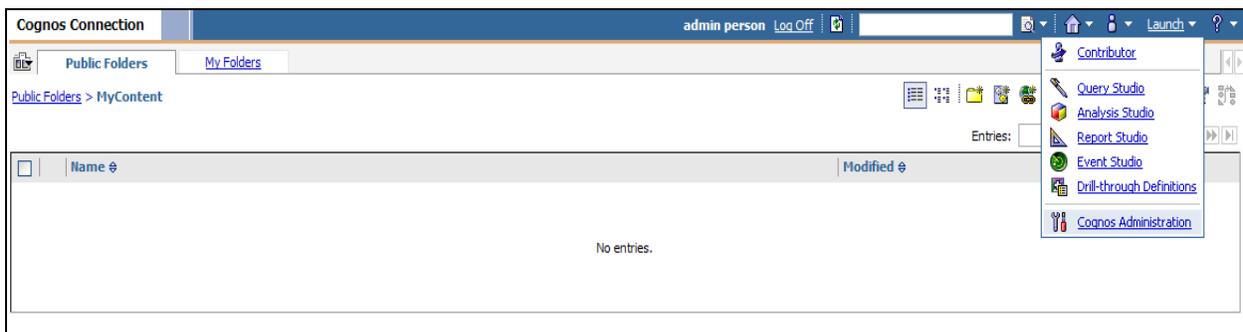


IBM Cognos 8 BI Content

The following steps will navigate through the steps required to configure the objects needed for the IBM Cognos BI content to work properly.

4.1 Create the BI data source

1. Open a browser window and go to **IBM Cognos Connection**. If Authentication is setup, login with a directory **Administrator** user
2. Click on to **Launch** and select **IBM Cognos Administration**



3. Click on the **Configuration** tab; make sure 'Data Source Connections' is selected



4. Click the Data Sources tab then **click the New Data Source Icon** 



5. Name the Data Source exactly as: **“Integrated Financial Statements Blueprint”** then click **Next >**





6. Select the 'TM1' option; then click **Next** >

Specify the connection - New Data Source wizard

Specify the parameters for the connection of this new data source. The name of the data source is used to set the name of the connection.

Type:

IBM Cognos Finance

- IBM Cognos Finance
- IBM Cognos Now! Cube
- IBM Cognos Planning - Contributor
- IBM Cognos Planning - Series 7
- IBM Cognos PowerCube
- IBM InfoSphere Warehouse cubing services (XMLA)
- Composite (ODBC)
- IBM Cognos Virtual View Manager (ODBC)
- DB2
- Hyperion Essbase/IBM DB2 OLAP Server
- Informix
- Microsoft SQL Server (ODBC)
- Microsoft SQL Server (OLE DB)
- Microsoft SQL Server (SQL 2005 Native Client)
- Microsoft Analysis Services (via ODBO)
- Microsoft Analysis Services 2005
- ODBC
- Oracle
- Progress OpenEdge
- Red Brick (ODBC)
- SAP BW
- Sybase Adaptive Server Enterprise (CT-Lib)
- Sybase Adaptive Server Enterprise (CT-15)
- Teradata (ODBC)
- TM1**
- XML
- Other type



7. Fill out the parameters for the TM1 connection then click [Test the connection...](#)

Specify the TM1 connection string - New Data Source wizard

Edit the parameters to build a TM1 connection string.

Administration Host:

Server Name:

Signon

Select whether a user ID and password is required in the connection string and, if so, whether to create a signon.

User ID

Password

Create a signon that the Everyone group can use:

User ID:

Password:

Confirm password:

Testing

[Test the connection...](#)

8. Click **Test** to verify the connection is setup correctly

Test the connection - New Data Source wizard

Test the parameters that make up the database connection.

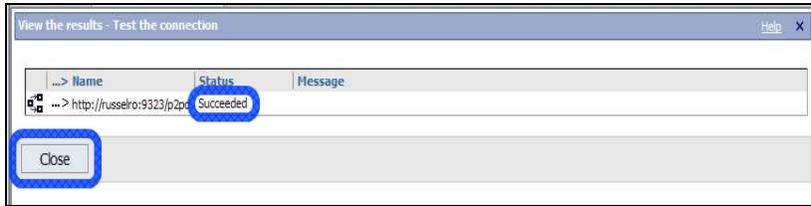
Connection string:
^User ID=?Password;LOCAL;OL;DBInfo_Type=MS;Provider=SQLEDB;User ID=%s;Password=%s;Data Source=xDatabaseServerName;Provider_String=Initial Catalog=xBluporn;PublishTableName=@COLSEQ=

Dispatcher:
http://usselro:9323/p2pd (Configuration)

Test the connection using:
User ID:

Password:

9. The following screen should indicate **Succeeded** below the Status then click **Close**



10. Click **Close** again





11. Click **Finish** to add the new data source.

Edit the parameters to build a TM1 connection string.

Administration Host:

Server Name:

Signon

Select whether a user ID and password is required in the connection string and, if so, whether to create a signon.

User ID
 Password
 Create a signon that the Everyone group can use:

User ID:

Password:

Confirm password:

Testing

[Test the connection...](#)

Cancel < Back Next > **Finish**

4.2 Import BI Deployment Package

1. Run the Import Wizard to bring in the BI Content into the IBM Cognos Connection portal.
2. From the screen in the previous step, select Content Administration.

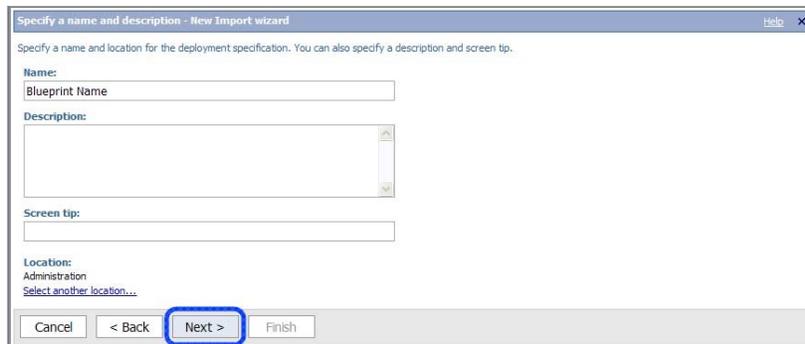


3. Click the New Import icon 

4. Select the import package named 'Integrated_Financial_Statements_Blueprint_BI_Deployment' then click **Next >**



5. Verify the Name is 'Integrated_Financial_Statements_Blueprint_BI_Deployment' then click **Next >**





- Specify the options and **DO NOT** check 'Disable after import' then click **Next >**

The screenshot shows a dialog box titled "Select the public folders content - New Import wizard". It contains a table with columns for "Name", "Target name", "Disable after import", "In target content", and "Modified". The first row is "Blueprint Name", which is selected with a checkmark in the first column. The "Disable after import" checkbox for this row is unchecked. A blue arrow points from this checkbox to a red box containing the text "Leave Unchecked". Below the table are "Options" for including report output versions, run history, and schedules, each with "Conflict resolution" options. At the bottom, there are buttons for "Cancel", "< Back", "Next >", and "Finish". The "Next >" button is highlighted with a blue box.

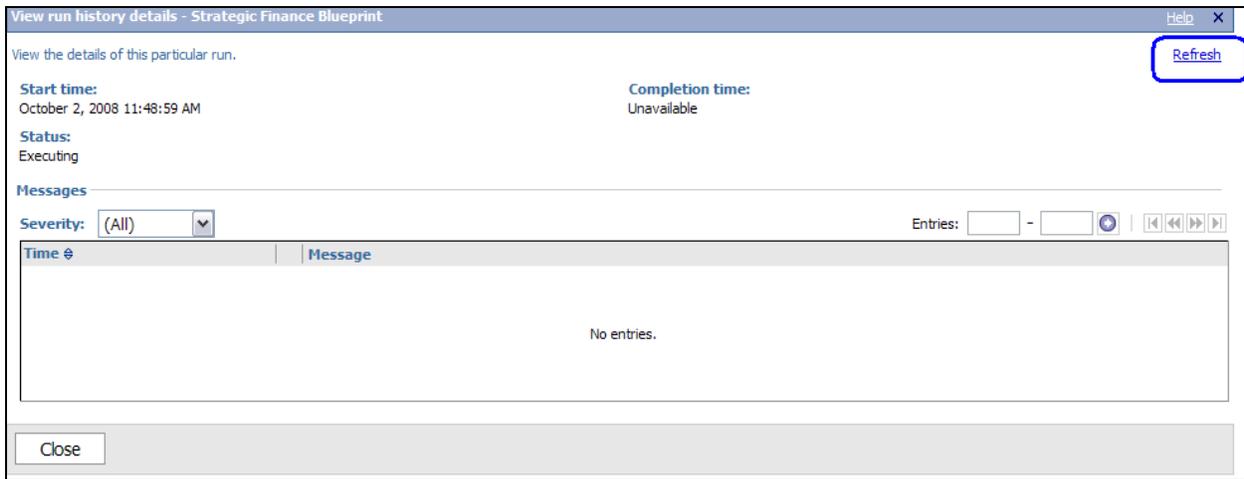
- Specify the general options, select 'The user performing the import' and 'New entries only' then click **Next >**

The screenshot shows a dialog box titled "Specify the general options - New Import wizard". It contains sections for "Access permissions", "External namespaces", and "Entry ownership". Under "Entry ownership", the radio button "The user performing the import" is selected. Under "Apply to:", the radio button "New entries only" is selected. At the bottom, there are buttons for "Cancel", "< Back", "Next >", and "Finish". The "Next >" button is highlighted with a blue box.

- Review the summary options selected then click **Next >**



12. Initial view of the import deployment record will be blank. Press the 'Refresh' hyperlink.



13. If the deployment import has not finished click 'Refresh' again until it shows a completion time, then click **Close**.



Cognos Administration admin person Log On

Status Security Configuration

Data Source Connections
Content Administration
Distribution Lists and Cor
Printers
Styles
Portlets
Dispatchers and Services

View an import deployment record - Blueprint Name - Import Help X

View the details of this particular run.

Start time:
December 8, 2008 12:57:54 PM

Completion time:
December 8, 2008 12:57:55 PM

Status:
Succeeded

Messages

Entries: 1 - 1

| Message | Name |
|--|--------|
| CM-REQ-2300 Import is complete. 1 object(s) were imported. 0 object(s) failed. | ...> / |

Deployment archive

Name:
Blueprint Name

Public folders content

| ...> Name | Target name | Disable after import |
|---------------------|---------------------|----------------------|
| ...> Blueprint Name | ...> Blueprint Name | |

Options:

Include report output versions
Replace existing entries

Include run history
Replace existing entries

Do not include schedules

Directory content

Do not include Cognos groups and roles
Do not include distribution lists and contacts
Do not include data sources and connections

General Options

Do not include access permissions
Do not include references to external namespaces
Set the owner to the user performing the import

Close

4.3 Testing IBM Cognos Dashboard Content

After the Import is performed a new folder will appear named '**Integrated Financial Statements Blueprint**' in the IBM Cognos Connection portal. The content of this folder will display as:

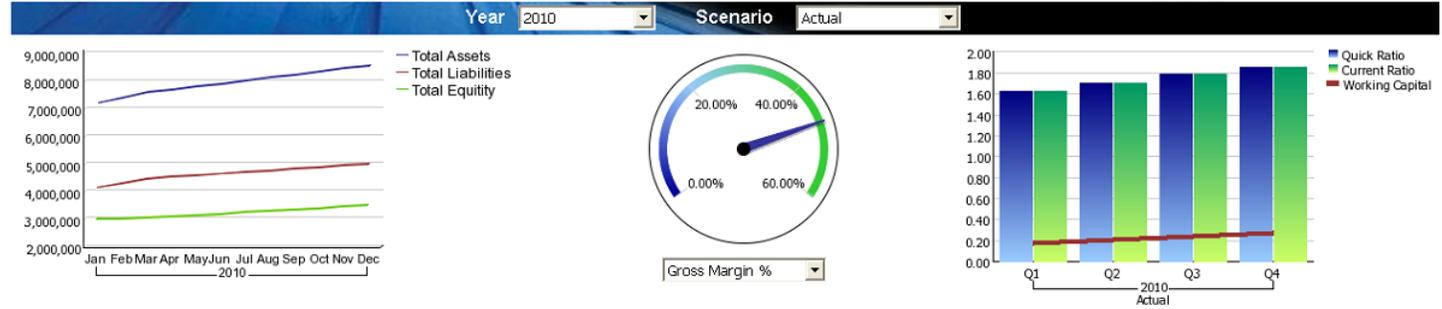
Public Folders My Folders

Public Folders > **Integrated Financial Statements Blueprint**

Entries: 1 - 2

| | Name | Modified | Actions |
|--------------------------|--------------------------|-----------------------------|-------------------------|
| <input type="checkbox"/> | Packages | January 29, 2010 4:43:42 PM | More... |
| <input type="checkbox"/> | Reports | January 25, 2010 3:30:03 PM | More... |

To test the content, from the **Reports** folder, launch the '**Integrated Financial Statements Dashboard**' at the top of the list. The following screen should appear:



| | Current Forecast | Previous Forecast | Variance | | Current Forecast | Budget | Variance | |
|-------------------|------------------|-------------------|----------|---|------------------|---------|----------|---|
| Profit Margin | 7.36% | 7.42% | (0.05%) | 🚫 | 7.36% | 7.42% | (0.05%) | 🚫 |
| Return on Equity | 9.27% | 9.32% | (0.04%) | 🚫 | 9.27% | 9.32% | (0.04%) | 🚫 |
| Return on Assets | 4.33% | 3.72% | 0.60% | ✅ | 4.33% | 3.72% | 0.60% | ✅ |
| Net Income Growth | 0.00% | 0.00% | 0.00% | 🚫 | 0.00% | -55.96% | 55.96% | ✅ |
| Revenue Growth | 0.00% | 0.00% | 0.00% | 🚫 | 0.00% | 3.88% | (3.88%) | 🚫 |
| Gross Margin % | 43.23% | 43.32% | (0.09%) | 🚫 | 43.23% | 43.32% | (0.09%) | 🚫 |



Testing can then be performed on each of the reports listed in the Reports folder.