



**COST TRANSPARENCY BLUEPRINT  
COST TRANSPARENCY SETUP GUIDE  
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 Cost Transparency 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.

The Cost Transparency Blueprint demonstrates how an organization can gain visibility into their cost drivers and effectiveness with financial transparency. The Blueprint consists of cost models, pre-defined drivers, business transaction costing, chargeback models and invoicing, an activity based costing data model, data extraction and transformation and user configurable reports that support ad hoc functionality, including dashboards and Web-based planning processes.

### Blueprint Contents:

- 1. Cost Transparency Blueprint Content.zip**  
This is the entire file structure for the BI deployment, Framework Manager Model, TM1 model and graphics with a categorized folder structure to house the extracted files.
- 2. Cost Transparency TM1 Application.zip**  
This file contains the TM1 Workforce Planning Application files. The TM1 Application will must be configured to point at your existing TM1 9.5 Environment.
- 3. Cost Transparency BI Deployment.zip**  
This is the BI Deployment file consisting of reports and portal pages specific to this Blueprint.
- 4. Cost Transparency Blueprint Setup Guide.pdf**  
Description of the necessary files and steps needed to setup both environments for the Planning and BI portions of the Blueprint.
- 5. Cost Transparency Images.zip**  
Images required when rendering dashboards and reports (for this blueprint there are no images).
- 6. Cost Transparency.zip**  
This file is the Contributor Deployment file which will be imported through the TM1 Administration user interface.
- 7. Cost Transparency.lnk**  
This is a shortcut which can be modified to launch the Blueprint TM1 Application.



## Making Content Files Available for Each Application

### 2.1 Unzipping the 'Cost Transparency Blueprint Content'

Unzipping the '**Workforce Planning Blueprint Content**' file will create the following directories:

Name ▲	Size	Type	Date Modified
Deployment File - Reports		File Folder	12/22/2009 1:08 AM
Documentation		File Folder	12/22/2009 12:26 AM
Framework Manager Model		File Folder	12/22/2009 12:44 AM
Graphics, Files, etc		File Folder	12/22/2009 12:26 AM
TM1 Application		File Folder	12/22/2009 12:48 AM
TM1 Application Shortcut and Deployment		File Folder	12/22/2009 12:49 AM

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

### 2.2 Copying the Necessary Files

1. Copy the "**Cost Transparency 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 from the '**Graphics, Files, etc**' folder to the **<IBM Cognos 8 install location>/webcontent/samples/images** folder.  
(For the Cost Transparency Blueprint there are no images)

*Note:* For multi-server installation the images would need to be copied over the Gateway servers. Verify with the BI Administrator the architecture of the BI environment before copying the files

3. Copy the contents of the 'TM1 Application' folder and both files located in the TM1 Application Shortcut and Deployment folder to a directory of your choice, for example purposes we will use **C:\Cognos Innovation Center\Blueprints\Cost Transparency Blueprint**



## IBM Cognos TM1 Content

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.

#### 3.1.1 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=16699
INSTALL_ID=13108
PRODUCT=TM1Server8
.....
```

Copy the **tm1s.lic** file to 'C:\Cognos Innovation Center\Blueprints\Cost Transparency Blueprint' to create a new server instance.

#### 3.1.2 Modify the Tm1s.cfg server configuration file

From the 'C:\Cognos Innovation Center\Blueprints\Cost Transparency Blueprint' 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:

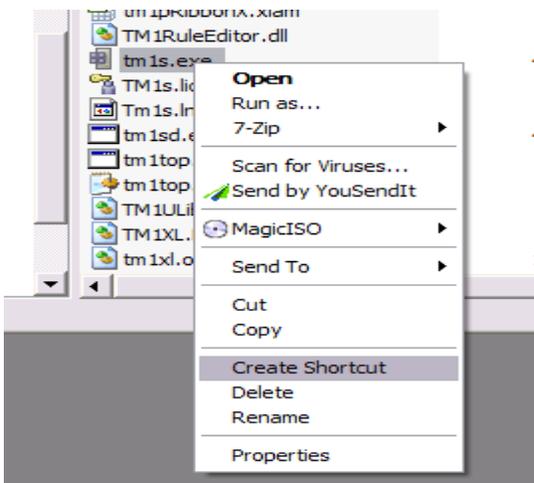
```
[TM1S]
ServerLogging=F
SecurityPackageName=Kerberos
IntegratedSecurityMode=1
UseSSL=T
ServerName=Financial Analytics
DataBaseDirectory=E:\tm1models\costtransparency
AdminHost=localhost
PortNumber=11111
ClientMessagePortNumber=12346
Language=ENG
SaveTime=
DownTime=
ProgressMessage=True
AuditLogOn=F
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.

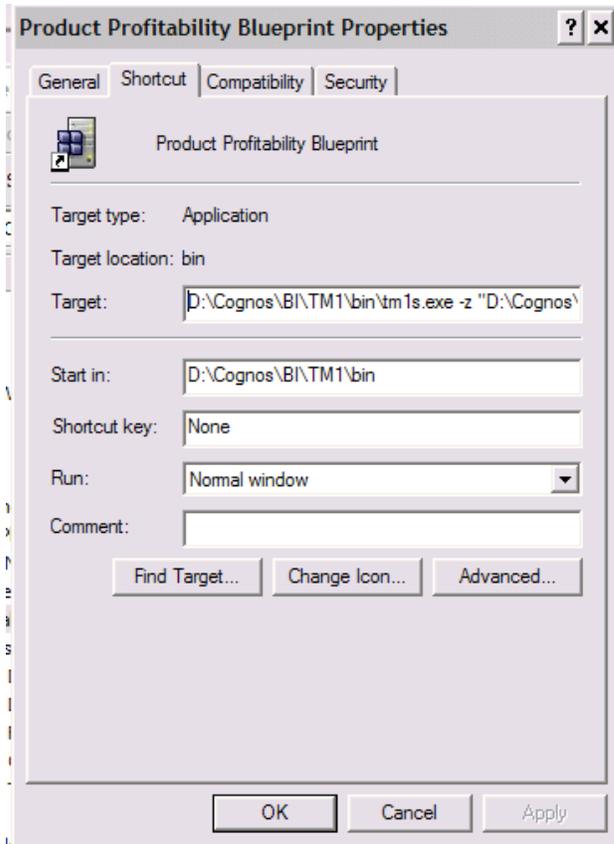
### 3.1.3 Modify/Create the Server Shortcut

Navigate to '<YourIBMCognosTM1\_DirectoryInstall>/bin' folder; **create a shortcut** to tm1s.exe.





1. **Copy the shortcut** created to '**C:\Cognos Innovation Center\Blueprints\Cost Transparency Blueprint**'
2. **Rename the shortcut** to be "Workforce Planning Blueprint"
3. **Edit the Shortcut Properties**



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

**<YourIBMCognosTM1InstallFolder>\bin\tm1s.exe -z 'C:\Cognos Innovation Center\Blueprints\Cost Transparency Blueprint'**

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.

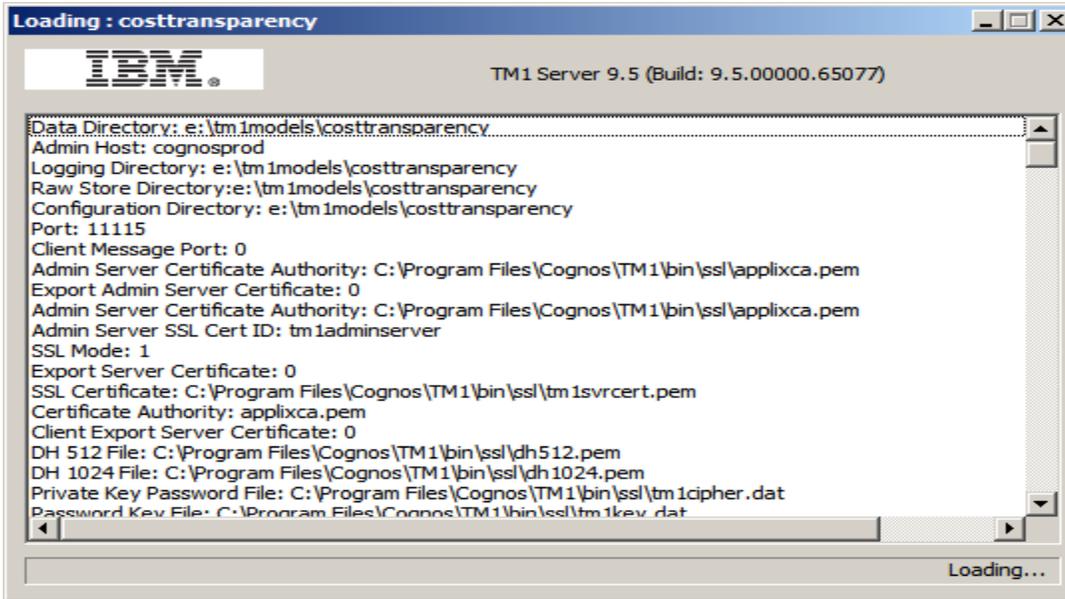
An example of the Cost Transparency shortcut has been included in the TM1 Application Shortcut and Deployment Folder

### 3.2 Testing the new IBM Cognos TM1 Server instance

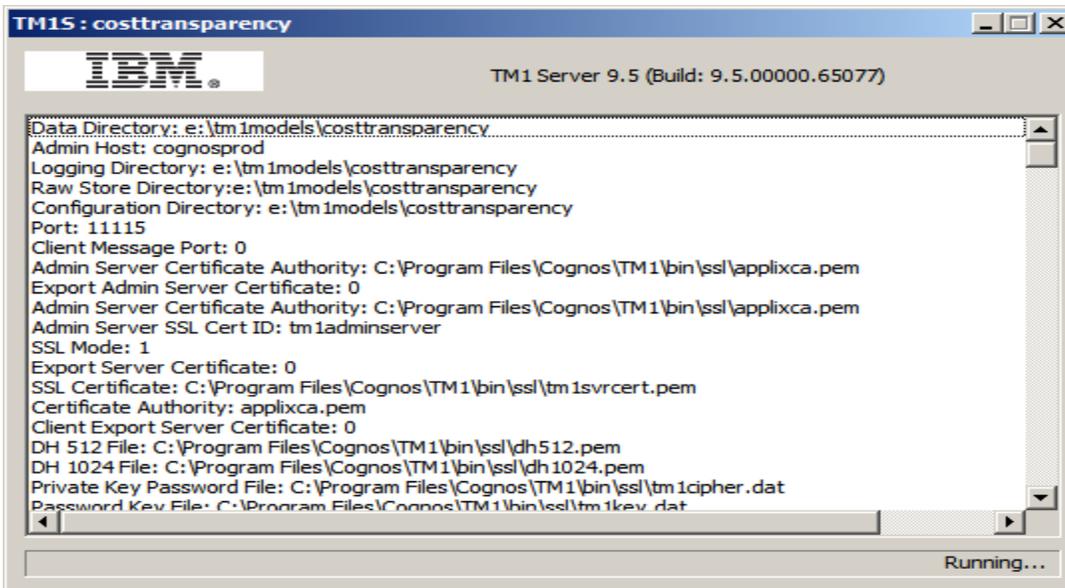
From the '**C:\Cognos Innovation Center\Blueprints\Cost Transparency Blueprint**' folder, double click the 'Cost Transparency' shortcut.



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, Contributor and/or IBM Cognos TM1Web can be used to navigate through the content.

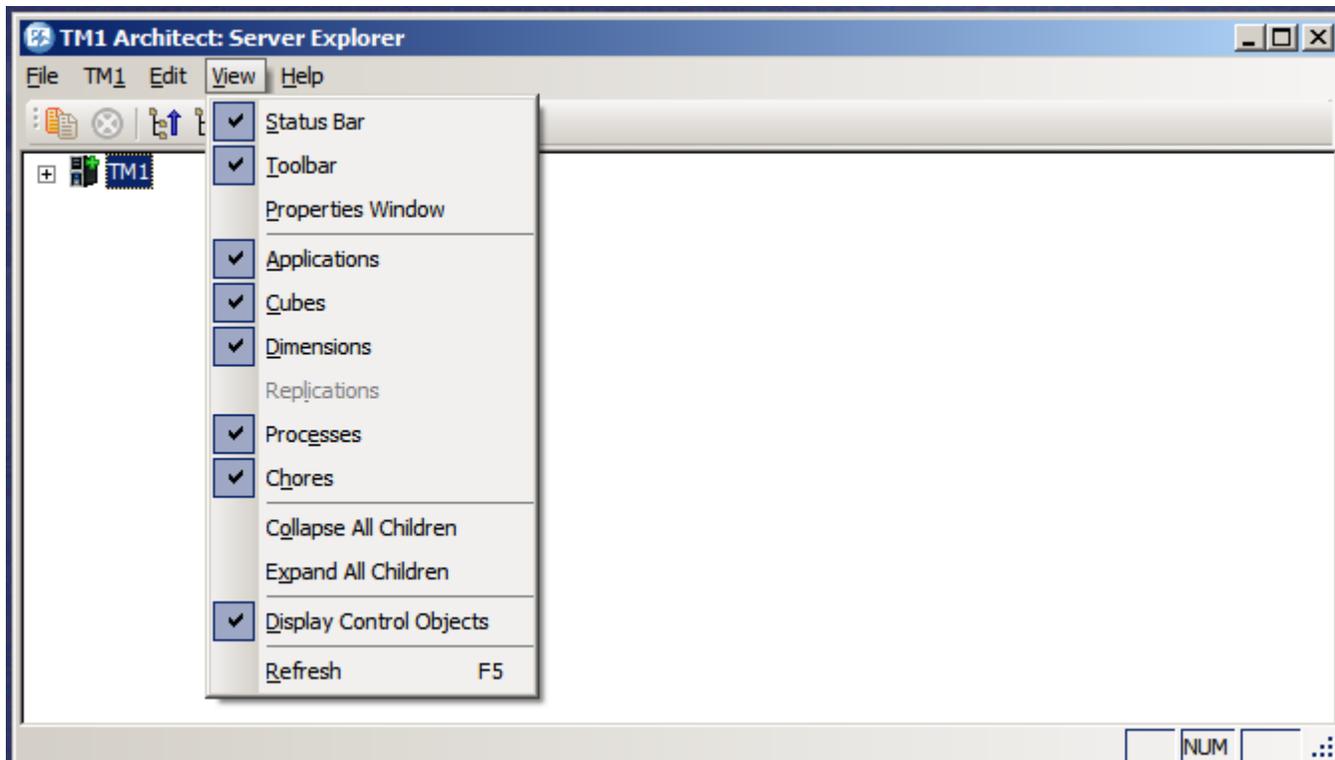


### 3.3 Setting Up the Contributor Application

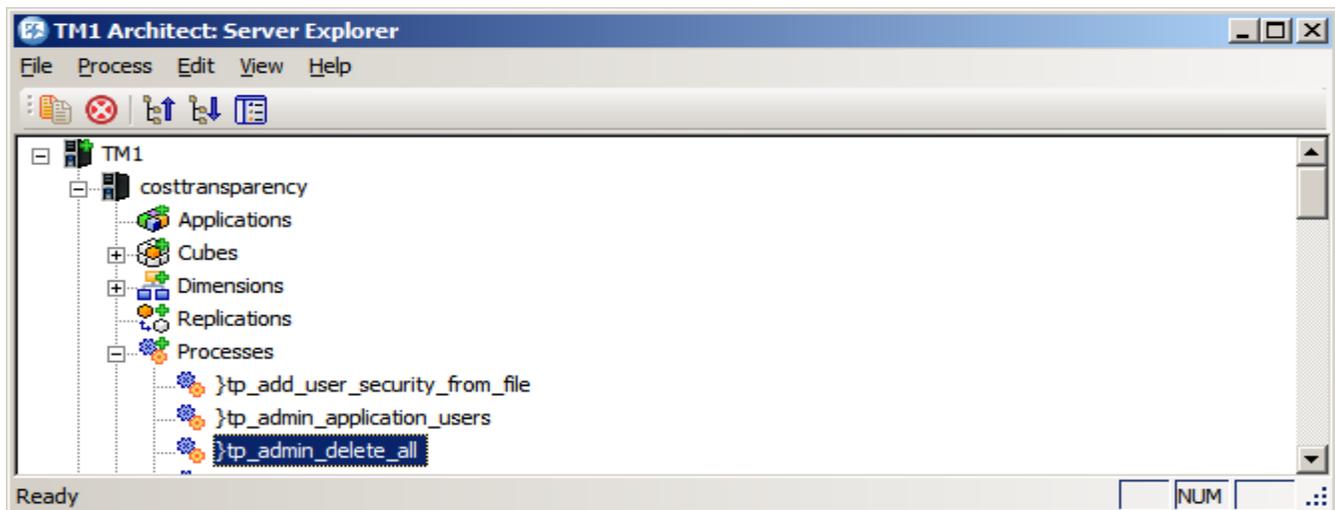
3.3.1 Open TM1 Architect

3.3.2 Double click the **costtransparency** application and **Login** as User: **admin** and Password: **apple**

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

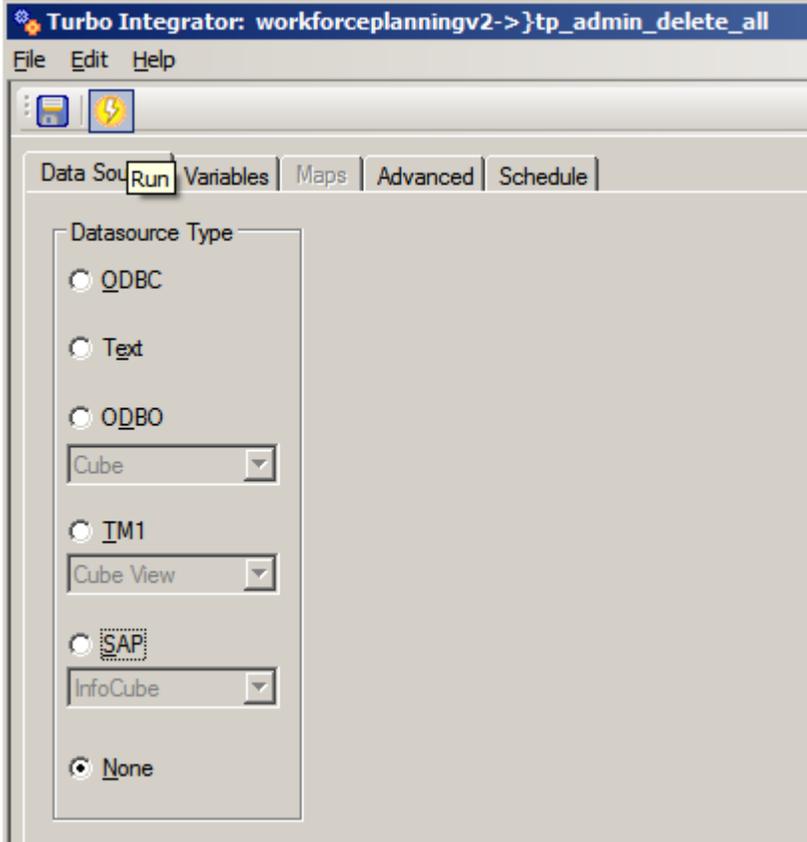


3.3.4 Expand **Processes** node and double click **}tp\_admin\_delete\_all**





**3.3.5** Click **run**

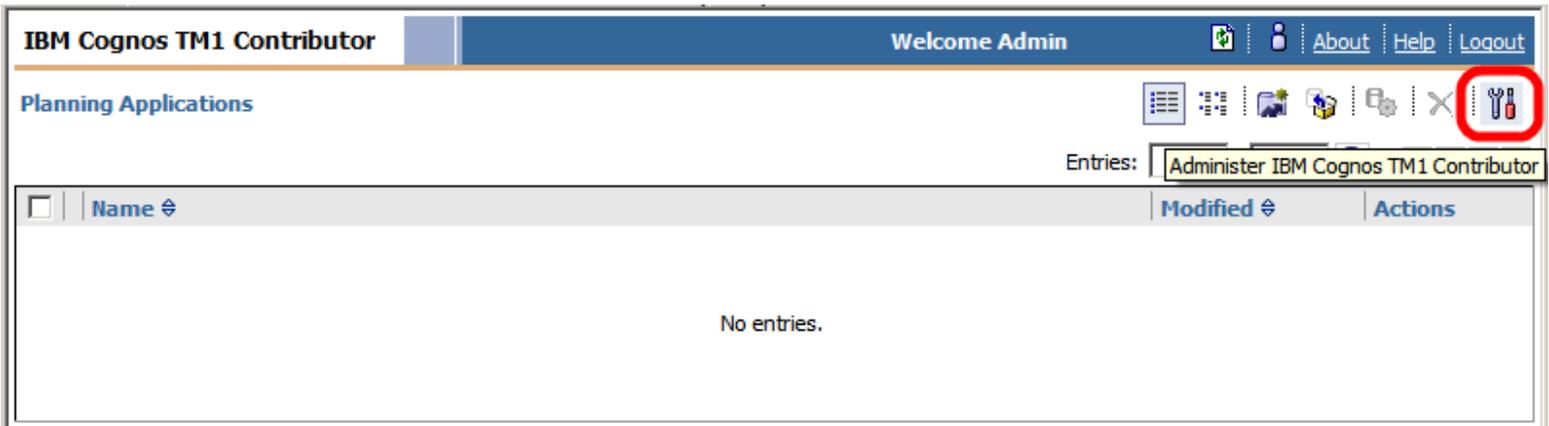


**3.3.6** Copy the "Cost Transparency.zip" file into

**C:\Cognos Innovation Center\Blueprints\Cost Transparency Blueprint**

**3.3.7** **Launch** your TM1 Contributor environment, for example, [http://yourTM1\\_Server/pmpsvc/](http://yourTM1_Server/pmpsvc/) and **Login** as User: **admin** and Password: **apple**

**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 **workforceplanningv2** and **OK**

The "Add Server" dialog box has a title bar with a close button. It contains two main sections: "Admin Host:" with a text input field containing "Your\_TM1\_Server\_Name", and "Server Name:" with a dropdown menu showing "blueprint\_name" and a refresh icon. At the bottom right, there are "OK" and "Cancel" buttons.

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

The screenshot shows the IBM Cognos TM1 Contributor web interface. The top navigation bar includes "Welcome Admin" and links for "About", "Help", and "Logout". Below this is a "Planning Applications" section with a toolbar containing several icons, one of which is circled in red. Below the toolbar is an "Entries:" field with a range selector and an "Import Application" button. A table below has columns for "Name", "Modified", and "Actions", and currently displays "No entries."

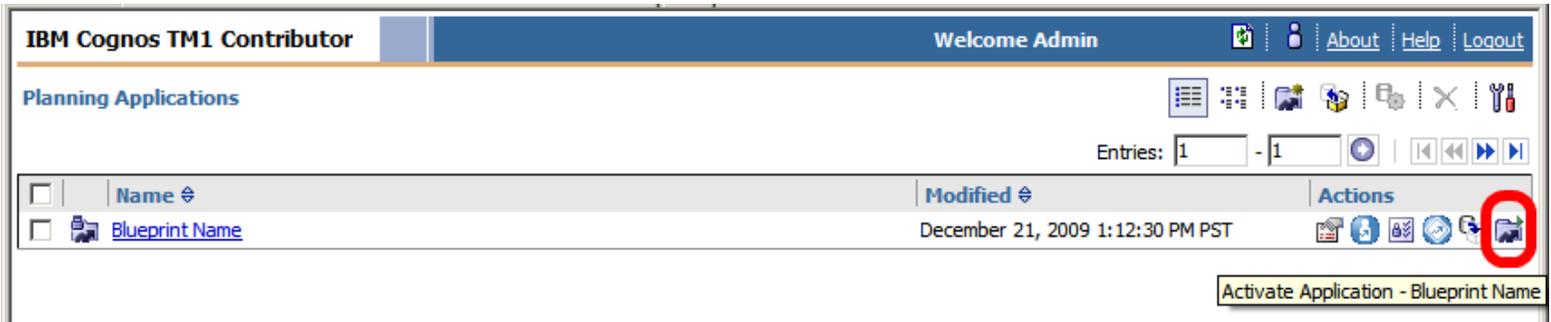
- 3.3.15 Choose ***yourTM1ServerName:workforceplanningV2*** for the TM1 Server
- 3.3.16 Browse to **C:\Cognos Innovation Center\Blueprints\Cost Transparency Blueprint** and select the "**Cost Transparency.zip**"



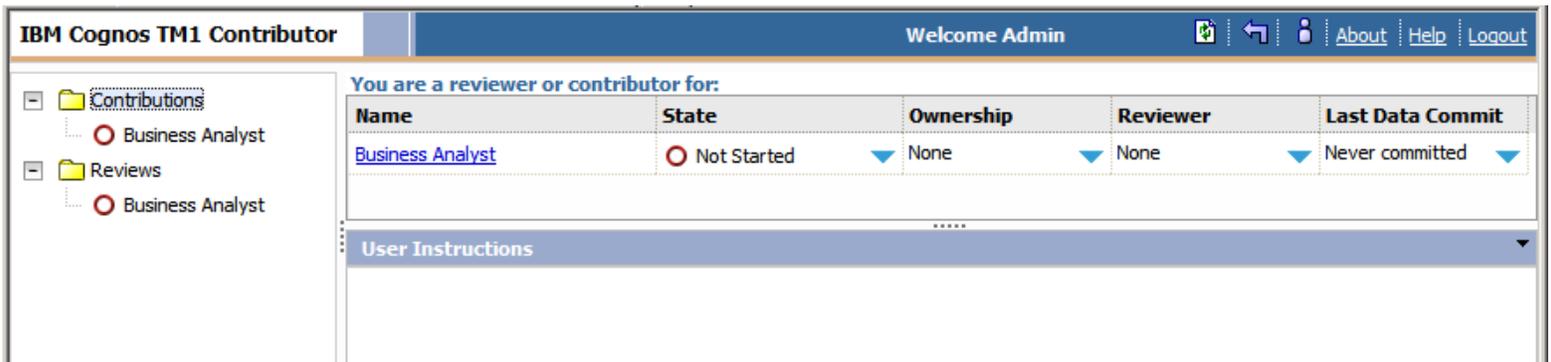
**3.3.17 Uncheck Import application security and Click Import**



**3.3.18 Click the Activate Application icon**



**3.3.19 Click the Cost Transparency link to test, if installed correctly it should resemble the following**



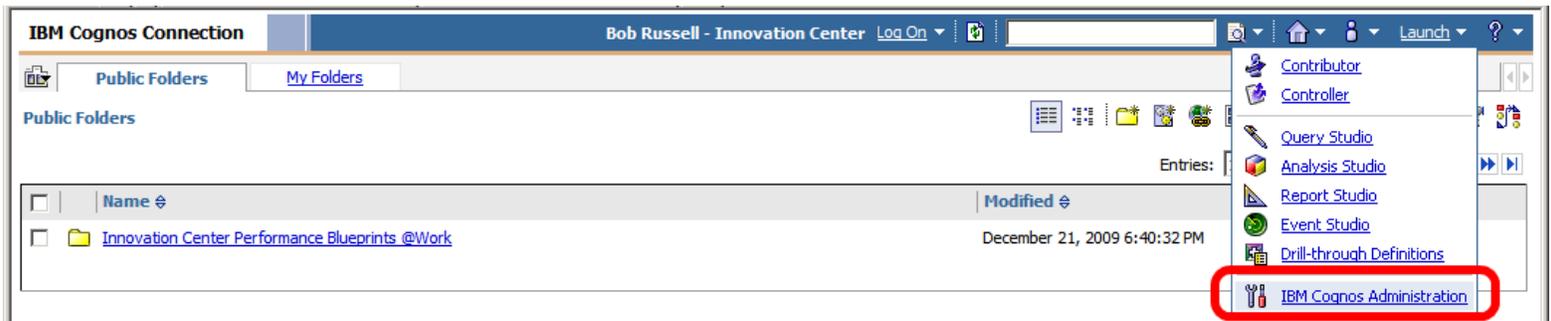


## IBM Cognos 8 BI Content

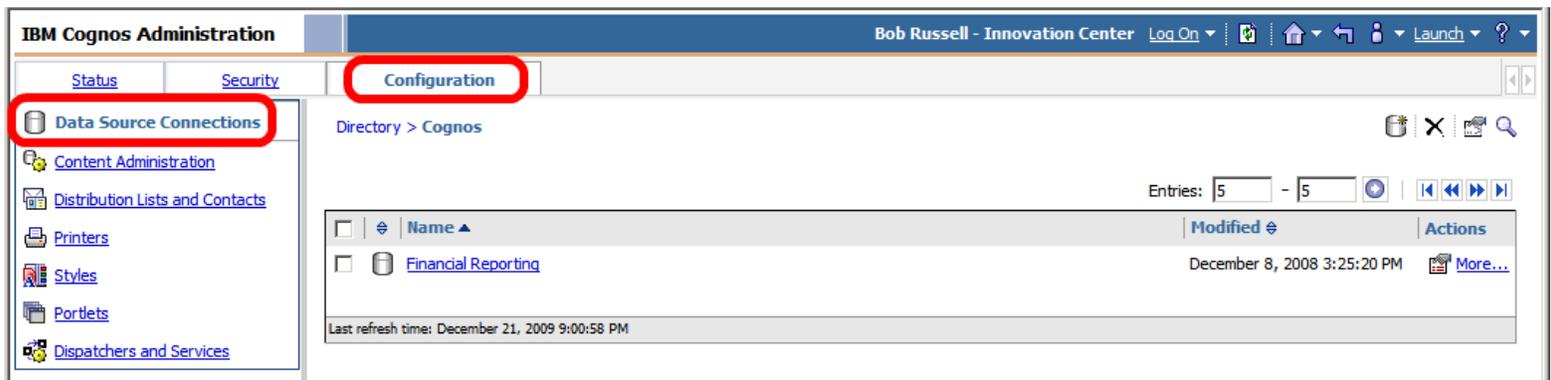
The following steps will navigate through the steps required to configure the objects needed for the IBM Cognos BI content to work properly.

### 4.1 Create the BI data source

- 4.1.1 Open a browser window and go to your **IBM Cognos Connection** homepage. If Authentication is setup, login with a directory **Administrator** user
- 4.1.2 Click **Launch** and select **IBM Cognos Administration**



- 4.1.3 Click on the **Configuration** tab; make sure 'Data Source Connections' is selected





4.1.4 Click the New Data Source icon 

IBM Cognos Administration | Bob Russell - Innovation Center | Log On | Home | Launch

Status | Security | Configuration

Directory > Cognos

Entries: 5 - 5

Name	Modified	Actions
Financial Reporting	December 8, 2008 3:25:20 PM	More...

Last refresh time: December 21, 2009 6:46:28 PM

4.1.5 Name the Data Source exactly as: "Cost Transparency TM1 BI" then click Next >

IBM Cognos Administration | Bob Russell - Innovation Center | Log On | Home | Launch

Status | Security | Configuration

Specify a name and description - New Data Source wizard

Specify a name and location for this entry. You can also specify a description and screen tip.

Name: Blueprint Name Data Source

Description:

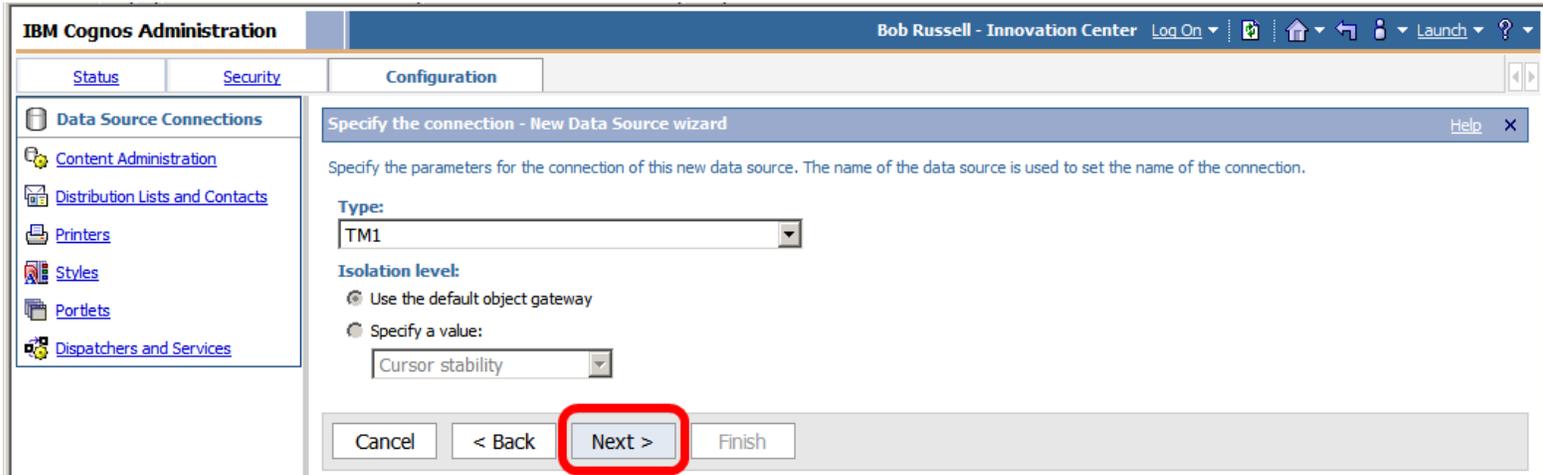
Screen tip:

Location: Directory > Cognos

Cancel | < Back | Next > | Finish



4.1.6 Select the 'TM1' option; then click **Next >**





4.1.7 Fill in the parameters for the TM1 connection then click [Test the connection...](#)

The screenshot shows the 'Specify the TM1 connection string - New Data Source wizard' in IBM Cognos Administration. The interface includes a left-hand navigation pane with 'Data Source Connections' selected. The main content area contains the following fields and options:

- Administration Host:** Text input field containing 'your TM1 Admin Host Server'.
- Server Name:** Text input field containing 'Blueprint Name (EXACTLY as it appears in TM1 Architect)'.
- Signon:** Section with radio buttons for 'No authentication', 'An external namespace:', and 'Signons'. The 'Signons' option is selected.
- Authentication:** Under 'Signons', there are checked boxes for 'Password' and 'Create a signon that the Everyone group can use:'. Below these are text input fields for 'User ID' (containing 'admin'), 'Password' (masked with dots), and 'Confirm password' (masked with dots).
- Testing:** A section with a button labeled 'Test the connection...' which is circled in red.
- Navigation:** Buttons for 'Cancel', '< Back', 'Next >', and 'Finish'.

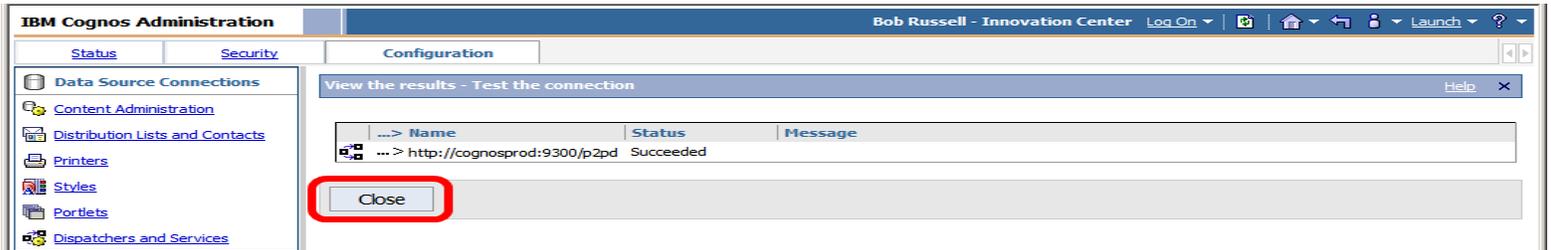
4.1.8 Click **Test** to verify the connection is setup correctly

The screenshot shows the 'Test the connection - New Data Source wizard' in IBM Cognos Administration. The interface includes the following elements:

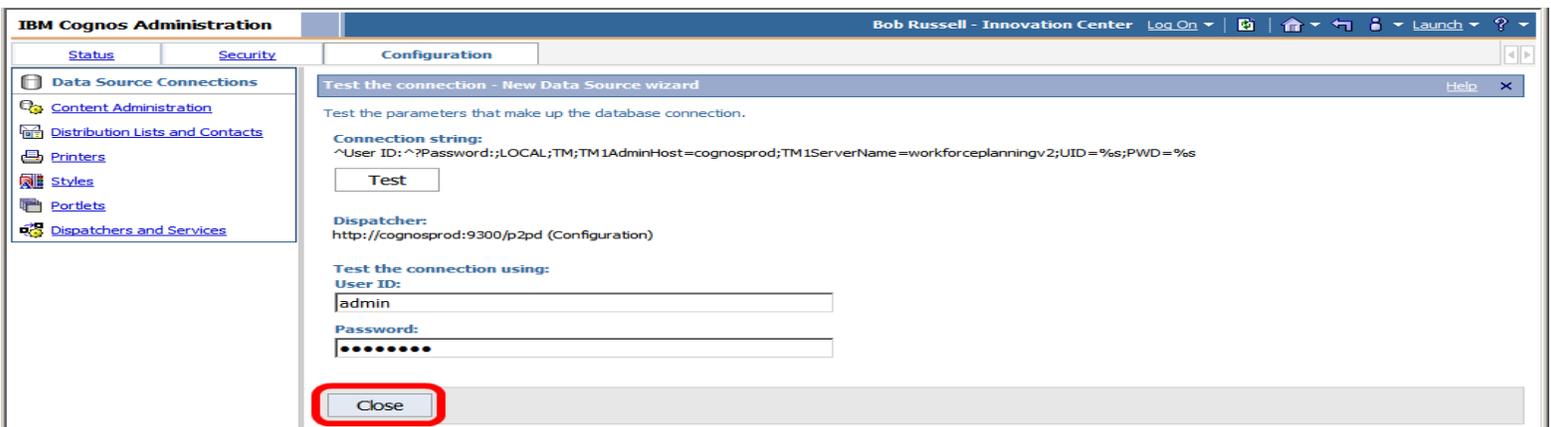
- Connection string:** A text area containing the string: '^User ID: ^?Password:;LOCAL;TM;TM1AdminHost=cognosprod;TM1ServerName=workforceplanningv2;UID=%s;PWD=%s'.
- Test Button:** A button labeled 'Test' which is circled in red.
- Dispatcher:** Text input field containing 'http://cognosprod:9300/p2pd (Configuration)'.
- Test the connection using:** Section with text input fields for 'User ID' (containing 'admin') and 'Password' (masked with dots).
- Close Button:** A button labeled 'Close' at the bottom.



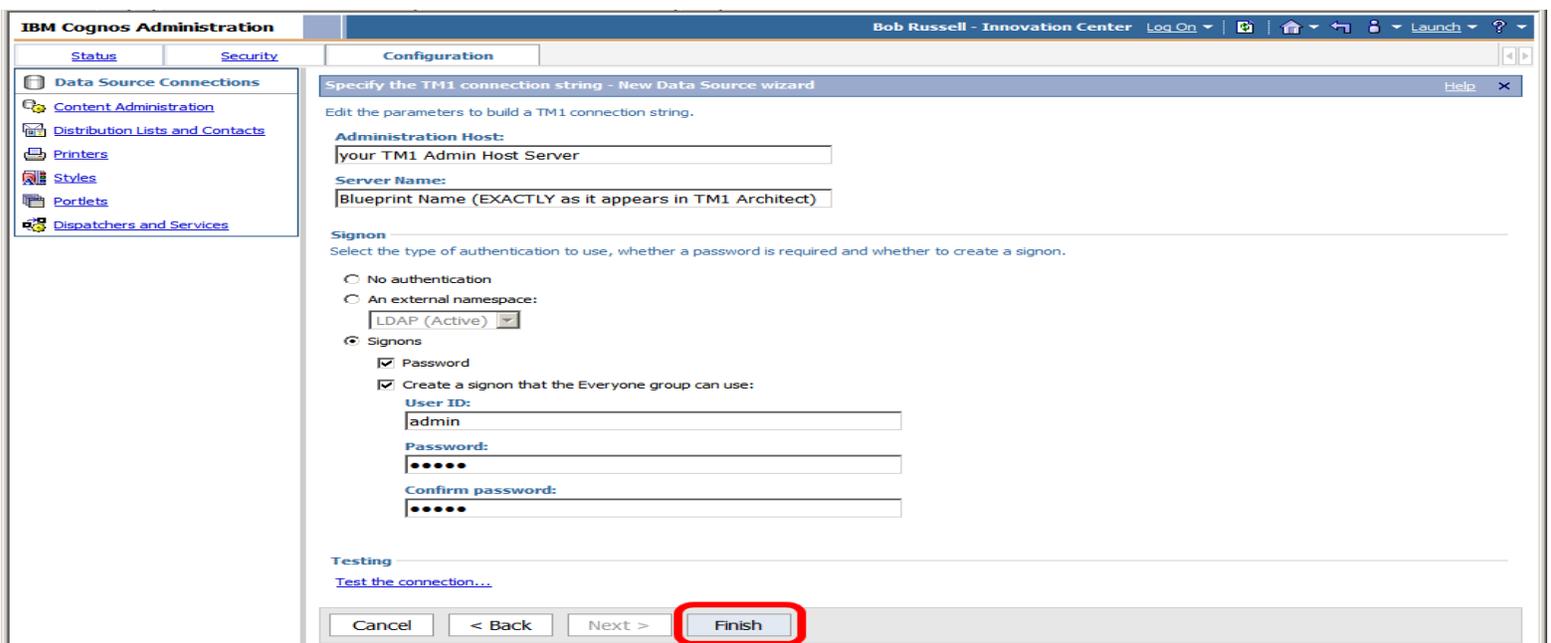
4.1.9 The following screen should indicate **Succeeded** below the Status then click **Close**



4.1.10 Click **Close** again



4.1.11 Click **Finish** to add the new data source

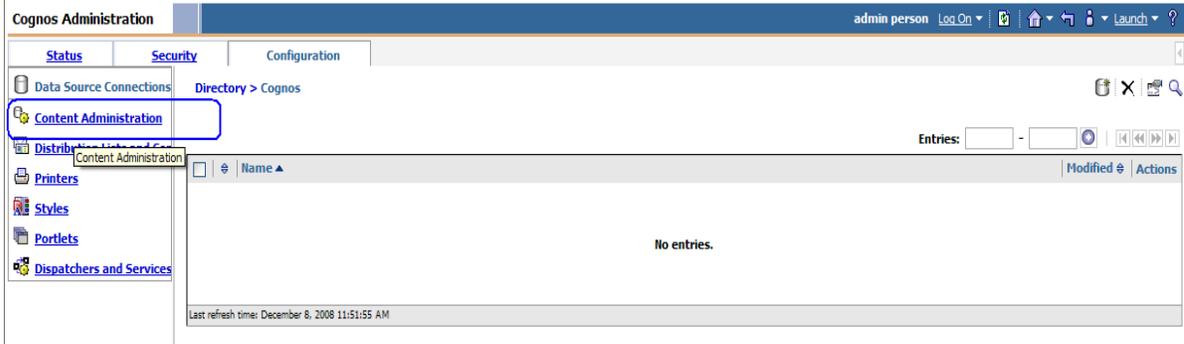




## 4.2 Import BI Deployment Package

4.2.1 Run the Import Wizard to bring in the BI Content into the IBM Cognos Connection portal

4.2.2 From the screen in the previous step, select **Content Administration**



4.2.3 Click the **New Import** icon 



4.2.4 Select the import package named '**Cost Transparency BI Deployment**' then click **Next >**





**4.2.5** Verify the Name is 'Cost Transparency BI Deployment' then click **Next >**

Specify a name and description - New Import wizard

Specify a name and location for the deployment specification. You can also specify a description and screen tip.

Name:  
Blueprint Name

Description:

Screen tip:

Location:  
Administration  
Select another location...

Cancel < Back **Next >** Finish

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

Select the public folders content - New Import wizard

Select one or more packages or folders and select the options to include in the import.

Public folders content

Change the target name of packages and folders if you do not want to overwrite them in the target with packages and folders from the deployment archive. Disable the packages and folders if you do not want users to access them in the target after the import.

<input checked="" type="checkbox"/>	Name	Target name	<input type="checkbox"/> Disable after import	In target content	Modified
<input checked="" type="checkbox"/>	Blueprint Name	Blueprint Name	<input type="checkbox"/>		

Options

include report output versions  
Conflict resolution:  
 Keep existing entries  
 Replace existing entries

include run history  
Conflict resolution:  
 Keep existing entries  
 Replace existing entries

include schedules  
Conflict resolution:  
 Keep existing entries  
 Replace existing entries

Cancel < Back **Next >** Finish

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

Specify the general options - New Import wizard

Specify the options applicable to all the entries in the import.

Access permissions

Include access permissions  
 Apply to new entries only  
 Apply to new and existing entries

External namespaces

Include references to external namespaces  
 Do not include references to external namespaces

Entry ownership

Set the owner to:  
 The owner from the source  
 The user performing the import

Apply to:  
 New entries only  
 New and existing entries

Cancel < Back **Next >** Finish



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

Review the summary - New Import wizard

The Import wizard is ready to import into the target environment.  
If you want to change any settings, click Back.  
If you are satisfied with the settings and want to select whether to run, schedule, or save only, click Next.

**Deployment specification**

Name: \_\_\_\_\_ Description: \_\_\_\_\_  
Blueprint Name

**Deployment archive**

Name: \_\_\_\_\_  
Blueprint Name

**Public folders content**

Name	Target name	Disable after import	In target content	Modified
<input checked="" type="checkbox"/> Blueprint Name	Blueprint Name			

**Options:**

Include report output versions  
 Replace existing entries  
 Include run history  
 Replace existing entries  
 Include schedules  
 Replace existing entries

**Directory content**

Cancel < Back **Next >** Finish

**4.2.9** Choose 'Save and run once' then click **Finish**

Select an action - New Import wizard

Select whether you want to run, schedule, or save only, when the wizard closes.

**Action:**

Save and run once  
 Save and schedule  
 Save only

Cancel < Back Next > **Finish**

**4.2.10** Specify the time to run the import select 'Now' and 'Keep the existing report specifications versions' then click **Run**

Run with options - Blueprint Name

Select when you want to run this import.

**Time:**

Now  
 Later:  
 May 22, 2008  
 2 : 48 PM

**Content:**

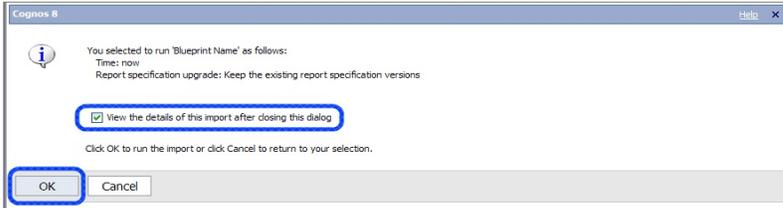
Content store  
 Directory  
 Cognos namespace  
 Public Folders  
 Blueprint Name

**Report specification upgrade**  
 You may want to keep existing report specification versions for compatibility with existing applications.  
 Upgrade all report specifications to the latest version  
 Keep the existing report specification versions

**Run** Cancel



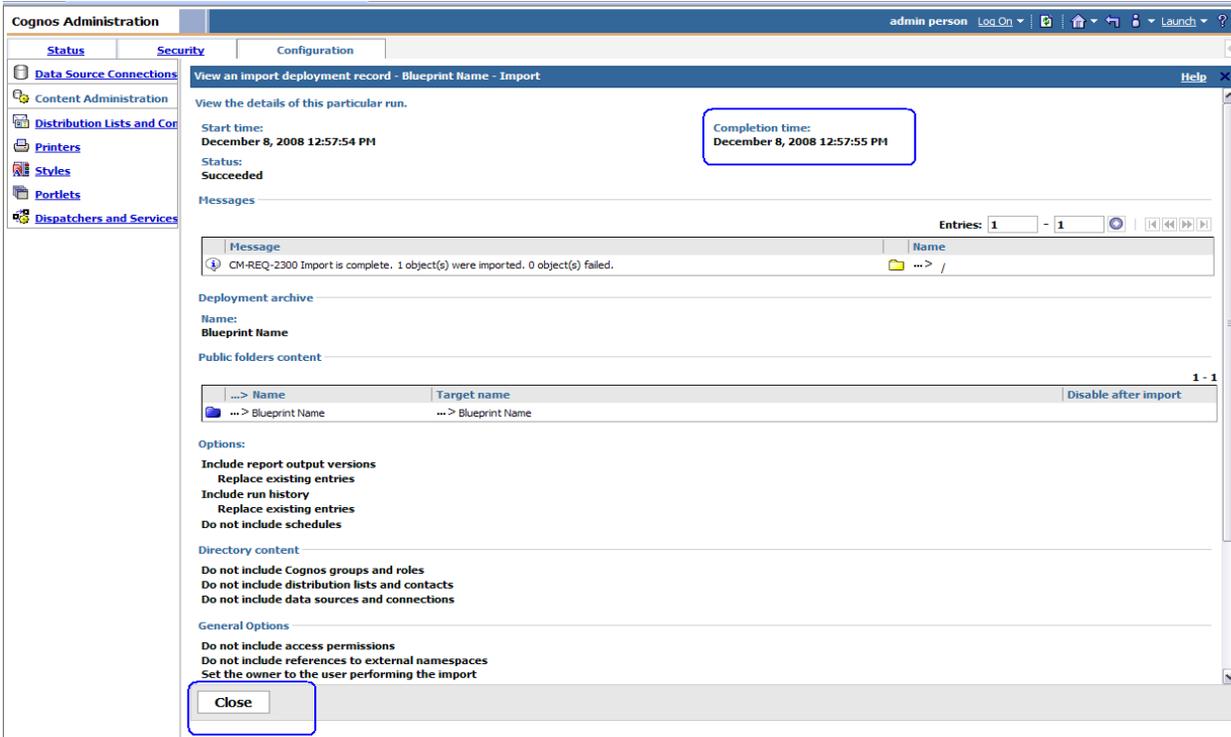
4.2.11 Check 'View the details of this import after closing this dialog' then click OK



4.2.12 Initial view of the import deployment record will be blank press the 'Refresh' hyperlink.



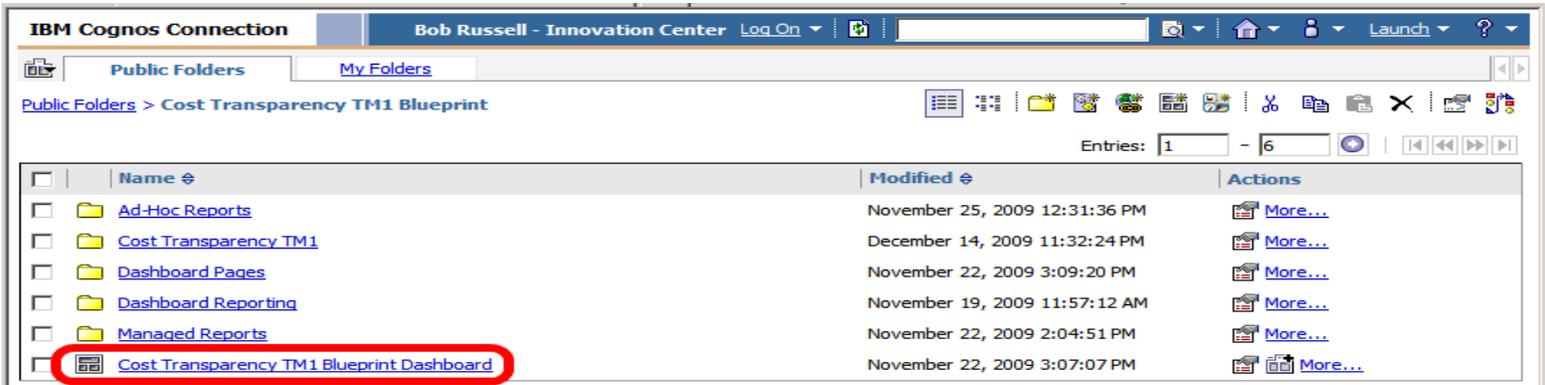
4.2.13 If the deployment import has not finished click on 'Refresh' again until it shows a completion time then click Close.



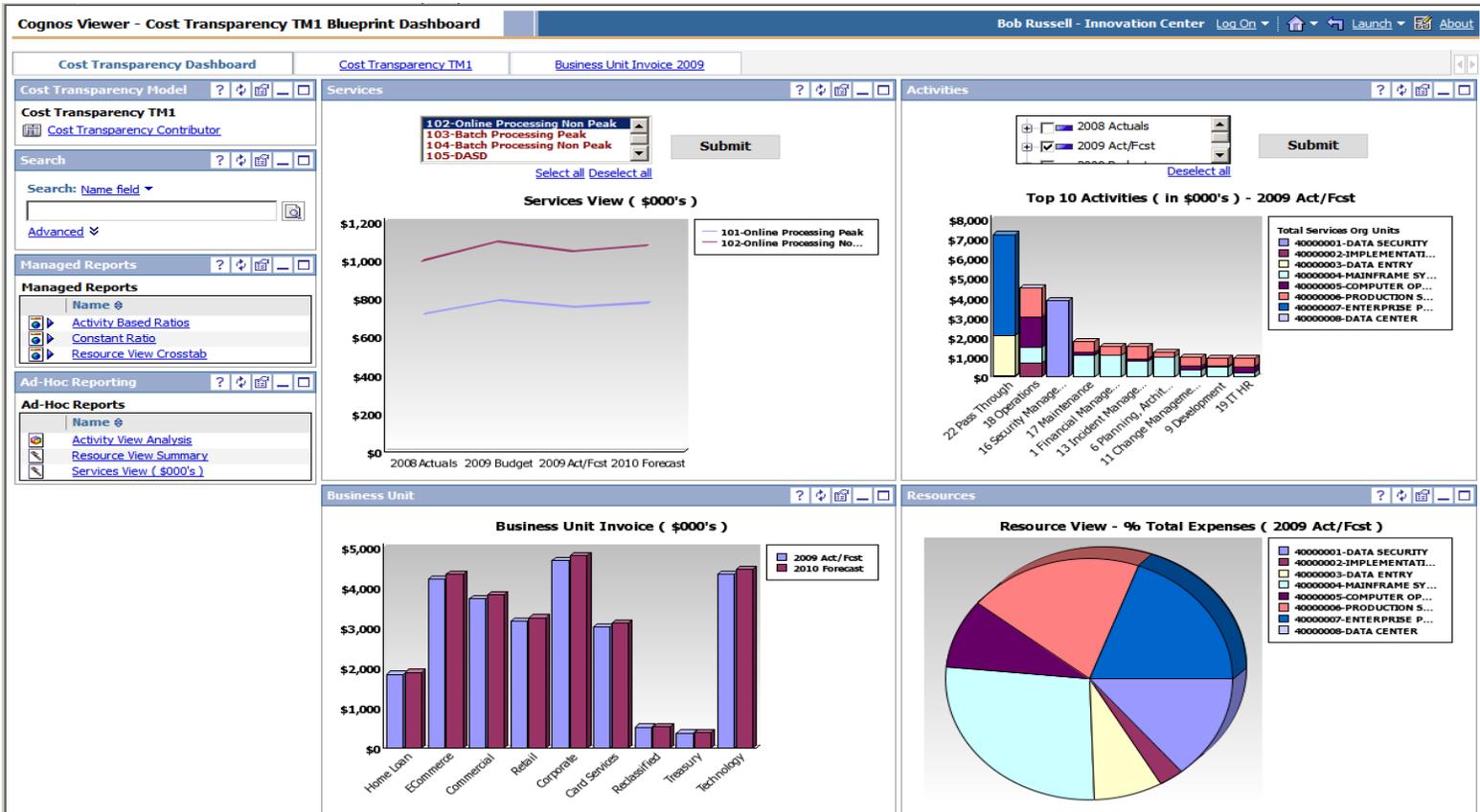


### 4.3 Testing IBM Cognos Dashboard Content

After the Import is performed a new folder will appear named 'Cost Transparency TM1 Blueprint' in the IBM Cognos Connection portal. The content of this folder will display as:



To test the content is coming up correctly, click the 'Cost Transparency TM1 Blueprint Dashboard' link as highlighted above:



Testing can then be performed on each of the dashboard pages to obtain the dashboards displaying your organization's data.