



**HEALTHCARE PROVIDER BLUEPRINT  
HEALTHCARE PROVIDER SETUP GUIDE  
A WEB-BASED PERFORMANCE MANAGEMENT SOLUTION**



## Table of Contents

---

<b>Blueprint Overview</b>	<b>3</b>
<b>Making Content Files Available for Each Application</b>	<b>4</b>
2.1 Unzipping the 'Healthcare Provider Blueprint Content'	4
2.2 Copying the Necessary Files	4
<b>IBM Cognos TM1 Content</b>	<b>5</b>
3.1 Configure a new IBM Cognos TM1 Server instance	5
3.1.1 Copy the tm1s.lic File	5
3.1.2 Modify the Tm1s.cfg server configuration file	5
3.1.3 Modify/Create the Server Shortcut	6
3.2 Testing the new IBM Cognos TM1 Server instance	7
3.3 Setting Up the Contributor Application	9
<b>IBM Cognos 8 BI Content</b>	<b>13</b>
4.1 Create the BI data source	13
4.2 Import BI Deployment Package	18
4.3 Testing IBM Cognos Dashboard Content	22

---



## Blueprint Overview

This document explains the content and provides installations steps for a web-based solution reporting for the Demand Planning 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.

### Prerequisites

1. Cognos BI 8.4 SP1 or later
2. TM1 9.5 or later

### Blueprint Contents:

3. **Healthcare Provider 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.
4. **Healthcare Provider TM1 Application.zip**  
This file contains the TM1 Healthcare Provider Application files. The TM1 Application must be configured to point at your existing TM1 9.5 Environment.
5. **Healthcare Provider BI Deployment.zip**  
This is the BI Deployment file consisting of reports and portal pages specific to this Blueprint.
6. **Healthcare Provider 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.
7. **Healthcare Provider Images.zip**  
Images required when rendering dashboards and reports.
8. **Healthcare Provider.zip**  
This file is the Contributor Deployment file which will be imported through the TM1 Administration user interface.
9. **Healthcare Provider.Ink**  
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 'Healthcare Provider Blueprint Content'

Unzipping the '**Healthcare Provider 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		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 "**Healthcare Provider 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 extracted 'Healthcare Provider Images.zip' contents from the '**Graphics, Files, etc**' folder to the **<IBM Cognos 8 install location>/webcontent/samples/images** folder.

*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 folder to a directory of your choice, for example purposes we will use  
**C:\Cognos Innovation Center\Blueprints\Healthcare Provider 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\Healthcare Provider Blueprint' to create a new server instance.

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

From the 'C:\Cognos Innovation Center\Blueprints\Healthcare Provider 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 provided will be similar to:

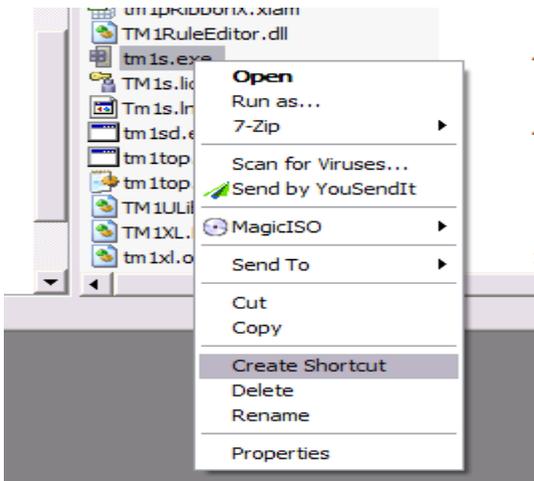
```
[TM1S]
ServerLogging=F
SecurityPackageName=Kerberos
IntegratedSecurityMode=1
UseSSL=T
ServerName=healthcareproviderbp
DataBaseDirectory=E:\tm1\models\HealthcareProvider
AdminHost=localhost
PortNumber=11111
ClientMessagePortNumber=12346
Language=ENG
SaveTime=
DownTime=
ProgressMessage=True
AuditLogOn=F
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.

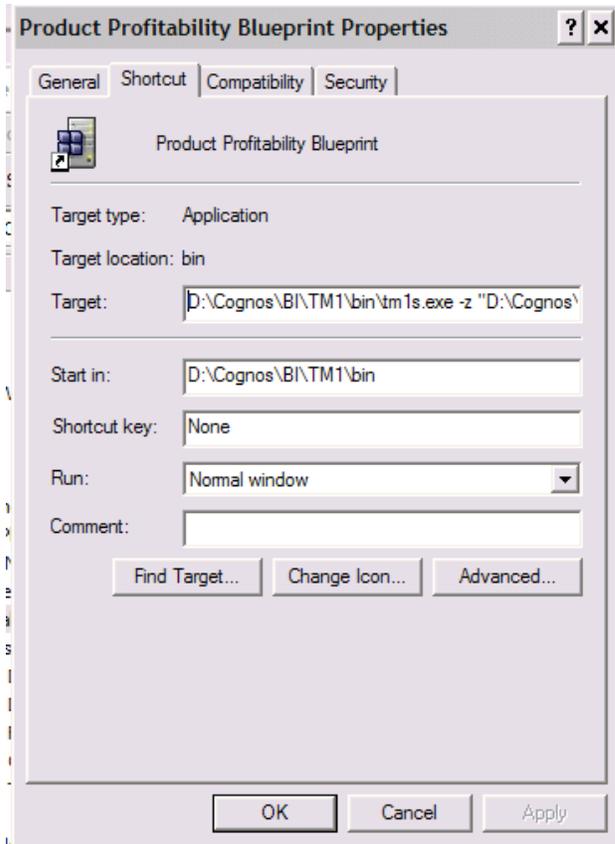
### 3.1.3 Modify/Create the Server Shortcut

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





1. **Copy the shortcut** created to '**C:\Cognos Innovation Center\Blueprints\Healthcare Provider Blueprint**'
2. **Rename the shortcut** to be "Healthcare Provider 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\Healthcare Provider 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.

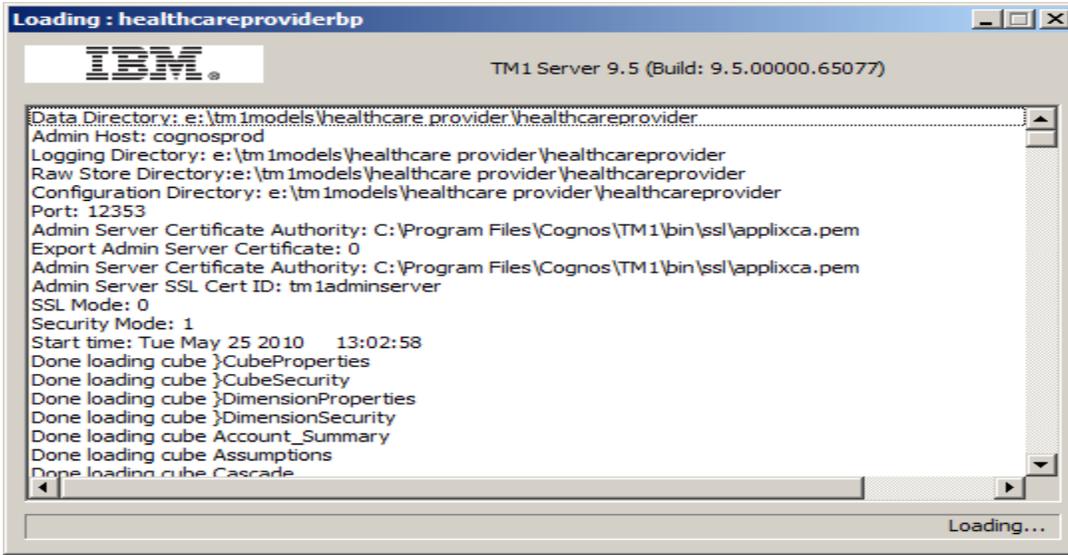
An example of the Cost Transparency shortcut has been included in the TM1 Application Shortcut and Deployment Folder

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

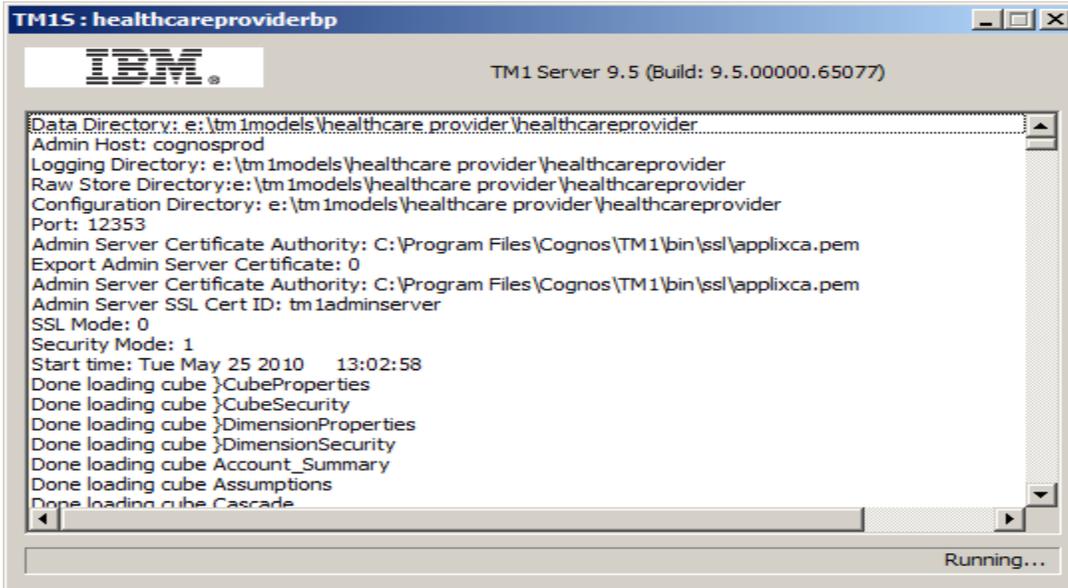
From the '**C:\Cognos Innovation Center\Blueprints\Healthcare Provider Blueprint**' folder, double click the 'Cost Transparency' shortcut.



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.

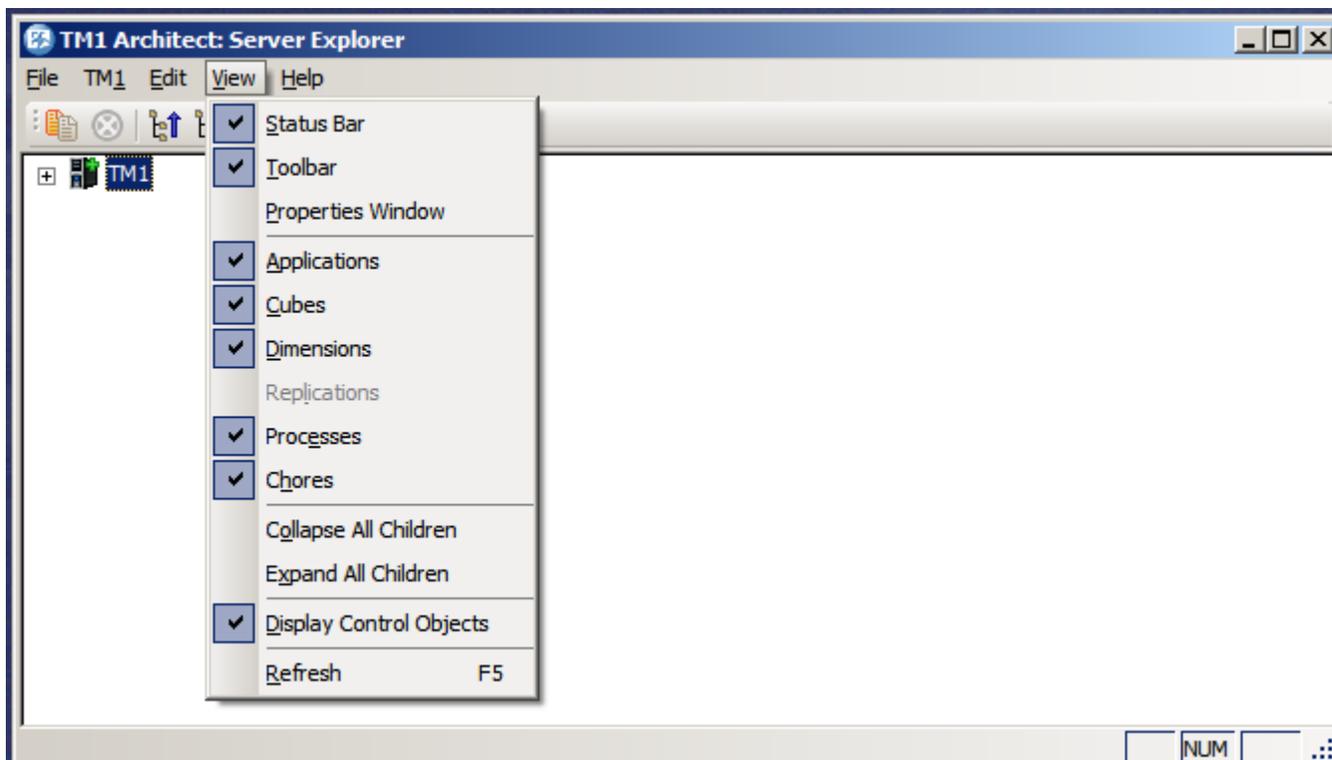


### 3.3 Setting Up the Contributor Application

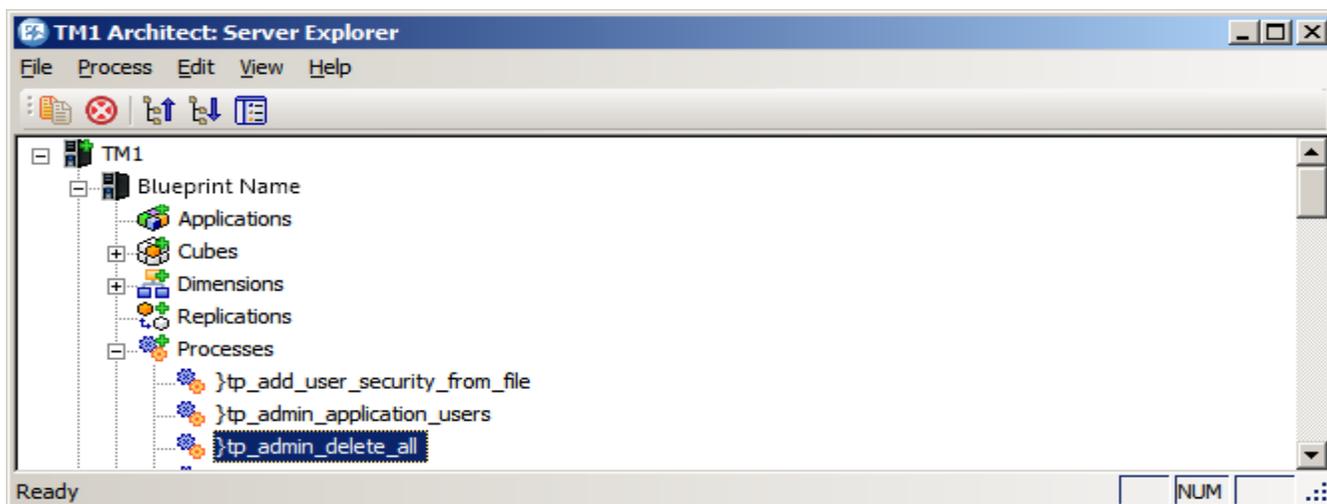
3.3.1 Open TM1 Architect

3.3.2 Double click the **healthcareproviderbp** 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

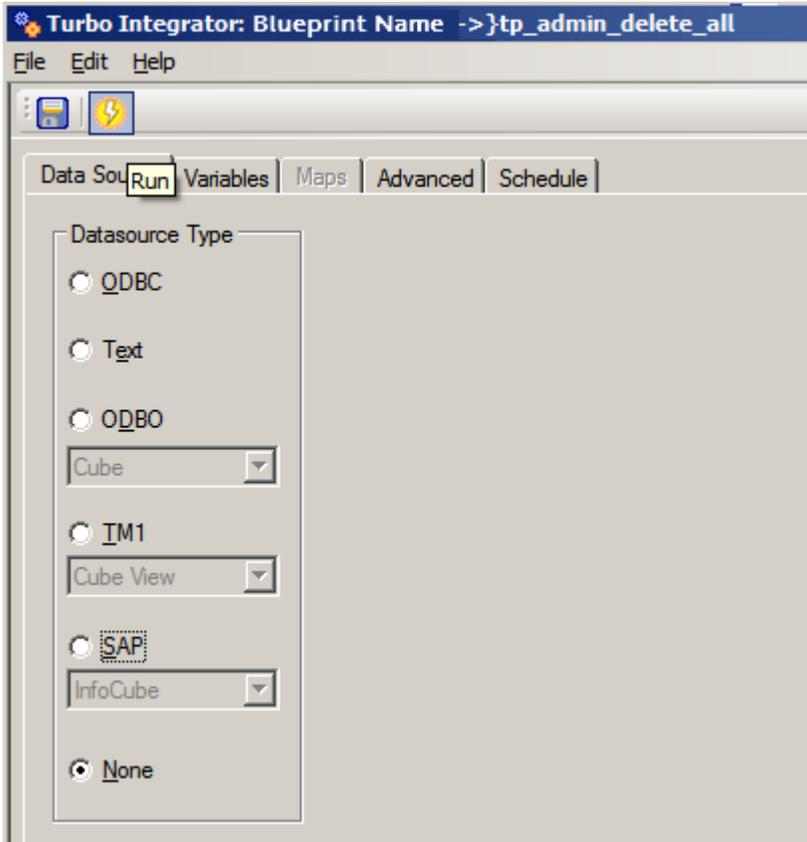


3.3.4 Expand **Processes** node and double click **}tp\_admin\_delete\_all**





**3.3.5** Click **run**

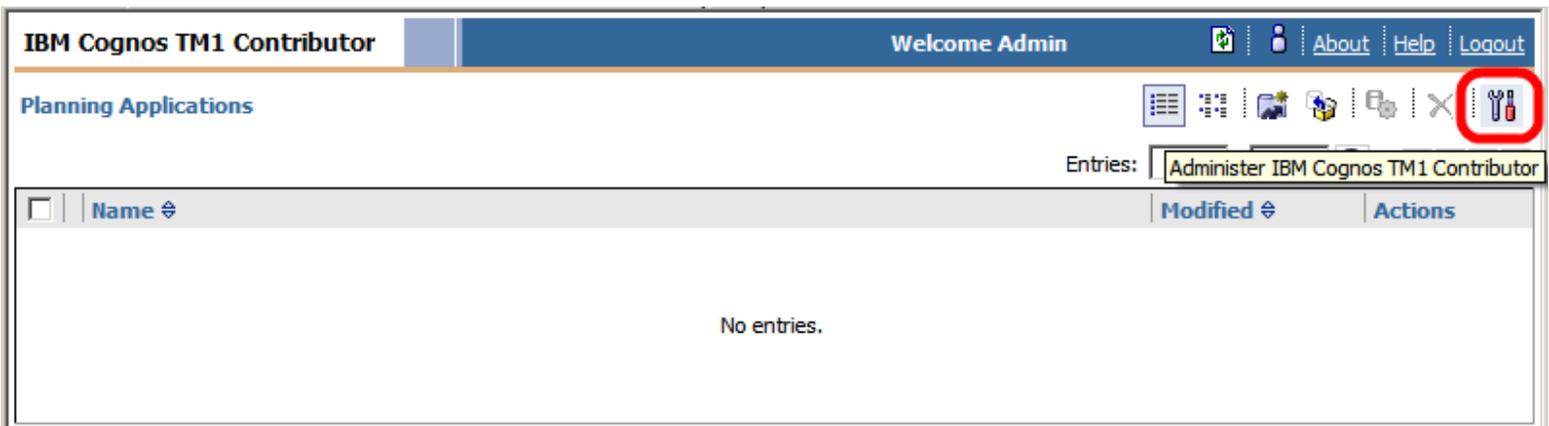


**3.3.6** Copy the "Healthcare Provider.zip file into

**C:\Cognos Innovation Center\Blueprints\Healthcare Provider 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 **healthcareproviderbp** and **OK**

The "Add Server" dialog box has a title bar with a close button. It contains two 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 to its right. 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 the navigation bar, there is a "Planning Applications" section with a toolbar containing several icons. One icon, representing an application, is circled in red. Below the toolbar, there is an "Entries:" field and an "Import Application" button. The main content area shows a table with columns for "Name", "Modified", and "Actions", and the text "No entries." is displayed in the center.

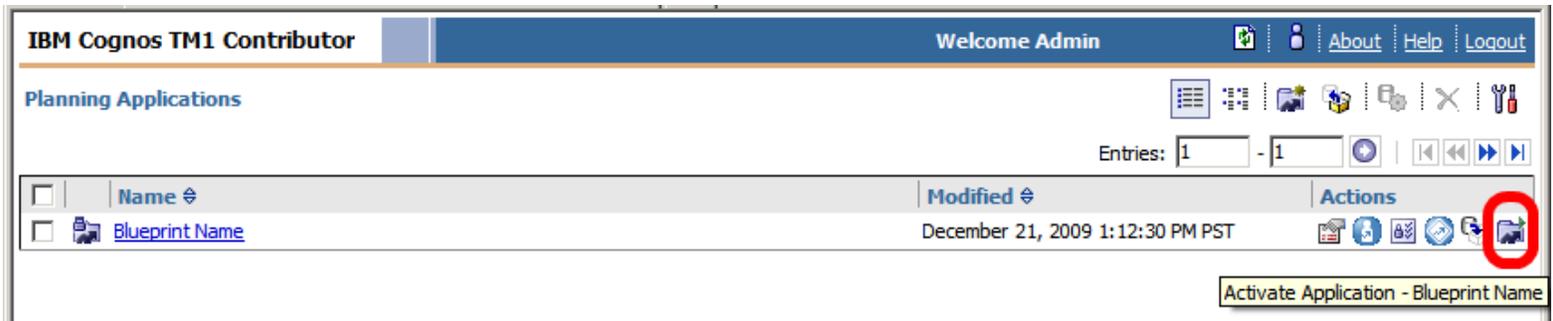
- 3.3.15 Choose ***yourTM1ServerName:healthcareproviderbp*** for the TM1 Server
- 3.3.16 Browse to **C:\Cognos Innovation Center\Blueprints\Healthcare Provider Blueprint** and select the "**Healthcare Provider.zip**"



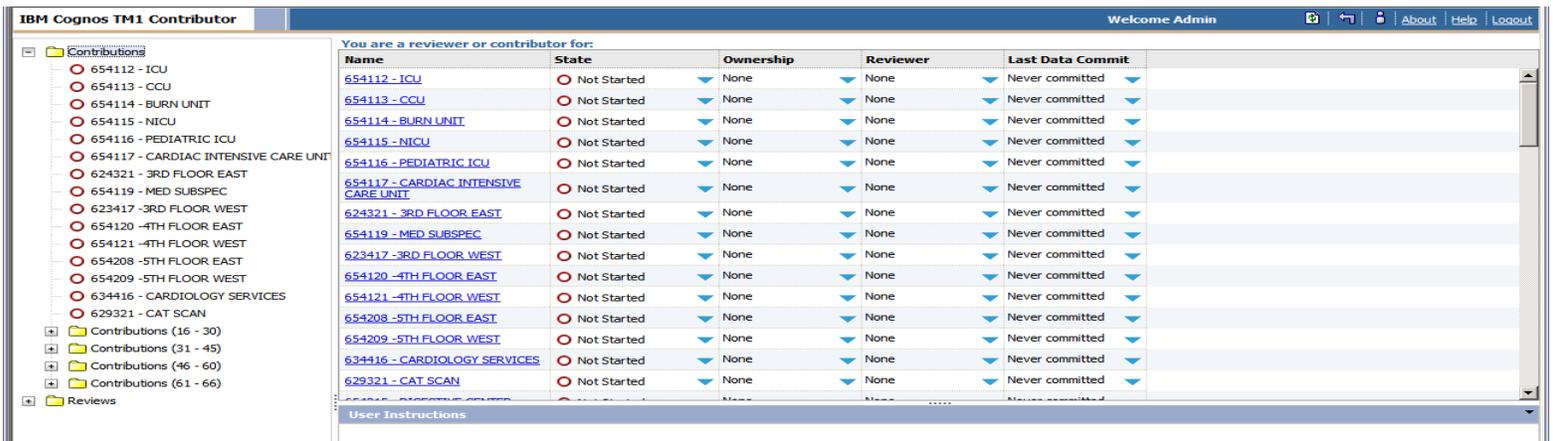
**3.3.17 Uncheck Import application security and Click Import**



**3.3.18 Click the Activate Application icon**



**3.3.19 Click the Healthcare Provider link to test, if installed correctly it should resemble the following**



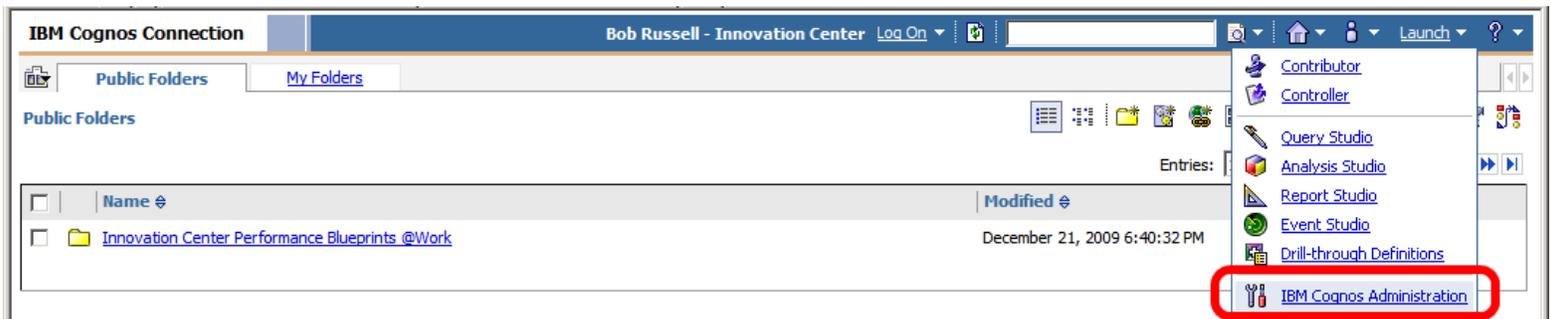


## IBM Cognos 8 BI Content

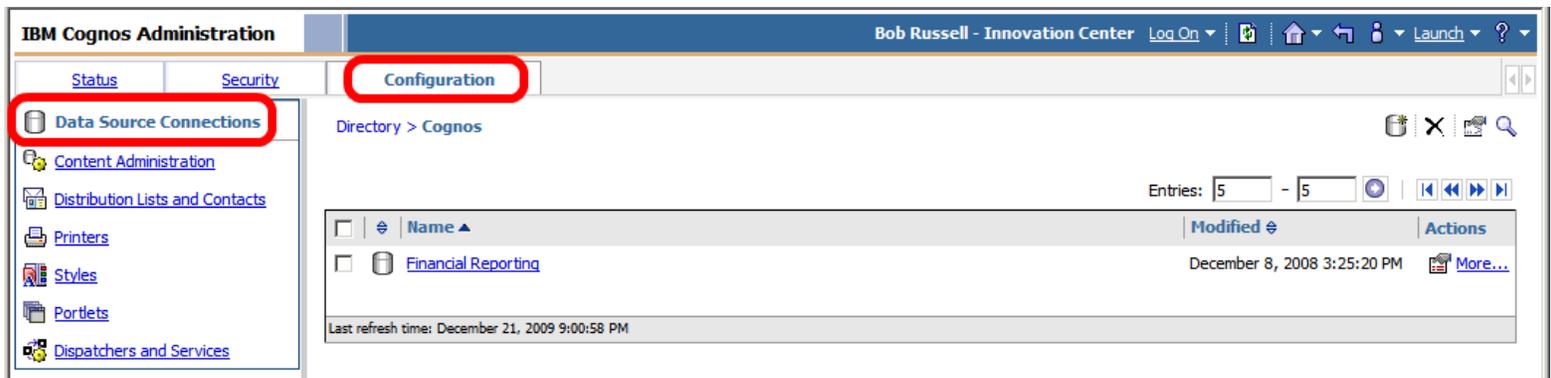
The following steps will navigate through the steps required to configure the objects needed for the IBM Cognos BI content to work properly.

### 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 

The screenshot shows the IBM Cognos Administration interface. The top navigation bar includes 'Status', 'Security', and 'Configuration'. The left sidebar lists various management options like 'Data Source Connections', 'Content Administration', etc. The main area is titled 'Directory > Cognos' and displays a table of data source connections. A red circle highlights the 'New Data Source' icon in the top right corner of the main area. Below the table, there is a 'Last refresh time' indicator.

<input type="checkbox"/>	Name ▲	Modified	Actions
<input type="checkbox"/>	 <a href="#">Financial Reporting</a>	December 8, 2008 3:25:20 PM	 <a href="#">More...</a>

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

4.1.5 Name the Data Source exactly as: "TM1\_Healthcare Provider BP" then click **Next >**

The screenshot shows the 'Specify a name and description - New Data Source wizard' dialog box. The 'Name' field contains 'Blueprint Name Data Source'. The 'Description' and 'Screen tip' fields are empty. The 'Location' is set to 'Directory > Cognos'. At the bottom, the 'Next >' button is highlighted with a red circle.

**Name:**  
Blueprint Name Data Source

**Description:**

**Screen tip:**

**Location:**  
Directory > Cognos

Buttons: Cancel, < Back, **Next >**, Finish



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

A screenshot of the IBM Cognos Administration interface. The window title is 'IBM Cognos Administration' and the user is 'Bob Russell - Innovation Center'. The 'Configuration' tab is active. On the left, a navigation pane shows 'Data Source Connections' selected. The main area displays the 'Specify the connection - New Data Source wizard'. The 'Type' dropdown menu is set to 'TM1'. Under 'Isolation level', the radio button for 'Use the default object gateway' is selected. Below it, the 'Specify a value:' option is unselected, and a 'Cursor stability' dropdown is visible. At the bottom, there are four buttons: 'Cancel', '&lt; Back', 'Next &gt;', and 'Finish'. The 'Next &gt;' button is circled in red.



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:** A text input field containing 'your TM1 Admin Host Server'.
- Server Name:** A text input field containing 'Blueprint Name (EXACTLY as it appears in TM1 Architect)'.
- Signon:** A section with the instruction 'Select the type of authentication to use, whether a password is required and whether to create a signon.' It includes:
  - No authentication
  - An external namespace:
    - LDAP (Active) (selected)
  - Signons
    - Password
    - Create a signon that the Everyone group can use:
      - User ID:** 'admin'
      - Password:** masked with dots
      - Confirm password:** masked with dots

At the bottom of the wizard, there is a 'Testing' section with a button labeled 'Test the connection...' which is circled in red. Below this are 'Cancel', '< Back', 'Next >', and 'Finish' buttons.

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

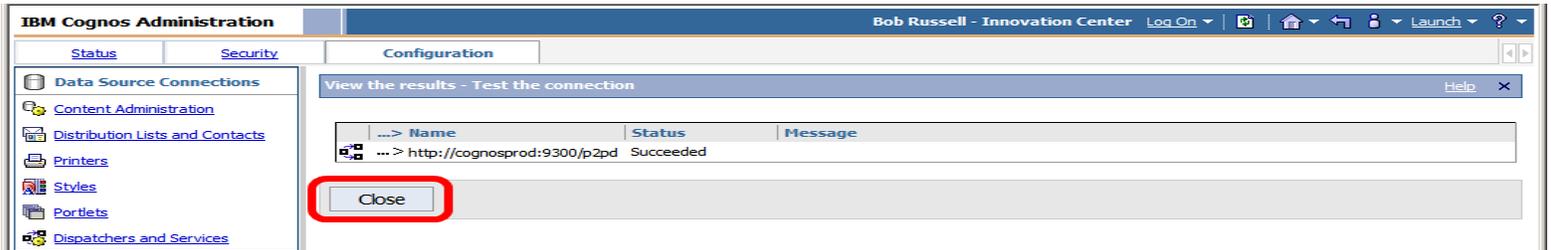
The screenshot shows the 'Test the connection - New Data Source wizard' in IBM Cognos Administration. The main content area displays the following information:

- Connection string:** A text area containing the string: '^User ID: ^?Password:;LOCAL;TM;TM1AdminHost=cognosprod;TM1ServerName=workforceplanningv2;UID=%s;PWD=%s'
- Dispatcher:** 'http://cognosprod:9300/p2pd (Configuration)'
- Test the connection using:** A section with:
  - User ID:** 'admin'
  - Password:** masked with dots

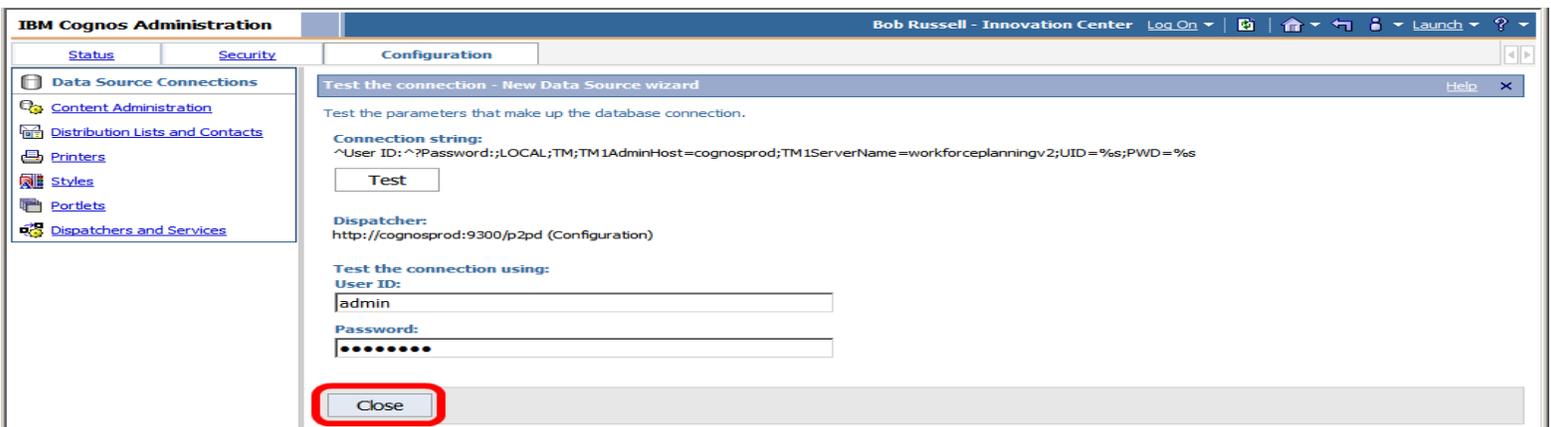
A 'Test' button is circled in red. At the bottom, there is a 'Close' button.



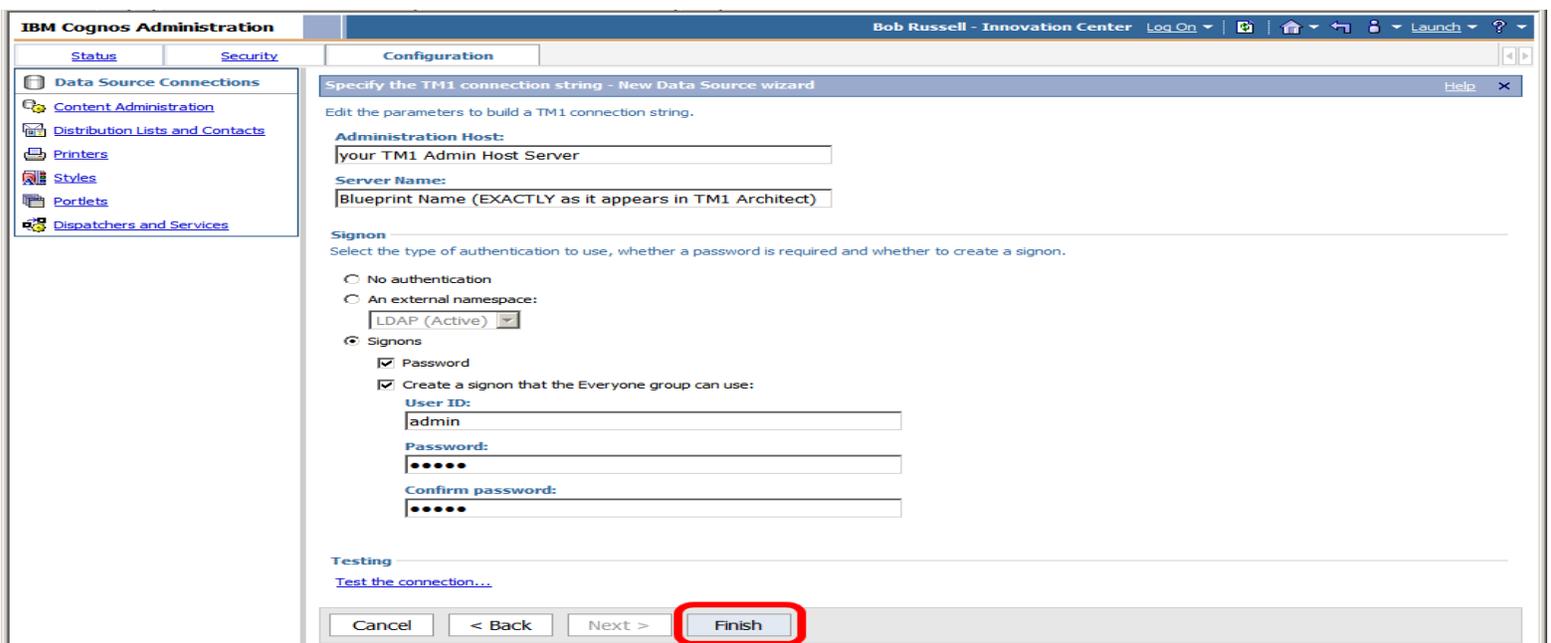
4.1.9 The following screen should indicate **Succeeded** below the Status then click **Close**



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 '**Healthcare Provider BI Deployment**' then click **Next >**





**4.2.5** Verify the Name is 'Healthcare Provider 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:**

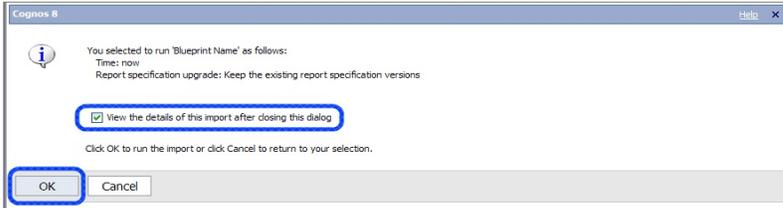
Content store  
 Directory  
 Cognos namespace  
 Public Folders  
 Blueprint Name

**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



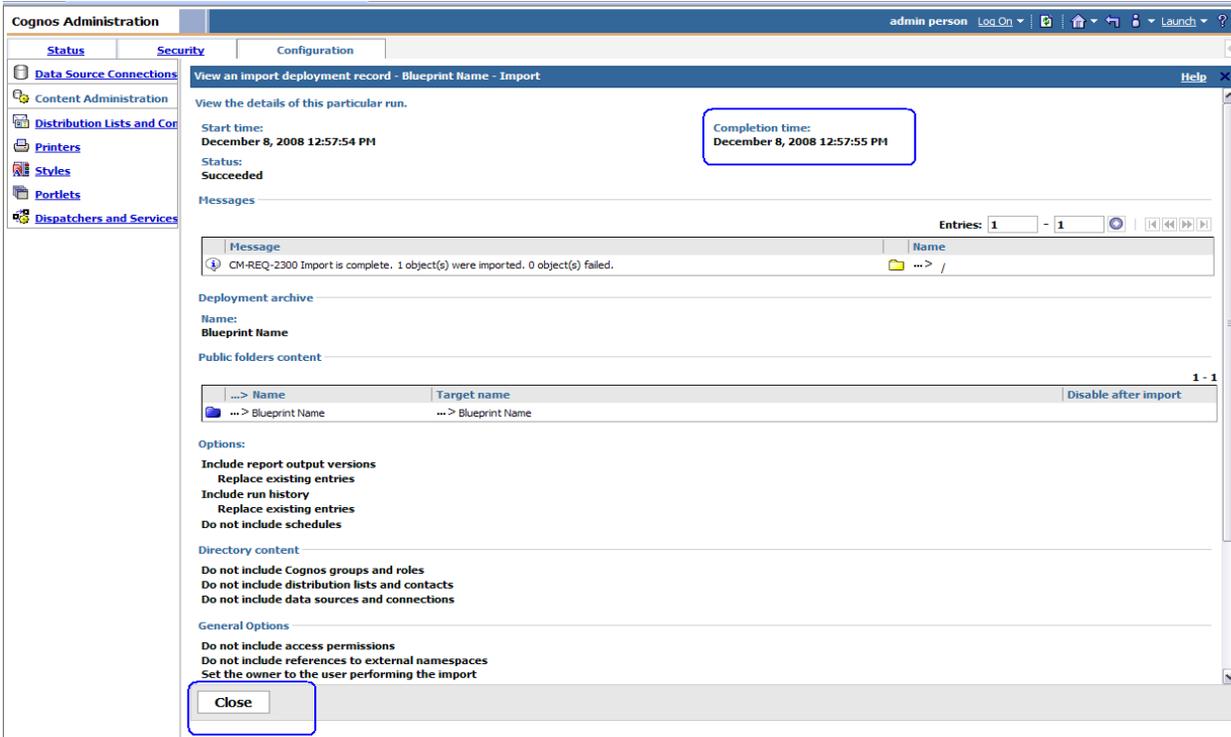
4.2.11 Check 'View the details of this import after closing this dialog' then click OK



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



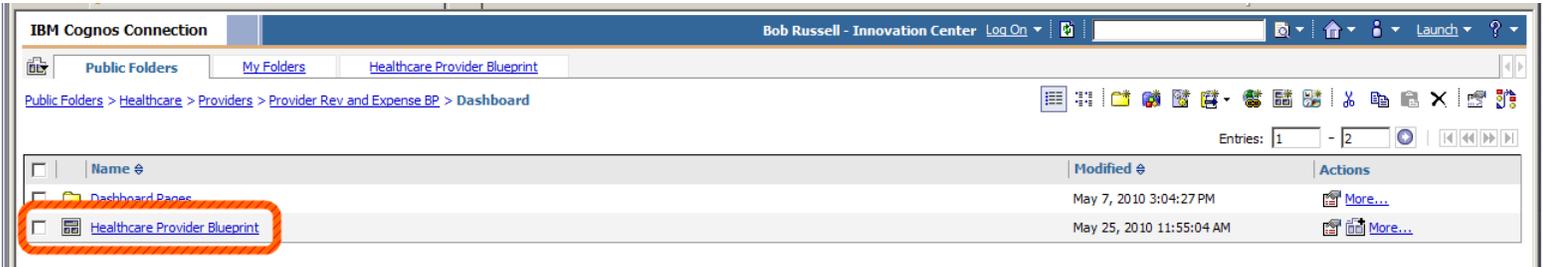
4.2.13 If the deployment import has not finished click on 'Refresh' again until it shows a completion time then click Close.



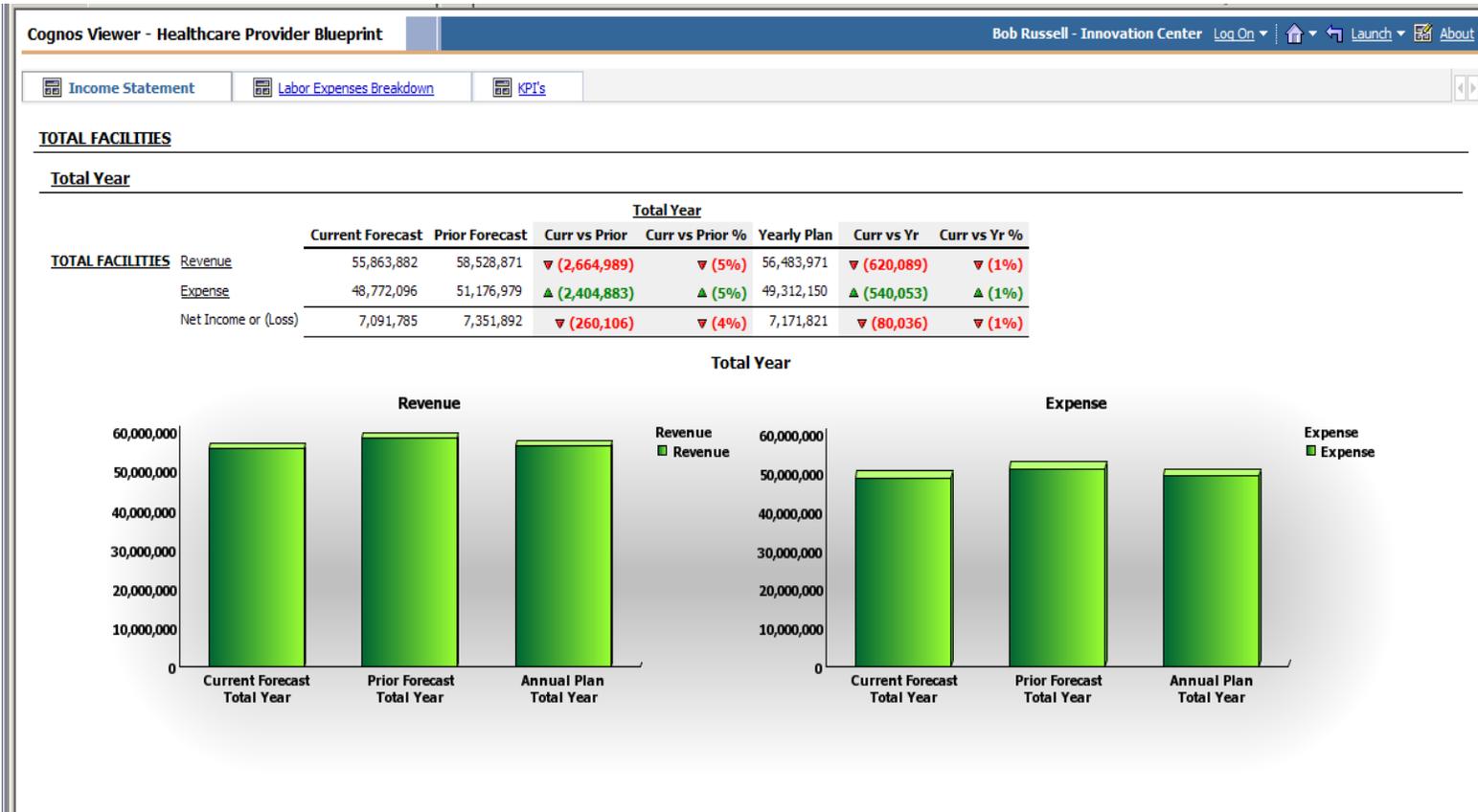


### 4.3 Testing IBM Cognos Dashboard Content

After the Import is performed a new folder will appear named 'Healthcare' in the IBM Cognos Connection portal. Navigate to **Healthcare/Providers/Provider Rev and Expense BP/Dashboard** and the content of this folder will display as:



To ensure the content is working correctly, click the 'Healthcare Provider Blueprint' link as highlighted above:



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