FINANCIAL ANALYTICS - PRODUCT PROFITABILITY BLUEPRINT
PERFORMANCE BLUEPRINT SETUP DOCUMENT
A WEB-BASED PERFORMANCE MANAGEMENT SOLUTION

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1. Blueprint Overview

This document explains the content and provides installations steps for a web-based solution reporting for the Product Profitability Blueprint.

IBM Cognos Blueprints are pre-defined data, process, and policy software models developed in partnership with leading academic institutions. 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 their performance and track it in a consistent, logical manner. This tool gives the user a simple yet powerful way to have an insight into different Metrics and KPIs to understand better how they have been performing.

2. Making Content Files available for each application

2.1. Unzipping the "Product_Profitability_Blueprint_Content"

After unzipping the "PRODUCT_PROFITABILITY_Blueprint_Content" it will create the following directories:

Name △	Size	Type	Date Modified	
Deployment File - Reports		File Folder	11/16/2009 9:08 AM	
Documentation		File Folder	11/16/2009 9:10 AM	
Framework Manager Model		File Folder	11/16/2009 9:47 AM	
Graphics, Files, etc		File Folder	11/16/2009 9:08 AM	
TM1 Application		File Folder	11/16/2009 9:08 AM	
readme.txt	1 KB	Text Document	11/16/2009 9:09 AM	

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

2.2. Copying the necessary files into their respective directories

Copy the Product_Profitability_Blueprint_BI_Deployment.zip file from 'Deployment File – Reports' into <IBM Cognos 8 install location>/deployment

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.

Copy all folders/images from the /Graphics,Files,etc directory into
<IBM Cognos 8 install location>/webcontent/samples/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.

Copy the content of TM1 Application to:
C:\IBM\Cognos Innovation Center\Blueprints\Product Profitability Analytics

Note: The TM1 data model uses Turbo Integrator Processes and Chores to copy data between Scenario 2 (Actual/Forecast) and Scenario 3 (Reforecast) to start the Reforecast cycle and also to import data from source files to Reforecast to mimic the effect of making changes to the Reforecast to take corrective action. The reason this is done is to obviate the need for opening TM1 and making the data changes manually as there are quite a few data changes required. For this reason it is important that the previous path is created. Otherwise the import process will not work. Using a different path will require editing the Turbo Integrator Processes.

3. IBM Cognos TM1 Content

The purpose of the TM1 data model is to at as a data source for the Business Intelligence Analytics. The TM1 data model should not be considered as anything other 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 trough 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. Extract the IBM Cognos TM1 Content

Go to folder "C:\IBM\Cognos Innovation Center\Blueprints\Product Profitability Analytics" to unzip the file "Financial_Analytics_Product_Profitability_Blueprint_TM1Content.zip". The files extracted should be located within the same folder.

Once the files are extracted the following structure will be available:

3.2. 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:

Tm1s.cfg
Tm1s.lic
And, a shortcut to execute tm1s.exe using the Blueprint content as the working directory.

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
......
```

This file would need to be copied over to the following folder:
"C:\IBM\Cognos Innovation Center\Blueprints\Product Profitability Analytics/Objects"
to be able to create a new IBM Cognos TM1 Server instance.

3.2.1. Modify the Tm1s.cfg server configuration file

Within the folder
"C:\IBM\Cognos Innovation Center\Blueprints\Product Profitability Analytics/Objects"
The file "tm1s.cfg" is provided.

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=C:\IBM\Cognos Innovation Center\Blueprints\Product Profitability
Analytics
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 would need to be reviewed and modified accordingly for your company environment. If there is certainty that the TCP ports set in the previous parameters are not being used, they can be left unchanged.

However the "AdminHost" would need to be changed to set it as the IBM Cognos TM1 Admin Sever host in your environment.

3.2.2. Modify/Create the shortcut to Server

Navigate to "<YourIBMCognosTM1_DirectoryInstall>/bin" folder; create a shortcut to tm1s.exe.
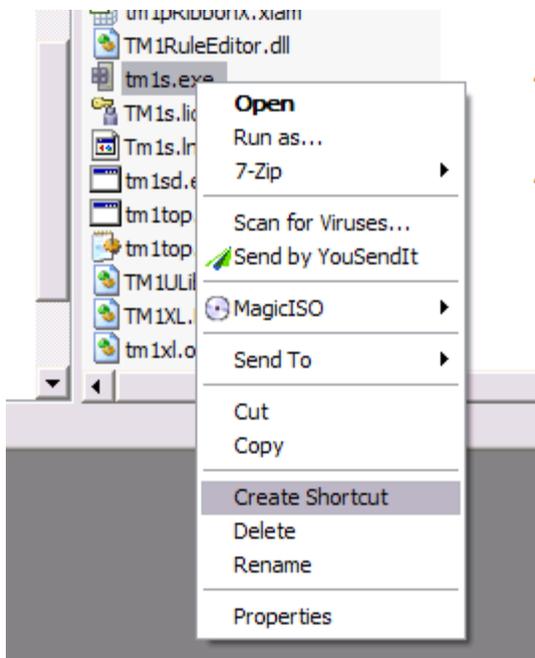
- Copy the shortcut created to "C:\IBM\Cognos Innovation Center\Blueprints\Product Profitability Analytics"
- Rename the shortcut to be "Product Profitability Blueprint"
- Edit the Shortcut Properties
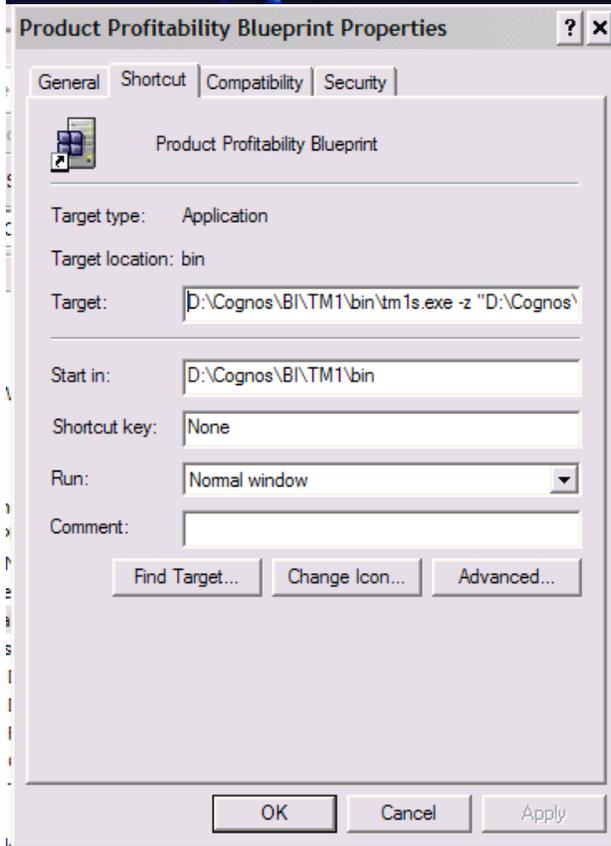
The "Target" property of the shortcut needs to be changed to read:

<YourIBMCognosTM1InstallFolder>\bin\tm1s.exe -z "C:\IBM\Cognos Innovation Center\Blueprints\Product Profitability Analytics "

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.

3.3.   Testing the new IBM Cognos TM1 Server instance

Double click onto the shortcut "Product Profitability Blueprint" located in the folder:
     "C:\IBM\Cognos Innovation Center\Blueprints\Product Profitability Analytics"

The following dialog will come up:
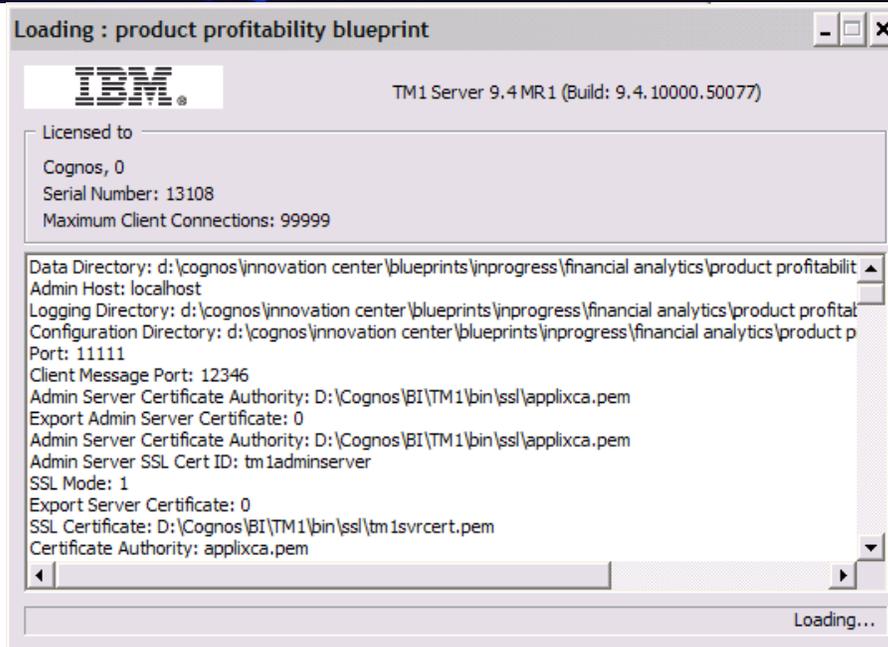
And after all the cubes have been loaded the last lines in the dialog will display:
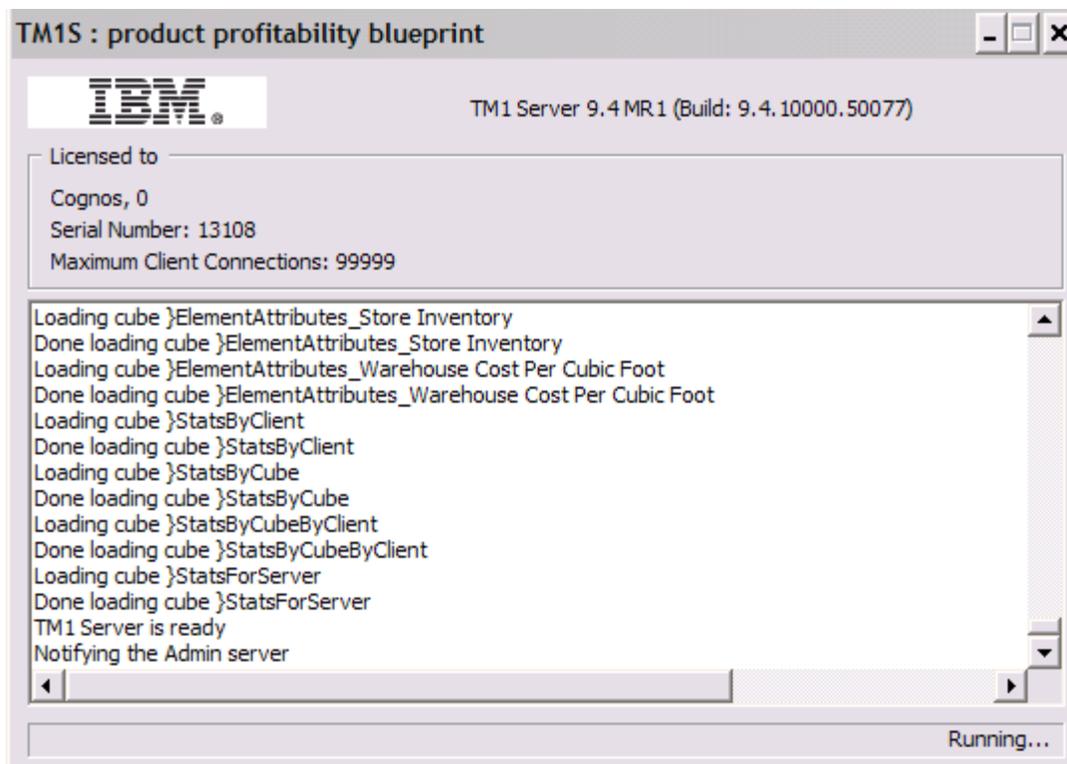
Once the newly created IBM Cognos TM1 Server instance is up and running, Architect and/or IBM Cognos TM1Web can be used to navigate through the content.

3.4. Processes to reset Reforecast Data

The Reforecast data has been pre-run so the BI Analytics will work immediately. If you wish to reset the Reforecast data to zero and to run the Turbo Integrator Chores from Architect
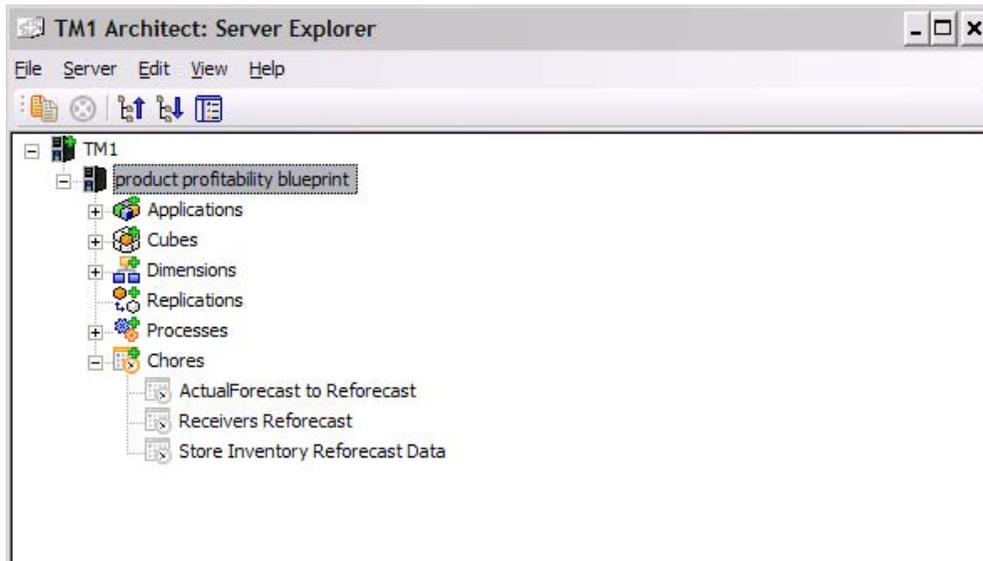
The easiest way to do this is to:

- Delete Scenario 3 from the dimension 'Scenarios' and then to re-add it and give it the alias 'Reforecast'.

- Execute the Turbo Integrator Chore 'ActualForecast to Reforecast' to populate 'Reforecast' with initial data.

- Execute the Turbo Integrator Chore 'Receivers Reforecast Data' to amend the Receivers data. (This process changes the Receivers reforecast data so that half the products are discontinued, inventory for these products is cleared and the sales volume associated with these products is assigned to the remaining products).

- Execute the Turbo Integrator Chore 'Store Inventory Reforecast Data' to amend the store inventory data (This reduces the cubic feet assigned to the '65 inch Flat Panel TV' and allocates the freed space to the other products with a corresponding increase in sales volume.)

4. IBM Cognos 8 BI Content

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

4.1. Create the data sources

First, we will look into creating the connections to the data sources.

4.1.1. Create 'Product_Profitability_Blueprint' data source

Open a browser window and go to IBM Cognos Connection. If Authentication is setup, login with a directory Administrator user.

Click on to Launch and select IBM Cognos Administration
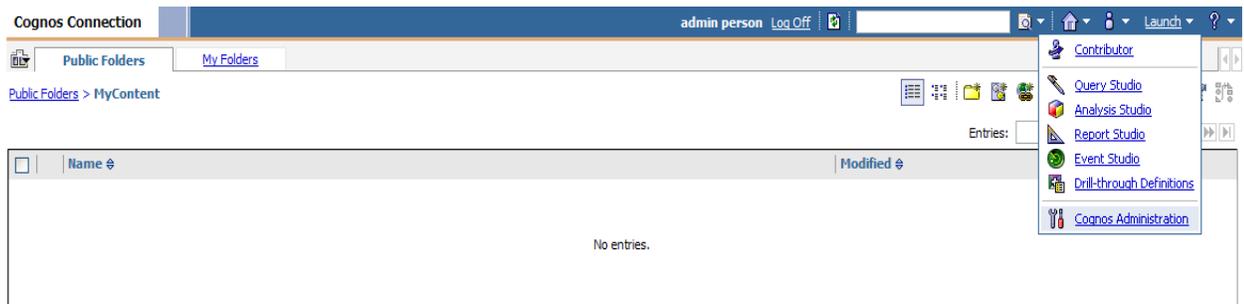
Click on the Configuration tab; make sure 'Data Source Connections' is selected

Click the Data Sources tab then click the New Data Source Icon

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Information Management

Cognos.
software

Cognos Administration

admin person Log On ▾

| Status | Security | Configuration |

Data Source Connections

Content Administration

Distribution Lists and Con

Printers

Styles

Portlets

Dispatchers and Services

Directory > Cognos

New Data Source

Entries: [   ] - [   ]

| ☐ | ⇕ | Name ▲ | Modified ⇕ | Actions |

No entries.

Last refresh time: December 8, 2008 11:51:55 AM

Name the Data Source exactly as: "Product_Profitability_Blueprint" then click
Next >

Select the 'TM1' option; then click Next >

Fill out the options for the 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:

localhost

Server Name:

product profitability blueprint

Signon

Select the type of authentication to use, whether a password is required and whether to create a signon.

○ No authentication

○ An external namespace:

◉ Signons

☐ Password

☑ Create a signon that the Everyone group can use:

User ID:

admin

Password:

Confirm password:

Testing

Test the connection...

| Cancel | < Back | Next > | Finish |

Click Test to verify the connection is setup correctly
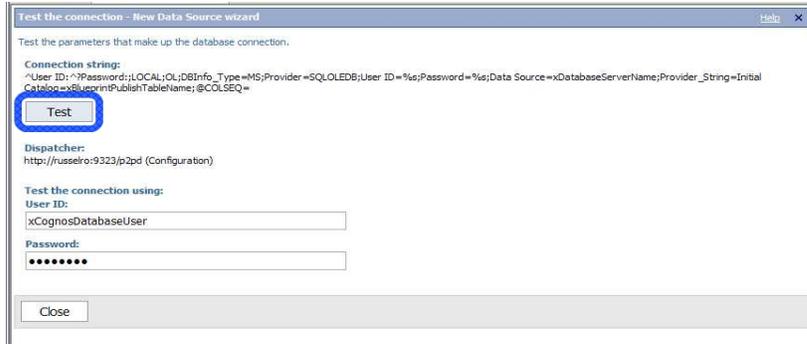
The following screen should indicate Succeeded below the Status then click Close

Click Close

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Information Management
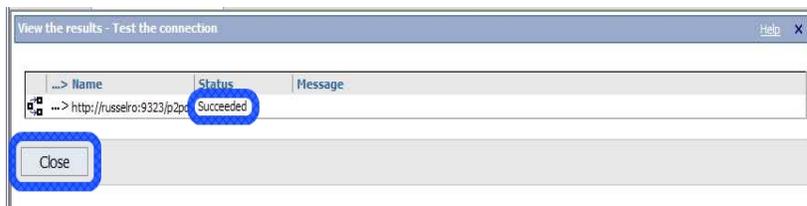
Cognos software
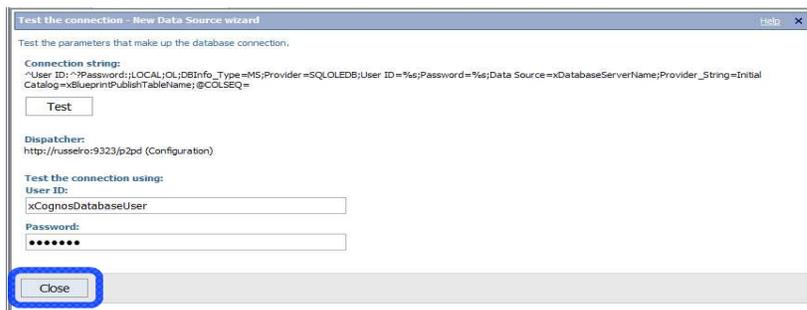
Click Finish to add the new data source
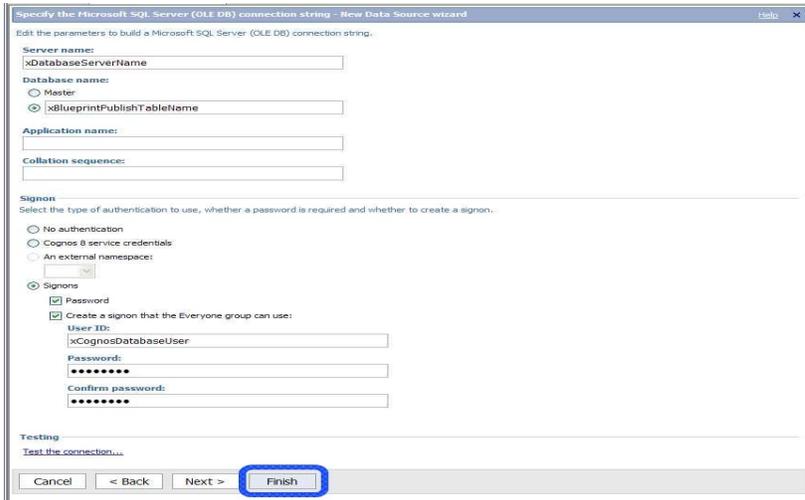
4.1.1.1. Run the import wizard to bring in the BI Content into the IBM Cognos Connection portal

From the screen in the previous step, select Content Administration

Click the New Import icon
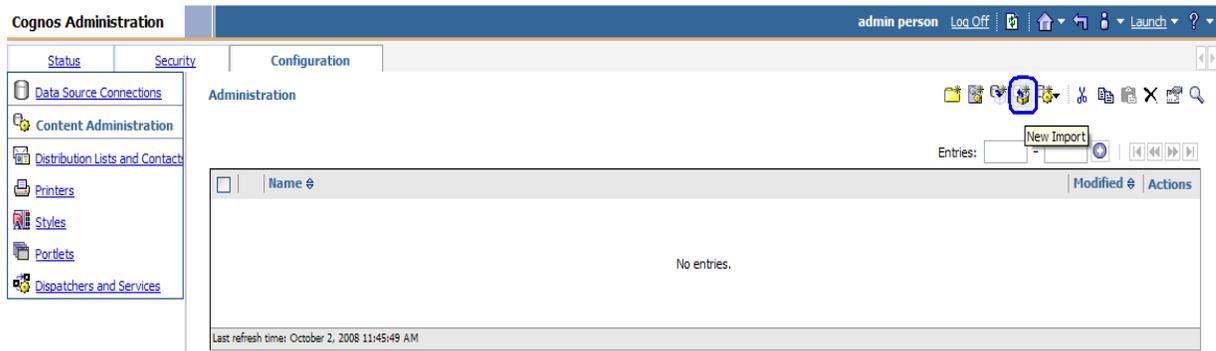
Select the import package named
'Product_Profitability_Blueprint_BI_Deployment'; then click Next >

Verify the Name is 'Product_Profitability_Blueprint_BI_Deployment' then click
Next >

Specify the options and <u>DO NOT</u> check 'Disable after import' then click Next >

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

Review the summary options selected then click Next >

Choose 'Save and run once' then click Finish

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

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

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

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

4.2.   Testing IBM Cognos Dashboards Content

After the Import is performed a new folder will show up a new folder 'Product_Profitability_Blueprint' in the IBM Cognos Connection portal. The content of this folder will display as:

To test the content is coming up correctly, launch the 'Salesforce Dashboards and Reports' Page at the bottom of the list. The following screen should come up:
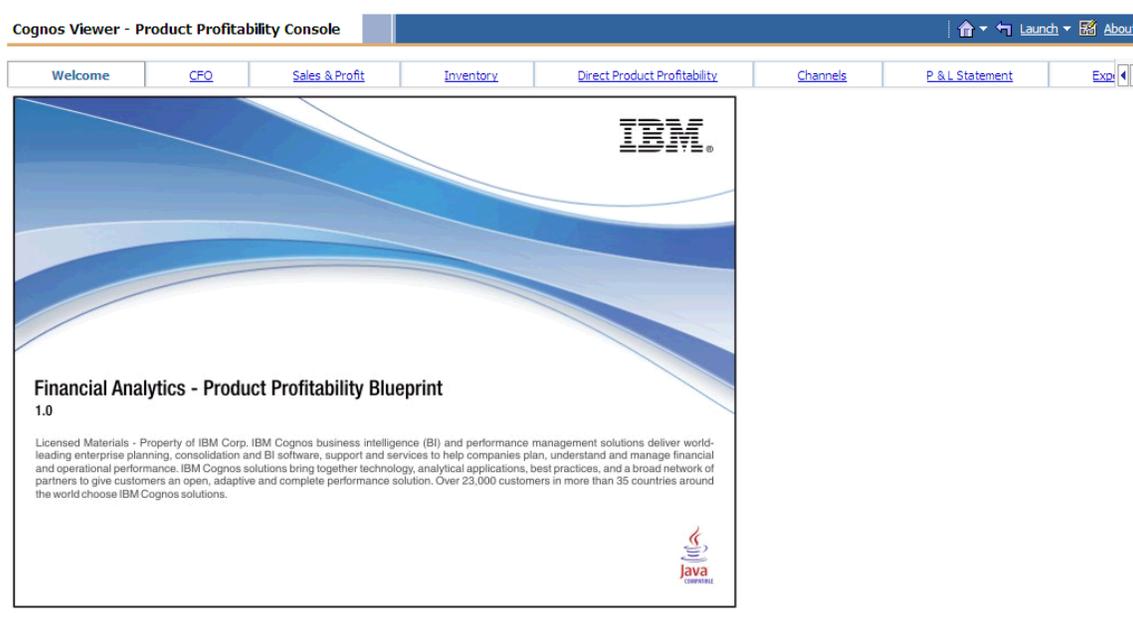
Then, testing can be performed on each of the dashboard pages to obtain the dashboards displaying your organization's data.