Version

Version	Date	Author	Remarks
1.0	10-24-2013	Wenjing	Created
1.1	01-13-2014	Amy	Updated

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1. Deploy master deployment on your BI environment

1.1 Master Deployment -- Simply Import Whole Content Store

(Recommended, Deployment need to be updated and maintained)

    If you have already installed database clients such as Oracle, and have cube files prepared, you can just import master deployment for whole content store to your BI server.

    Here's the location for Master Deployment whole content store (Whole_forFP1 means the latest deployment for Caspian RP1FP1):

    ftp 9.123.113.168//Master Deployment/Deployment/Whole_forFP1
    Password: *REPORTNET*

Note:
- Please check with Wen Jing (Wen Jing WJ Wan/China/IBM) about latest update on master deployment
- During import, choose "Do not assign new IDs during import", otherwise dashboard may not reference to original reports and errors will occur (notice checking this may overwrite existing IDs if there are other reports in content store before the deployment).

- During import/export, check "Include user account information"
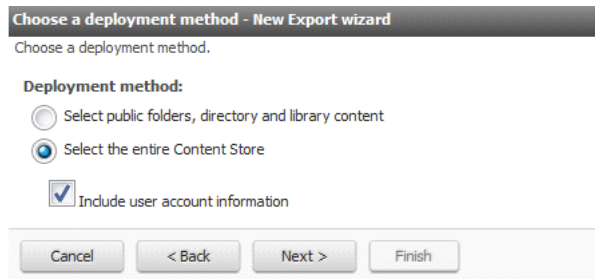
1.2 Download Master Deployment from RTC

Log on RTC, from Cognos Products, expand Source Control.

Right click 'studio_qu', in context menu, choose 'show->repository files'.
Expand Deployments folder, you will see all master deployments for each release build. By the way, the Cubes folder contains all Power Cube .mdc files. Please ensure which deployment you need for your testing, usually we would take the latest released version.
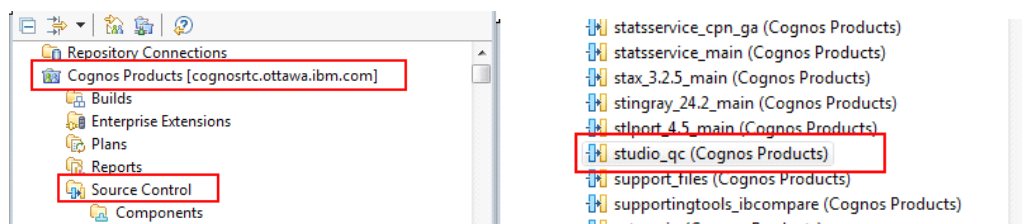
For example, for our Danube testing, I got the Caspian_RP1_FP1 Deployment.
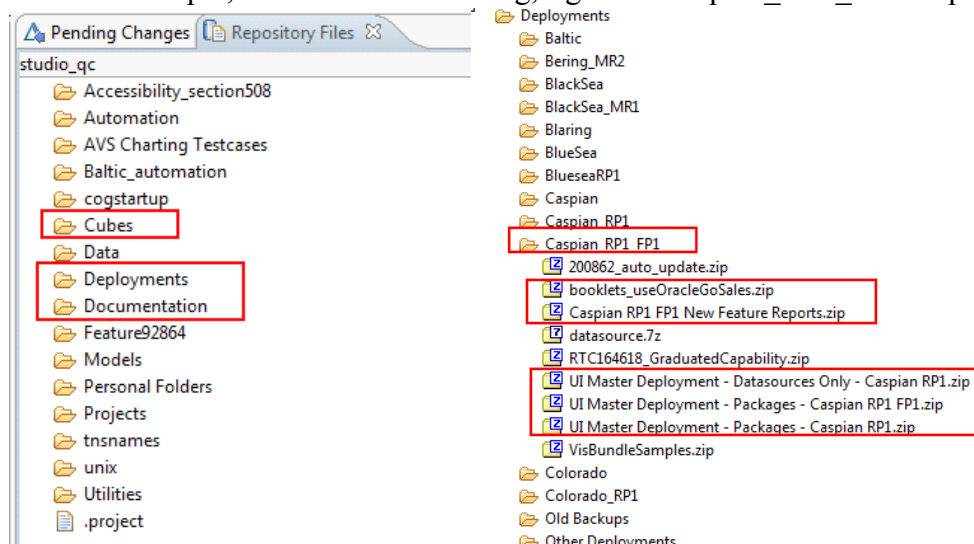
Download those files from RTC, then import the packages and data sources to our env, The import of data sources may need a password, which is REPORTNET.

1.3 Database Client & Data Source Configuration

A. Oracle

- Oracle Client: cdl_Oracle_Database_Client_11.1.0.6.0_Windows+32-bit

- File Location:

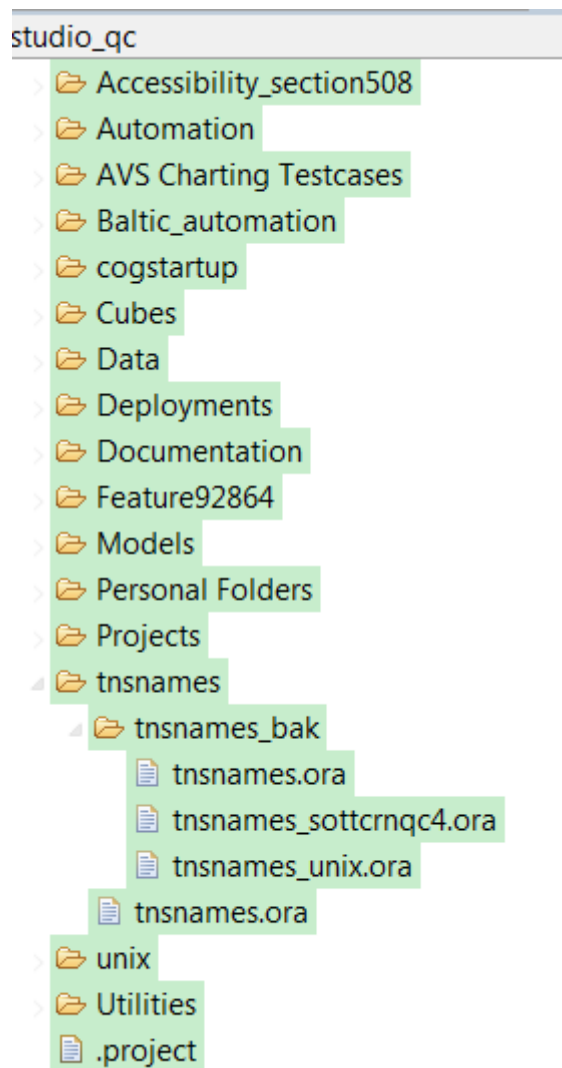 Location 1: ftp 9.123.113.168\\Master Deployment\Datasource\Oracle\

  Location 2: download from RTC

```
studio_qc
    Accessibility_section508
    Automation
    AVS Charting Testcases
    Baltic_automation
    cogstartup
    Cubes
    Data
    Deployments
    Documentation
    Feature92864
    Models
    Personal Folders
    Projects
    tnsnames
        tnsnames_bak
            tnsnames.ora
            tnsnames_sottcrnqc4.ora
            tnsnames_unix.ora
        tnsnames.ora
    unix
    Utilities
    .project
```
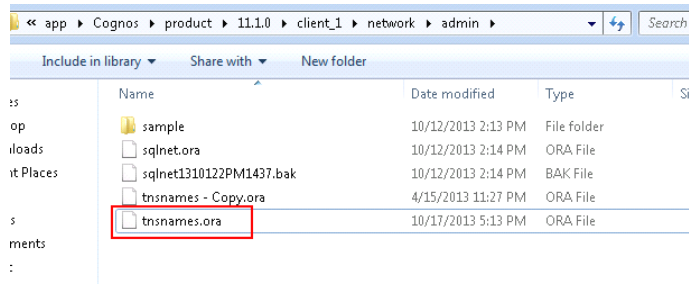
- Installation Process: Default

- Configuration:

      After Oracle client is installed, copy file tnsnames.ora from 9.123.113.168\\Master Deployment\Datasource\Oracle\ to Oracle client location like C:\app\Cognos\product\11.1.0\client_1\network\admin in your own VM. This file is

the Oracle client configuration file, which contains all the data connection using Oracle in Master Deployment.

B. DB2

- File Location: ftp 9.123.113.168\\Master Deployment\Datasource\DB2\db2

- Configuration:
    We cannot connect to DB2 data source successfully till now. Since DB2 requires specific information (server IP & port, database username & password, etc.) for each database connection.

You can refer to following paper for further information on DB2 configuration:

http://www.ibm.com/developerworks/cn/data/library/techarticle/dm-1311cognos-ds/index.html?ca=drs-

C. SQL Server

- SQL Server client: Not needed

- Configuration: Just need to add string 'ottawa.ibm.com' to the end of server name.

D. Other Databases

You can refer to following links for other database UID and Passwords:
http://sottolapsrvfs.ottawa.ibm.com/DTS_RDBMS_Support/
http://sottolapsrvfs.ottawa.ibm.com/DTS_OLAP_Support/

E. PowerCubes

Since currently we donnot have the access to the cube folder in Canada lab, we should download the cube folder to our local machine, and modify the cube file location in data source configuration.

There are 3 ways for PowerCube configuration:

- Common Server (Recommended, Cube folder needs to be updated and maintained)
  Set cube folder location as common server "\\COGNOS-PC\cube":

Windows location:
\\COGNOS-PC\cube\Great Outdoors Company.mdc

- Download cube folder from
"ftp 9.123.113.168\\Master Deployment\Datasource\cube" or RTC (refer to Chapter 1.2), put the cube folder under "C:\For WenJing\DataBase\" in your server (to be consistent with current configuration for whole content store deployment Whole_forFP1 mentioned in 1.1)
  Data source configuration is like:

Windows location:
C:\For WenJing\DataBase\cube\Great Outdoors Company.

- Download cube folder from
"ftp 9.123.113.168\\Master Deployment\Datasource\cube" or RTC (refer to Chapter 1.2), set the file location in data source configuration according to actual location in your server.

F. Power Play Studio

Some reports in mater deployment are authored by Power Play Studio. Power Play need to be installed on top of BI server if those reports are needed.

- Power Play: bippes_winx64h_10.2.5000.68_ml (RP1)

- File Location: ftp 9.123.113.168\\Master Deployment\PowerPlay\

  For more versions, please refer to:

  \\sottbuild1f.ottawa.ibm.com\Installkits\cpnpowerplay\ml

2. Problem tracing when error occurs

This chapter will introduce some tips to help you trace problem when error occurs.

Chapter 2.1 and 2.2 will take report Public Folders > BUX > List > Simple_List_RS as an example.

2.1 Check report package

1> Click on Set properties - Simple_List_RS:

2> Check the package location by clicking link "Link to a package....":
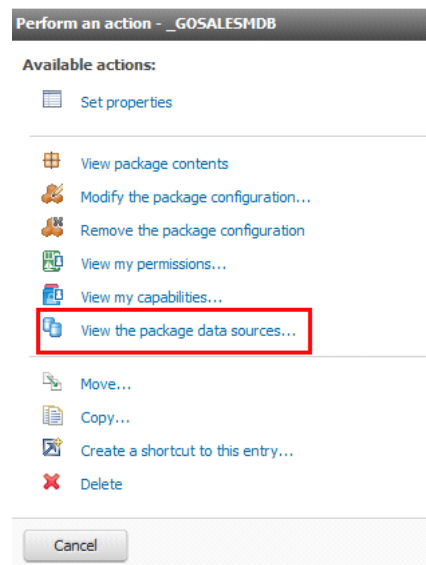
2.2 Check package data source
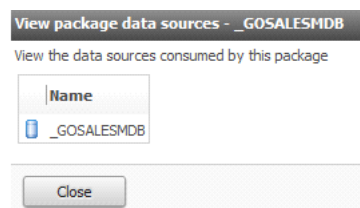
1> Click More actions for package _GOSALESMDB:
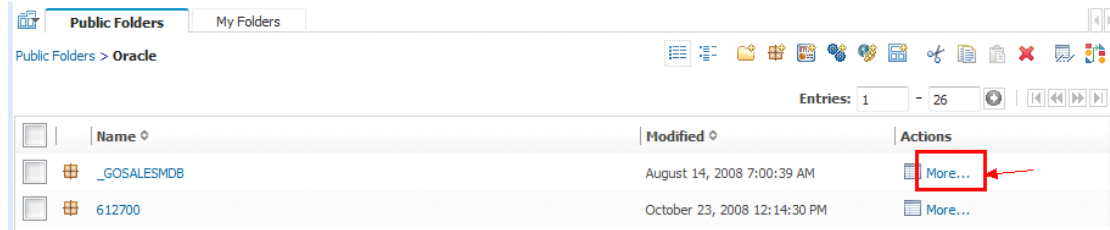
2> Select View the package data sources...:

3> The data source name is also _GOSALESMDB:

4> Then you can test and configure the data source in Cognos Administration (refer to Chapter 1.3):
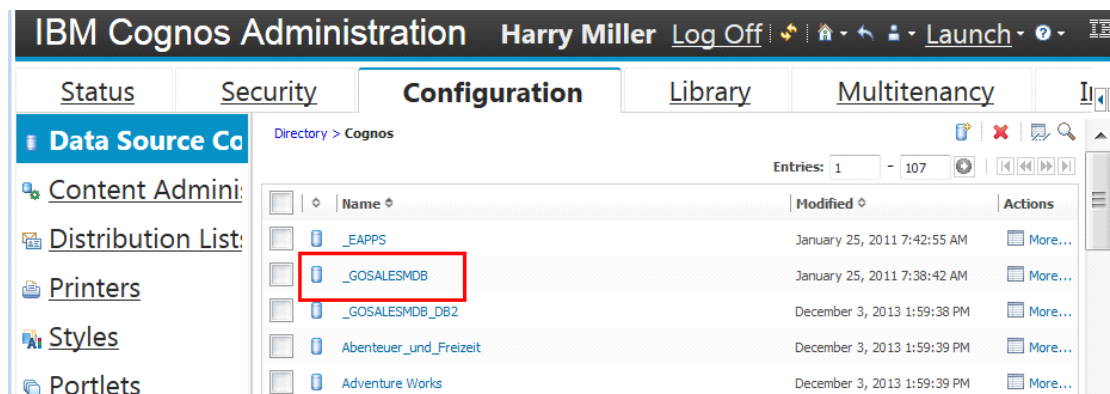
2.3 Check CW dashboard reports

1> Click Widget Actions > Properties:
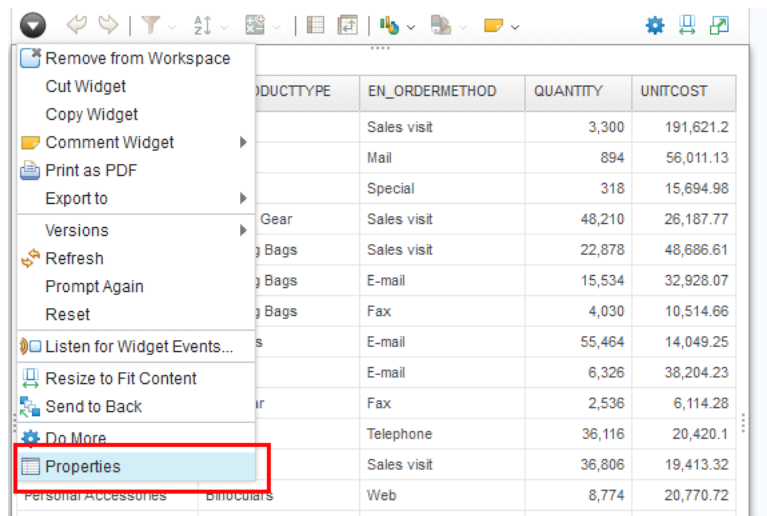
2> Then you can get the report in the dashboard:

3. Prepare Deployment for Feature Testing

To avoid the process of report authoring when it is not related to feature function, and to make the report reusable, we can make our own reports and put it into master deployment.

3.1 Suggestions

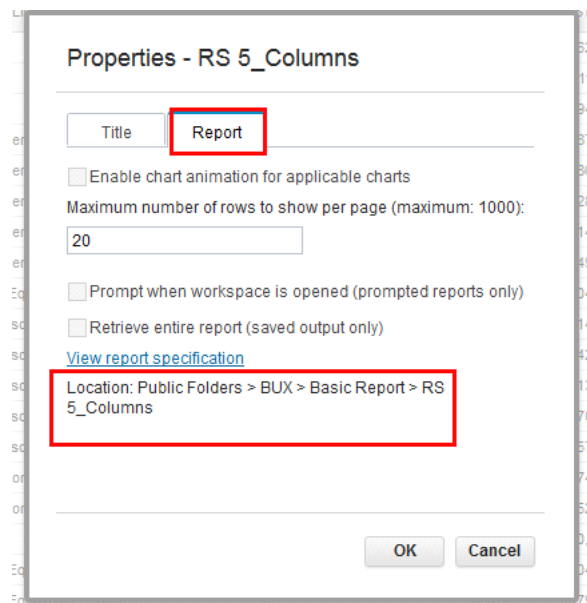- Unless the feature is about creating a particular report, you should try to see if you can use existing reports in Public Folders > BUX, especially for CW and Viewer test cases.

- Suggested packages:
  1. Oracle > GO Sales (Query): relational, it works on windows and unix platforms.
  2. PowerCubes > Great Outdoors Company: OLAP, it works anywhere

- Don't use any packages under Samples as they are dynamic, meaning from release to release, the data sources for those packages might change, your automation scripts may not run when changed to a different release.

3.2 Deployment preparation

Sometimes, you have to create new reports. In those cases, you can create a folder, and put all your reports in that folder, and then get that folder to Allie's (Allie Fairfax/Ottawa/IBM) master deployment, and start your test cases with "Run this report, that report and etc". This way, it makes running regression test cases simpler and faster, and writing automation scripts simpler and faster.
Here are some rules on how to make the deployment:

a. Go to master deployment to check whether the package you used already exists. If yes, you only need to export the reports. If not, you need to supply both the package deployment and report deployment, even the data source if necessary.

b. For our feature testing, Create a folder named 'Caspian New Features' (or 'Danube New Features' according to corresponding release), then create a folder named by the feature ("Feature No._Feature Name in Short", e.g. 289346_Visualization), put your reports under the folder. When we import the report folder it will contain the folder hierarchy, we need to make sure we have the same folder name and hierarchy as master deployment. After we import the report package please double check it can work in other environment.

c. If you use a new package and new data source, firstly, please check in the master deployment env data source, confirm no duplicate named data source is there. Then you need to create a blank CM (content store), only create the data source used for the package and the package. Then export the package with data source, please add the password as 'REPORTNET' when exporting. Also need to double check the package and data source imported are ok.

d. If we need to use other things, such as feature 289346 used visBundle which not released with BI, we need to do the special deployment only with visBundle package, and need to add info to mention how this package will effect.

e. If the package's data source has the same name in master deployment data source, such as feature 289346, we used package Sample_DQ, it used 'great_outdoors_sales' and 'great_outdoors_warehouse', in master deployment we have the same data source, but connect to different database, then we need to use modle (FM) to create a new data source named 'great_outdoors_sales_DQ' and 'great_outdoors_warehouse_DQ', make the package Sample_DQ use these two data source, publish the package to BI. Then export the package with data source and supply to Ottawa team.

f. The very important thing for preparing the deployment are: supply only the **Useful** and **Stable** (pay attention the package referred donnot changed from release to release) report, package, data source; you can add the report, package, data source to the master deployment, but cannot affect the existing ones.