How to use the 'DmConv' tab inside Controller Configuration to publish CognosBI Data Mart

Overview

Controller 8.2 and 8.3 can publish data to 3 different types of 'Data Mart'. You must select one of these when you first define your Data Mart template:

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L	Template —								 		1
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	Additional Target		Cog	inos BI	-						
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Company				Period Di	mension —		 				

1) Additional Target = 'none' (unticked)

- This publishes data to the same RDBMS database which holds the Controller application data.
- In other words, it publishes Data Mart data to new tables inside the existing Controller application database repository.

2) Additional Target = 'MS SSAS'

- This publishes data to an OLAP cube, which resides on a Microsoft MSAS (Analysis Services) server.
- In other words, it publishes Data Mart data to a separate 'OLAP' server, ready for 'slicing and dicing'.

3) Additional Target = 'Cognos BI'

- This publishes data to a *different* (separate) RDBMS database (different from the Controller application data database).
- In other words, it publishes Data Mart data to new tables inside a completely separate/unconnected database.
 - This "data mart" database may even be located on a completely separate/different server (e.g. different SQL server) from the one which hosts the Controller application repository database!
- Typically (in most scenarios) a customer would have a separate "Cognos BI" RDBMS target data mart database for each 'application repository' database
 - For example, for repository database 'Controller_live' you would have a corresponding Data Mart database 'Controller_live_datamart'
 - For 'Controller_test' you would have a 'Controller_test_datamart' database

This document will simply demonstrate the steps involved in configuring the application server, before you will be able to use (3).

Details

- Logon to the database server as an Administrator ٠
- Create a new database •
 - o In my demonstration, I have named this 'RC_Controller_live_datamart'
- Logon to Controller application server as an Administrator •
- Launch Cognos 8 Controller Configuration from the Start Menu •
- Select 'Database connections for publish to datamart' •
- Use the 'select' drop-down menu to choose the relevant database (e.g. • 'Controller_live_application)
- Fill in the details to connect to your 'data mart' database (e.g. •
- 'RC_Controller_live_datamart') Click the green 'tick' to test
- ٠ •
- Click the 'save' icon

🕼 Cognos 8 Controller Configuration 📃 🗆 🗙							
Eile ⊻iew Actions							
		<i></i>					
Explo	Database	connections for put ish to datamart					
Cognos 8 Controller Configuration	Select database: Controller_live_application						
The services server	Setting Provider	Value					
	User ID	fastnet					
CC Controller_live_application	Password	******					
EM March08	Initial catalog	RC_Controller_live_datamart					
RC_83Feb20_2008	Data source	VBRACUNTSULT					
JNMar JNMar JNMar							
Server Authentication							
	Defines a group of properties used to optimize reporting functions in Cognos Controller.						
- In Batch Services	Database connections use alternate ways of inserting data into the database when running reports using large amounts of data.						
Heport Server							
External data - Framework Manager import							
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Elient Distribution Server Configuration							
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• Now click on 'Database Connections'

In my example, my 'connection name' is "Controller_live_application" and the 'application repository' database (that this points to) is called 'RC_Gc8Globe':

🕻 Cognos 8 Controller Configuration							
Eile ⊻iew Actions Help							
Explorer	Controller_live_application						
Cognos 8 Controller Configuration Controller Configuration Controller Configuration Controller live application Controller live applications Control	Setting Database type Name Provider User ID Password Initial catalog Data source Defines a databa validated by clici If you delete a cr A report server d The location of t	Value SQL Server Controller_live_application SQLOLEDB.1 fastnet RC_Gc8Globe VBRACONTSQL1 asse connection. Once all properties have been specified the connection can be sing Actions, Check. connection it will be removed from the file system. ata source is automatically created when a new database connection is created. he server is defined by the Report Server section in this configuration application.					
Client Distribution Server Configuration							
		10					

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- For example, for repository database 'Controller_live' you would have a corresponding Data Mart database 'Controller_live_datamart'
- o For `Controller_test' you would have a `Controller_test_datamart'
 database

- Highlight the relevant database connection
 - o In this case, it is 'Controller_live_application'
 - Click on the green 'play' button
- Click on the 'DmConv' tab
- Click on the browse ("...") button and locate the UDL file that we created earlier

TIP: By default, these UDL files are located inside:

C:\Program Files\cognos\c8\DMData

WARNING: Make sure that you do not accidentally select the wrong data mart UDL (or choose one that exists inside the application repository folder "C:\Program

Files\cognos\c8\Data")

•



• Click 'Open'

• For a brand-new (blank) Data Mart, the 'DM version' will be zero (0):

🖻 Database Conversion Utility	×
DbConv DmConv	
Data [C:\Program Files\cognos\c8\DMData\Controller_live_appl]	
INFORMATION: Unable to determine current data mart version.	
Run Steps Save Log Close	

• Click on 'Run Steps' to bring the number up to the same number as displayed inside 'DmConv':

🕏 Database Conve	rsion Utility	×
DbConv DmConv		
Data DM Version	C:\Program Files\cognos\c8\DMData\Controller_live_appl Actual 0 DmConv 26	
Running Step 13 Running Step 14 Running Step 15 Running Step 15 Running Step 17 Running Step 19 Running Step 19 Running Step 20 Running Step 21 Running Step 22 Running Step 23 Running Step 23 Running Step 25 Running Step 25 Running Step 26 Database Upgrade co ALL PROCESSES CO	mpleted up to Version: 26 MPLETED.	
Run Steps	Close	

• Click 'Close' when this is finished

Finally, although we have created the Data Mart, the Controller server system will *not* be able to use it until the Batch Server service is restarted.

Therefore:

- Obtain a short period of downtime (no users on system)
- Click 'Batch Services'
- Highlight 'Controller Batch Process 1'
- Click 'stop' icon
- Wait 5 seconds
- Click 'start' (play) icon



