



DATABASE WRITEBACK

This document describes the process of setting up writeback to a database from a report within Cognos Connection.



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1

SUMMARY

This document describes the process of setting up the writeback of data from a Cognos report (Report Studio) to a database table.

The method achieves this by creating a drill through report which includes a 'result' column from a stored procedure.

When the drill through report is called from the originating report (using a button or image to 'add comment') it opens the query subject in the package. This has been set to provide the stored procedure with a number of parameters using prompts. Therefore the drill through report requires a 'comment' and other optional information to write into the database.

This comment information can then be used within the originating report itself by re-running the report or as a comments page report.

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2

SQL SERVER

Create the stored procedure in the database:

```
USE [<DBNAME HERE>]
```

```
ALTER PROCEDURE [dbo].[InsertComment]
```

```
@CommentID int,@UserName Varchar(250),@KPIDesc varchar(100), @ReportName  
Varchar(250),@site varchar(250) , @Region varchar(250),@Comments  
VARCHAR(4000)
```

```
AS
```

```
declare @counter int
```

```
Select @counter=count(*) from Comments_Table where CommentID=@CommentID and  
Comment=@Comments
```

```
if @counter=0
```

```
insert into
```

```
dbo.notes_User_Comments ([CommentID], [NoteDate], [UserName], [KPIDesc], [ReportN  
ame], [Site], [Region], [Note])
```

```
select @CommentID,GetDate(), @UserName, @KPIDesc, @ReportName, @site,  
@Region, @Comments
```

```
select 'Comment added to ID: '+RTRIM(CAST(@CommentID as CHAR)) + ',  
Successfully.' as Result
```



3 **FRAMEWORK MANAGER**

1. Add the procedure to the Framework Manager at the database view level. Initially the procedures will appear 'broken'
2. Edit the definition of each procedure and enter a valid entry for each parameter. This will normally take the form of a 'prompt'. In this example the entries are as follows:

```
UserID           #$account.personalInfo.userName#
KPI Description  # prompt( 'KPI Description' , 'varchar(100)') #
Report          # prompt( 'Report Name' , 'varchar(250)')#
Site            # prompt( 'Site' , 'varchar(250)') #
Region         # prompt( 'Region' , 'varchar(250)') #
Comment        # prompt( 'Comment' , 'varchar(4000)') #
```

3. If using the attached appendix leave the query subject as a 'Data Query'
4. Add the procedure to the business view level of the model.
5. Publish the package



4 REPORT STUDIO

1. Create two reports:
 - i. Primary report – A normal report with the option of adding a comment.
 - ii. Drill through report – The report opened when 'add comment' is clicked.
2. **Create the drill through report first.** This will make life easier when setting up the drill through.
 - iii. This report should contain at a minimum the 'result' column from the stored procedure in the model.
 - iv. Create a text prompt on a prompt page. Specify the parameter as the 'existing' parameter 'Comment'. This is being offered as a parameter because the report is only running the stored procedure.
3. **Report Definition: Primary report**
 - i. Create a list report that shows sales and includes the following columns. (The columns may vary but this needs to be reflected in the stored procedure:
KPI Description
Report
Site
Region
 - v. Create a new query calculation and add nothing to the definition.
 - vi. Unlock the report and remove the entry in this column. Add an image in its place.
 - vii. Select the image and click on the 'drill through' property.
 - viii. Create a new drill through and specify the target report as the 'Add Comment' report.
 - ix. Click on the new parameters button. You will be prompted to set the details for the following parameters:

KPI Description	Use 'pass data item value' select the 'KPI Description' column
Report	Use 'pass data item value' select the 'Report' column
Site	Use 'pass data item value' select the 'Site' column
Region	Use 'pass data item value' select the 'Region' column
Comment	Use 'Do not pass' (this will be set in the drill through report)





5 COPYRIGHT AND USE

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