



HARRIS
GOVERN



100-reporting-GovernActions

Harris Govern

Release 6.0.1608

Last Revision Update: 8/29/2017

Table of Contents

Summary	4
Requirement	4
Functionality	4
Where it can be run	4
Govern Actions.....	5
Insert Data.....	5
Name	5
Process	5
Available Tables	5
Value Format.....	5
Setup in Crystal Reports.....	6
Report Object Type	6
Value	7
'ExecuteGovernAction' Formula Field	8
'Suppress' Field Property	9
Specific Requirement	10

Summary

A Govern Action is a processes that can be triggered from any reports. They take the form of a report object with the name's prefix 'GovernAction' and value format. The process could be anything like an Insert or an Update in the database. It's executed just before showing/exporting/printing the report. There is no log and no indication that it has been run. If the Govern Action triggered an exception, the report execution stop and the error is showed in the error management tools.

Requirement

1. The report object must be named: GovernActionNAME
2. The report object returned value must follow the specific Value Format.

Functionality

Before the report is showed/printed/exported but after the Connections have been overridden and the Parameters passed, the report objects will be parse to retrieve all present Govern Actions with the keyword 'GovernAction'. Then for each record in the report it will execute all Govern Actions found with their specific value for the record.

Where it can be run

A Govern Action can be run on every report that can be show/print/export in Govern or in a Batch Process.

Only eGov cannot execute Govern Action.

Govern Actions

Here are list all existing Govern Action and their parameters

Insert Data

Name

INSERTDATA

Process

This Govern Action will insert data in a given table. It will use all the columns present in the value received.

Available Tables

Here are list all the available tables for the Govern Action Insert Data

- ST_EVENT_HIST

Value Format

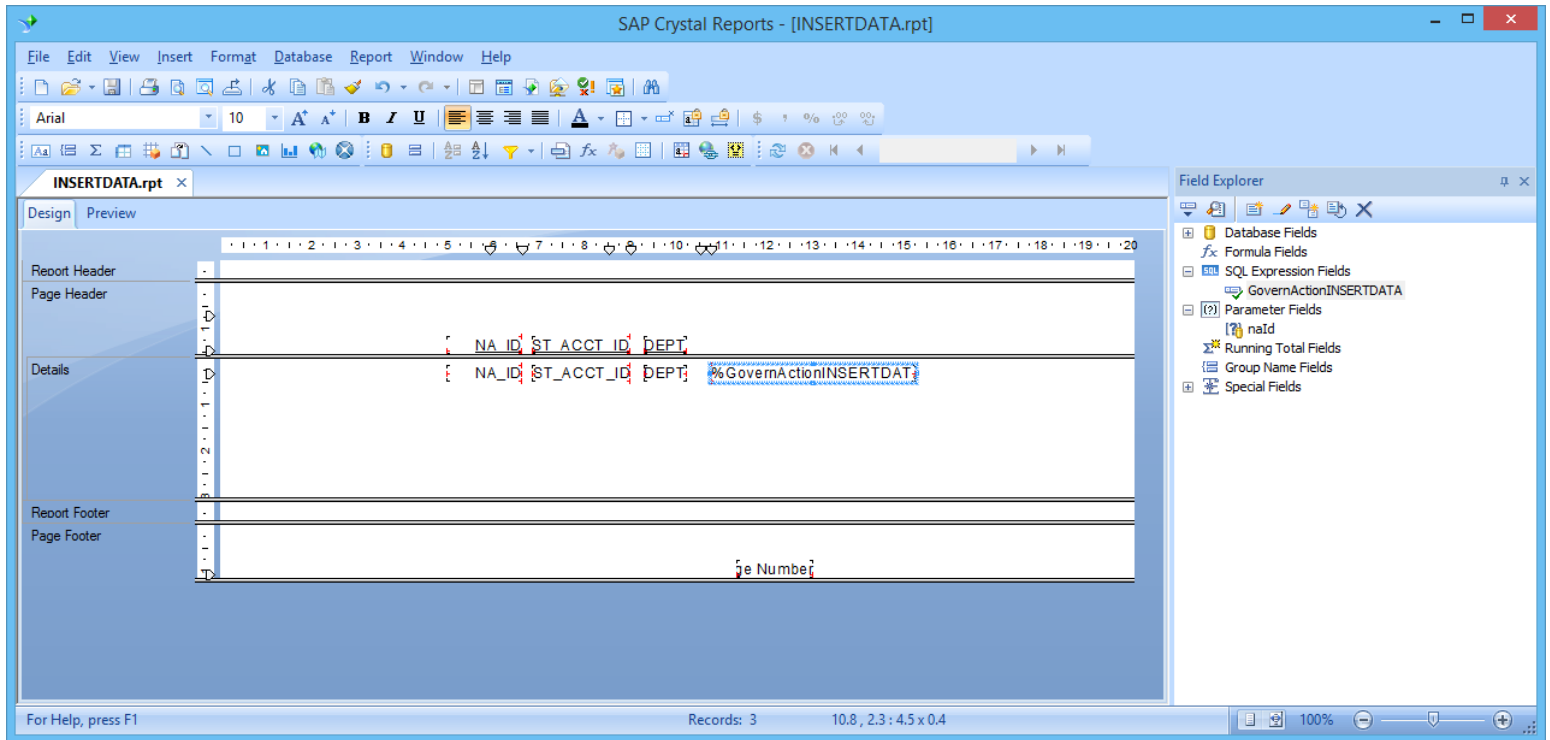
The value must be a string with the given format: **TABLE=tablename;COLUMN1=123;COLUMN2=456**

Ex:TABLE=ST_EVENT_HIST;ST_ACCT_ID=10010;EVENT_TYPE=Report Audit;EVENT_DATE=2016-08-25;EVENT_NOTES=Create with Govern Action INSERTDATA;EVENT_STATUS=Closed;EVENT_CLOSED=-1

Setup in Crystal Reports

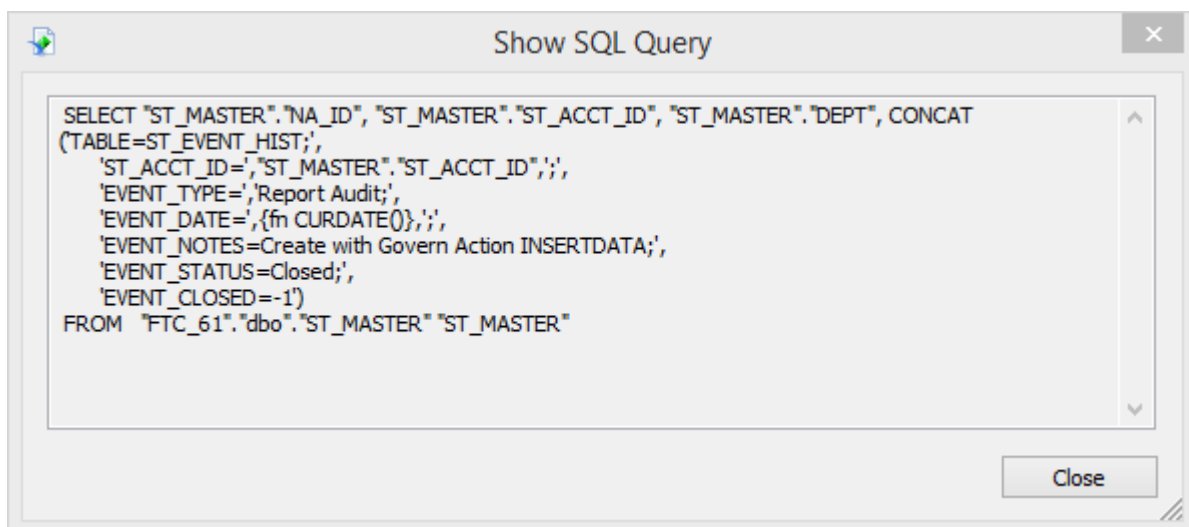
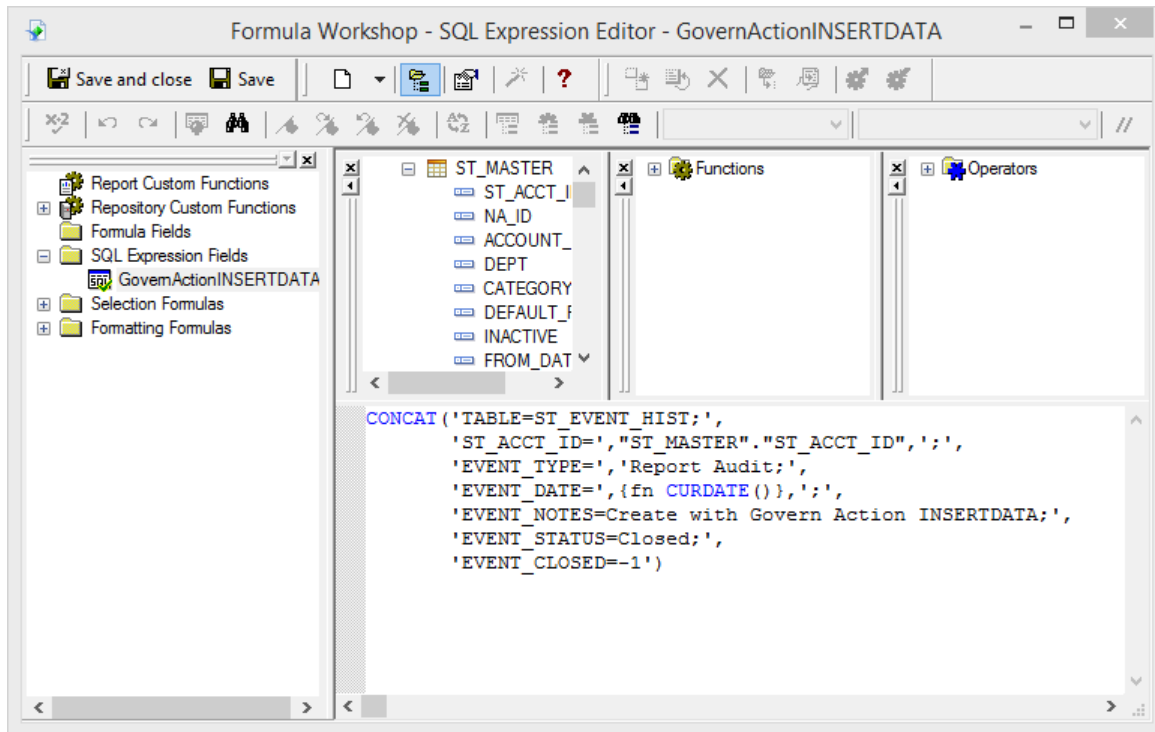
Report Object Type

In Crystal Reports you will need to create an **SQL Expression** for each action you wish to be executed.



Value

You must setup the SQL Expression in an way the it will return an VARCHAR. The SQL Expression is like an SQL SELECT clause, it will be added as a field in the Report SQL Query.

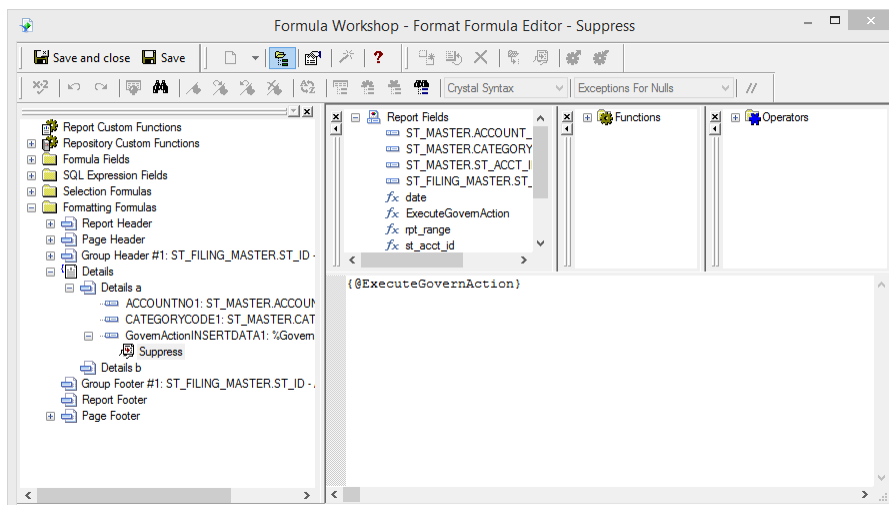
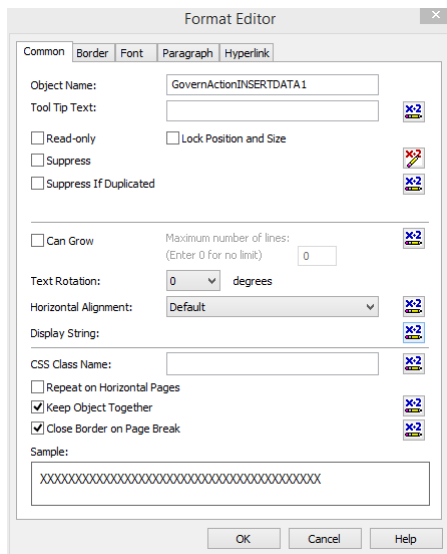


'Suppress' Field Property

To hide the Govern Action data from the report generation we will use the 'Suppress' field property on any Govern Action (SQL Expression object) place on the report. We need to bind the 'ExecuteGovernAction' Formula Field value to the 'Suppress' value. This way we will be able to execute the Govern Action but the data will be hide in any Exportation/View.

To do so:

1. Right-Click on the SQL Expression object (in the report page)
2. Select 'Format Field'
3. Go to the 'Common' Tab
4. Click the 'X-2' button near the 'Suppress' Property
5. Double-Click on the 'ExecuteGovernAction' object in the 'Report Fields' section
6. Click 'Save and close'



Specific Requirement

- The Formula Field 'ExecuteGovernAction' must exist
- The SQL Expression object 'Suppress' property must be binded to the 'ExecuteGovernAction' Formula Field

A Crystal Reports report cannot contains Govern Action and have parameters and be executed in Govern (Viewer). The parameters value need to be passed before the Govern Actions execution and there is no parameters management right in Govern for Crystal Reports

But it still can be executed via a Batch Process in Govern or in the Scheduler and still contains parameters. The parameters values must be configured before in the Batch Process Editor.