

Cold Fusion Report Builder: New wizardry for MX 7

ColderFusion User Group Presentation 3/2/2005 by Roy Hallanger

1. Enable Report Builder
 - a. Install ColdFusion MX7
 - b. Open ColdFusion Administrator
 - i. Configure datasources
 - ii. Click the Resources button
 - iii. Install Report Builder
 - iv. Install Dreamweaver MX7 code extensions (if using Dreamweaver)
2. Launch Report Builder
 - a. Configure RDS Servers (Edit menu)
 - b. Use wizard to build report
 - i. Build query
 - ii. Test and save query
 - iii. Follow wizard instructions
 1. Select fields to be used
 2. Select grouping levels if any
 3. Select report format
 - iv. Save report (reportname.cfr) in webroot
 - v. Preview report
 - vi. Make changes as necessary, save again.
3. Create ColdFusion template (example below)
 - a. To use dynamic content in query, copy query from Report Builder's Query Builder
 - b. Paste into ColdFusion template as below, substituting dynamic content for static content.
 - c. Use <cfreportparam> tag as below to insert dynamic content into report OUTSIDE OF the query (such as in a report header)

Print A Route Summary using the ColdFusion Report Builder.

Enter First Route: 201
Enter Last Route: 203
Enter Report Name: I made this!
Submit Query

Minneapolis Public Schools Department of Transportation Services
Route Summary I made this!
2 March 2005

Route 201

Run	Description	Beg Time	End Time	Load	Miles	To/From	Bell Time	Slack
298.008	INTERDIST 8 IN	7:32 AM	8:25 AM	28	11.24	1	8:35 AM	0
304.003	FOLWELL 3 IN	8:36 AM	9:15 AM	39	7.97	1	9:30 AM	7
105.301	BANCROFT 1 HIGH-FIVE OUT	10:45 AM	11:18 AM	5	7.76	2	10:40 AM	87

Filename: TestRouteSummary.cfm
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Overview: Demonstrate New CF Report Builder using a dynamically generated query.

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<title>Route Summary Example</title>
<h1>Print A Route Summary using the ColdFusion Report Builder.</h1>
<br />

</head>

<body>

<cfform action="TestRouteSummary.cfm" method="post">
  <!-- Text boxes below allow user to enter route range for report --->
  Enter First Route: <cfinput name="FirstRoute" type="text" size="3" maxlength="3" required="yes">
  <br />
  Enter Last Route: <cfinput type="text" name="LastRoute" maxlength="3" required="yes" size="3">
  <br />
  <!-- Text box for report name is used in cfreportparam tag below, and prints on report header --->
  Enter Report Name: <cfinput type="text" name="ReportName" maxlength="25" required="no" size="25">
  <br />
  <input name="SubmitIt" type="submit" />
  <br />
</cfform>

<cfif isdefined("form.FirstRoute") and isdefined("form.LastRoute") and isdefined("form.ReportName")>
  <!-- True if submit button was pressed --->
  <cfquery datasource="StuLode" name="QRouteSummary">
    <!-- Query below copied from CF Report Builder, modified with form values in WHERE clause
    --->
    SELECT RUNS.RUN_ID___, RUNS.TIME_BEG___, RUNS.TIME_END___,
    RUNS.ASSIG_LOAD, RUNS.RUN_DESC___, RUNS.LD_MILES___, RUNS.TO_FROM___, RUNS.DEST_TIME___,
    RTETRN.ROUTE_ID___, RTETRN.RUN_SEQ___, RTETRN.SLACK_____
    FROM RUNS, RTETRN
    WHERE RUNS.RUN_ID___ = RTETRN.RUN_ID___
    AND (RTETRN.ROUTE_ID___ BETWEEN '#FirstRoute#' AND '#LastRoute#') AND
    RUNS.RUN_ID___ NOT LIKE '-%'
    ORDER BY RTETRN.ROUTE_ID___, RTETRN.RUN_SEQ___
  </cfquery>
  <cfreport template="RouteSummary1.cfr" format="pdf" query="QRouteSummary">
    <!-- cfreport does all the work. It substitutes above query for the query built in the report. If no query is
    specified, it uses the query in the report template. --->
    <cfreportparam name="ReportName" value="#Form.ReportName#">
    <!-- cfreportparam puts form value into report --->
  </cfreport>
</cfif>

</body>
</html>
```