

Dumping CFQUERY (in ColdFusion 8)

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I just learned something new about CFQUERY, so I thought I'd share it. Now don't get excited. This is something that I'm guessing many of you already know, but I think it's cool nonetheless.

If you do a CFDUMP of a query, only in CF8 I believe, you don't just see the contents of the query, you can also see some interesting facts about the query as well. So, if I run the following code:

```
<cfquery name="qryResult" datasource="myDSN">

  SELECT DISTINCT ProductId, ProductCode, ActiveFlag
  FROM tblProduct
  WHERE ProductId IS NOT NULL
  AND Level1CategoryId =
    <cfqueryparam cfsqltype="cf_sql_integer" value="1" />
  AND Level2CategoryId =
    <cfqueryparam cfsqltype="cf_sql_integer" value="15" />
  AND Level3CategoryId =
    <cfqueryparam cfsqltype="cf_sql_integer" value="17" />
  ORDER BY ActiveFlag DESC, ProductId

</cfquery>

<cfdump var="#qryResult#">
```

query			
RESULTSET	query		
		ACTIVEFLAG	PRODUCTCODE
		PRODUCTID	
	1	1	TA-137
	2	1	TA-143
	3	1	TV--567
	4	1	TA-161
	5	1	TD-312
	6	1	TD-322
	7	0	TA-130
	8	0	TA-131
	9	0	TA-132
	10	0	TA-104
	11	0	TA-134
	12	0	TA-107aa
CACHED	false		
EXECUTIONTIME	94		
SQL	SELECT DISTINCT ProductId, ProductCode, ActiveFlag FROM tblProduct WHERE ProductId IS NOT NULL AND Level1CategoryId = ? AND Level2CategoryId = ? AND Level3CategoryId = ? ORDER BY ActiveFlag DESC, ProductId		
SQLPARAMETERS	array		
	1	1	
	2	15	
	3	17	

I see:

So evidently the query object is made up of a number of other objects, one of which is the actual query ResultSet. What I found interesting about this is that you cannot actually use any of that information. If you try to refer to qryResult.ResultSet or qryResult.SQL ColdFusion throws an error. So really, you can only see that information via CFDUMP. And, if you want to use the ResultSet, as we all know, you just refer to the query itself. I guess that internally ColdFusion knows that when a template asks for qryResult, it's really asking for the ResultSet that's stored in qryResult.

My investigation into this also revealed to me that ColdFusion MX 7 added the result attribute to the CFQUERY tag, which does allow you to gain access to all of this information (except ResultSet, of course). For example, if I run this code:

```
<cfquery name="qryResult" datasource="myDSN" result="#strResult#">

    SELECT DISTINCT ProductId, ProductCode, ActiveFlag

    FROM tblProduct

    WHERE ProductId IS NOT NULL

    AND Level1CategoryId = <cfqueryparam cfsqltype="cf_sql_integer" value="1" />

    AND Level2CategoryId = <cfqueryparam cfsqltype="cf_sql_integer" value="15" />

    AND Level3CategoryId = <cfqueryparam cfsqltype="cf_sql_integer" value="17" />

    ORDER BY ActiveFlag DESC, ProductId

</cfquery>

<cfdump var="#strResult#">
```

struct									
CACHED	false								
COLUMNLIST	ACTIVEFLAG,PRODUCTCODE,PRODUCTID								
EXECUTIONTIME	94								
RECORDCOUNT	12								
SQL	SELECT DISTINCT ProductId, ProductCode, ActiveFlag FROM tblProduct WHERE ProductId IS NOT NULL AND Level1CategoryId = ? AND Level2CategoryId = ? AND Level3CategoryId = ? ORDER BY ActiveFlag DESC, ProductId								
SQLPARAMETERS	<table><tr><th colspan="2">array</th></tr><tr><td>1</td><td>1</td></tr><tr><td>2</td><td>15</td></tr><tr><td>3</td><td>17</td></tr></table>	array		1	1	2	15	3	17
array									
1	1								
2	15								
3	17								

I see:

I didn't even know about that new result attribute until I stated digging into this issue. So, what does all of this mean? Well, if you didn't already know about the result attribute, perhaps you can think of some uses for it. And if your CFDUMP of a query doesn't look the way you expected, don't be scared like me, just chock it up to CF8.