

## Weird SqlDataReader: Invalid attempt to read when no data is present.

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I'm having a strange problem with the SqlDataReader and it is as follows. First of all I have a stored procedure called sr\_companies, it searches a table for entries matching the given criteria. When I execute the stored procedure using the Query Analyser (exec sr\_company @Type=40) I get a list of matching rows. I know my stored procedure is working ok.

I used the SQL Profiler to see how the stored procedure was being invoked and it was ok. I also used the same invocation shown in the Profiler within the SQL Query analyser and got results (i.e. hits).

But then... when I execute the code that reads from the data reader it craps out as soon as it attempts to read the first column. It throws a System.InvalidOperationException with the following message: " Invalid attempt to read when no data is present."

I know that the query returns hits. The data reader object's HasRows property returns true. I can also use the r.GetOrdinal("columnname") method to obtain the field number of the particular column within the result set, all 7 of them. This means it knows what it is being returned. But it still escapes me WHY it says there is no data when the query actually returns hits!!! it even says it "has rows" in the result!!! Here is what I do:

```
// setup a connection
SqlConnection dbConn = new...

// setup a command to execute the stored procedure
SqlCommand dbCmd;
dbCmd = new SqlCommand("sr_companies", dbConn);
dbCmd.CommandType = CommandType.StoredProcedure;

// add the search criteria required in the parameter
SqlParameter dbPar = dbCmd.Parameters.Add("@Type", SqlDbType.TinyInt);
dbPar.Value = 40;

// Obtain a data reader provided by execution of the query
```

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```
dbConn.Open();
SqlDataReader r = dbCmd.ExecuteReader();
// is r.RecordsAffected valid at this moment? or only after a r.Close() ???
if (r.HasRows)
{ // it is coming here, so HasRows is true for the sample query. Omitting
loop for clarity...
    int colnr = r.GetOrdinal("CompanyName"); // this also returns the
correct value
    string name = r.GetString(colnr); // CRAPS OUT...
    System.InvalidOperationException
        :
}

// read data

// close
r.Close();
dbConn.Close();
```

so, I really don't know why it does not do it. It says it has rows, the connection is open because the reader is not closed yet, the stored procedure executes properly, the search criteria given actually produces at least one row of results. I only need forward access, that is why I am using a Data Reader rather than a DataSet.

Regards,  
Emilio