

JDBC DatabaseMetaData getIndexInfo() returning null values

Source:

<http://www.tech-archive.net/Archive/SOL-Server/microsoft.public.sqlserver.jdbcdriver/2005-12/msg00022.html>

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Using the DatabaseMetaData class s method getIndexInfo seems to be returning some strange information for the first result set object. For example after creating a database with one table and one index, then connecting to it, getting the meta data and calling getIndexInfo() I get the following results

```
TABLE_CAT : TestDataBase
TABLE_SCHEM : dbo
TABLE_NAME : Test
NON_UNIQUE : false
INDEX_QUALIFIER : null
INDEX_NAME : null
TYPE : 0
ORDINAL_POSITION : 0
COLUMN_NAME : null
ASC_OR_DESC : null
CARDINALITY : 0
PAGES : 0
```

```
TABLE_CAT : TestDataBase
TABLE_SCHEM : dbo
TABLE_NAME : Test
NON_UNIQUE : 1
INDEX_QUALIFIER : Test
INDEX_NAME : IDX_Test
TYPE : 3
ORDINAL_POSITION : 1
COLUMN_NAME : ColumnA
ASC_OR_DESC : A
CARDINALITY : null
PAGES : null
```

as you can see from above, the output for the first result set object contained some strange values (null for INDEX_NAME etc). Is there any reason for this or am I simply doing something wrong.

below is the sql used to created the database and the java class used to generate the output above.

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SQL Statments

=====

```
CREATE DATABASE TestDataBase
CREATE TABLE Test(
ColumnA varchar(20) default 'This Is A Test',
ColumnB int
)
CREATE INDEX IDX_Test on Test(ColumnA)
```

Java Class

=====

```
import java.sql.*;

public class IndexInfoTest {

public IndexInfoTest() {
Connection objConn = null;
String strDBName = "jdbc:microsoft:sqlserver://localhost:"+
"1433;databaseName=TestDataBase";
String strUserName = "tcuser";
String strPassword = "tcuser";
String strDriverName = "com.microsoft.jdbc.sqlserver.SQLServerDriver";

try
{
Class.forName(strDriverName);

//get Connection
objConn =
DriverManager.getConnection(strDBName,strUserName,strPassword);

//get Meta Data
DatabaseMetaData objDBMetaData = objConn.getMetaData();

//getIndexInfo from Meta Data
ResultSet objResSet =
objDBMetaData.getIndexInfo(null,null,"Test",false,true);

//get the ResultSetMetaData
ResultSetMetaData objRSMD = objResSet.getMetaData();

//get the total columns in ResultSetMetaData
int intTotalColumns = objRSMD.getColumnCount();

//loop through printing off the result set objects
while(objResSet.next())
{
for(int i =1; i < intTotalColumns; i++)
```

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```
System.out.println(objRSMD.getColumnname(i)+" :  
"+objResSet.getString(i));
```

```
System.out.println("");  
}  
}
```

```
catch(Exception e){  
e.printStackTrace();  
}finally{  
try  
{  
if(objConn!=null) objConn.close();  
  
}catch(Exception e){e.printStackTrace();}  
}  
}
```

```
//main method  
public static void main(String args[]){  
IndexInfoTest iit = new IndexInfoTest();  
}  
}
```

we are using the following system setup

Driver Name : com.microsoft.jdbc.sqlserver.SQLServerDriver, SP 3, Version
2.2.0040

Java Version : Sun Micro Systems JDK 1.5.0_05

Operating System : Microsoft Windows Server 2003

SQL Server Version : Microsoft SQL Server 2000 SP4

Any help with this would be gratefully appreciated,

Adam

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• *Follow-Ups:*

- ◆ **[Re: JDBC DatabaseMetaData getIndexInfo\(\) returning null values](#)**

◇ *From:* Sue Purkis

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