

Re: accessing data mining model via web/PDA

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.datamining/2005-02/0049.html>

wjfoo83_at_hotmail.com

Date: 02/17/05

Date: Thu, 17 Feb 2005 08:53:25 -0800

1st of all before i can answer these questions, i realized that my registry do not have msolap registered at [HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\MSSQLServer\Providers\MSOLAP],

2nd, i cant run <http://localhost/msolap.asp> on my server. i had followed instructions provided by msdn, but still cannot find any soltuions, can anyone help?

>-----Original Message-----

>Some questions:

>1. What error is reported if you run the prediction query?

>2. Is your OPENROWSET clause connecting to a SQL Server 2000 database?

>3. Are you sending the query from a client app running on the same machine

>that's hosting your Analysis Server?

>4. Is your SQL Server instance running on the same machine as your Analysis

>Server?

>5. Is your SQL Server instance set up to use standard (SQL) security with

>username/password or Windows (integrated)security?

>

>

>--

>Raman Iyer

>SQL Server Data Mining

>[Please do not send email directly to this alias. This alias is for

>newsgroup purposes and is intended to prevent automated spam. This posting

>is provided "AS IS" with no warranties, and confers no rights.]

>..

>

>"Jacky Foo" <wjfoo83@hotmail.com> wrote in message

>news:00f301c512d4\$a81da910\$a601280a@phx.gbl...

>> *thanks for justifying me, i was confused with dmx and mdx.*

>> *dmx code is quite rare and hard to find on the web.*

>> *anyway, the DMSSample is quite useful for me to come out with my codes.*

>>

>> *with the openrowset that you have mentioned, let say i need to query data from a model which i had processed in the AS, what would be the openrowset argument?*

>>

>> *i couldnt retrieve data from the model in the AS with the openrowset arguments which you have gave me even i changed to the respective db name and server name. i believe there is something wrong with my code.*

>>

>>

>> *SELECT t.PRODUCT_NAME,*

>> *t.PRODUCT_PRICE_RANGE,t.PRODUCT_PURPOSE,t.SPEED_RANGE*

>> *FROM test*

>>

>> *PREDICTION JOIN*

>> *OPENROWSET('SQLOLEDB.1',*

>> *'Provider=SQLOLEDB.1;Integrated Security=SSPI;Persist Security*

>> *Info=False;Initial Catalog=computer2;Data Source=johnboy',*

>> *'SELECT PRODUCT_ID, PRODUCT_PRICE_RANGE, PRODUCT_NAME, SPEED_RANGE, PRODUCT_PURPOSE FROM PRODUCT') AS t*

>> *ON test.PRODUCT_PRICE_RANGE = t.PRODUCT_PRICE_RANGE*

>> *AND test.PRODUCT_PURPOSE = t.PRODUCT_PURPOSE AND*

>> *test.SPEED_RANGE = t.SPEED_RANGE*

>> *WHERE*

>> *t.PRODUCT_PRICE_RANGE = '\$2501-\$5000'*

>> *AND t.PRODUCT_PURPOSE = 'SERVER'*

>> *AND t.SPEED_RANGE = '2.1GHZ - 3.0GHZ'*

>>

>>

>>

>> *sorry for the last question, what i meant was the ADOMD.net connectivity inside my mobile application.*

>> *the following connection was given by Jamie. i need some help for the connection string, let say to access the mining model in the AS.*

>>

>> *AdomdCommand cmd;*

>> *AdomdConnection con;*

>>

>> *con.ConnectionString = MyConnectionString;*

```
>> con.Open();
>> cmd.Connection = con;
>> cmd.CommandText = MyQueryString;
>>
>> AdomdDataReader dataReader=cmd.ExecuteReader();
>> while(dataReader.Read())
>> {
>> // Access row data
>> }
>> dataReader.Close();
>> con.Close();
>>
>>
>> >-----Original Message-----
>> >Yes, it should work and have the same result.
>> >BTW, the sample you sent is not MDX, but DMX. MDX is
the
>> multidimensional
>> >language for our OLAP server, while DMX is the Data
>> Mining Extension
>> >language.
>> >An openrowset statement can be graphically created and
>> tested in DMSample.
>> >Use the "New Open Rowset" button on the right side of
the
>> trr containing the
>> >mining models to create an OPENROWSET statement
>> >
>> >For the openrowset parameter:
>> > OpenRowset takes 3 parameters. The first is the
>> provider name, the
>> >second is the connection string while the 3rd is the
>> query to be executed.
>> > For connecting to SQL Server 2000, OPENROWSET may
>> look like below:
>> >OPENROWSET
>> >(
>> >'SQLOLEDB.1',
>> >'Provider=SQLOLEDB.1;Integrated Security=SSPI;Persist
>> Security
>> >Info=False;Initial Catalog=TheDatabaseName;Data
>> Source=TheSQL2000Server',
>> >'SELECT Name, Value FROM Table'
>> >)
>> >
>> >
>> >I do no understand your last question:
>> >> if the connection need to be made on the analysis
server
>> >> thru asp.net by using ADOMD, wat is the connection
```

>> *string*
>> >> *that is required?*
>> >>
>> >
>> >Are you interested in the connection string for ADOMD,
>> i.e. the one for the
>> >data mining query? Or the connection string to be
>> included in the OPENROWSET
>> >statement?
>> >
>> >
>> >---
>> >---
>> >---
>> >This posting is provided "AS IS" with no warranties,
and
>> confers no rights.
>> >Please do not send email directly to this alias. It is
>> for newsgroup
>> >purposes only.
>> >
>> >thanks,
>> >bogdan
>> >
>> >"Jacky Foo" <wjfoo83@hotmail.com> wrote in message
>> >news:2dfe01c512bf\$b804c120\$a601280a@phx.gbl...
>> >> this was the sample mdx which i have created in
DMSamp
>> >> application, it was created successfully. if i would
use
>> >> the ADOMD command to execute this statement as the
>> command
>> >> text, will it work & hv the same result?
>> >>
>> >> wat is the openrowset argument if i need to take data
>> from
>> >> analysis manager or sql 2000 server?
>> >>
>> >> if the connection need to be made on the analysis
server
>> >> thru asp.net by using ADOMD, wat is the connection
>> string
>> >> that is required?
>> >>
>> >> any help will do, thanks!
>> >>
>> >> Create Mining Model test
>> >> (
>> >> PRODUCT_ID text key,
>> >> PRODUCT_PRICE_RANGE text discrete,
>> >> PRODUCT_NAME text discrete predict,

```
>>> SPEED_RANGE text discrete,  
>>> PRODUCT_PURPOSE text discrete  
>>> ) using microsoft_decision_trees  
>>>  
>>> Insert Into test  
>>> (PRODUCT_ID, PRODUCT_PRICE_RANGE, PRODUCT_NAME,  
>>> SPEED_RANGE, PRODUCT_PURPOSE)  
>>> OPENROWSET('Microsoft.Jet.OLEDB.4.0',  
>>> 'data source=NEWComputer.mdb',  
>>> 'SELECT PRODUCT_ID, PRODUCT_PRICE_RANGE,  
PRODUCT_NAME,  
>>> SPEED_RANGE, PRODUCT_PURPOSE FROM PRODUCT')  
>>> SE,t.SPEED_RANGE  
>>> FROM test  
>>>
```

```
>>> >-----Original Message-----  
>>> >MDX at sqlserverdatamining.com? Not possible.
```

There

```
>>> should be only DMX  
>>> >samples querying models there not MDX samples  
querying  
>>> cubes. Look at the  
>>> >DataValidation sample application which queries a  
>>> clustering model from a  
>>> >web page. This should be pretty much exactly what  
you  
>>> want. The running  
>>> >sample plus the source code are both on the site.
```

The

```
>>> sample is SQL 2005,  
>>> >but the methodology is the same  
(PredictCaseLikelihood  
>>> is  
>>> a SQL 2005 only  
>>> >function)  
>>> >  
>>> >You can also use ADO.Net instead of ADOMD.Net to  
query  
>>> the Analysis Server  
>>> >as well as long as the OLEDB provider is on your IIS  
>>> box.  
>>> >  
>>> >---  
>>> >  
>>> >--Jamie MacLennan  
>>> >SQL Server Data Mining  
>>> >This posting is provided "AS IS" with no warranties,  
>>> and  
>>> confers no rights.  
>>> >"Jacky" <wjfoo83@hotmail.com> wrote in message  
>>> >news:120201c4fb8a$1f434f20$a301280a@phx.gbl...
```

>> >> >> *Thanks for the consistent reply.*
>> >> >>
>> >> >> *The page that i will develop on client's PDA will
be
>> >> using
>> >> >> ASP.net. The website which you have recommended me
>> >> >> <http://www.sqlserverdatamining.com> really helps,
but
>> the
>> >> >> MDX samples were focused on querying the cubes
>> instead
>> >> of
>> >> >> the result from the Decision Tree.
>> >> >>
>> >> >> I have read thru several books but none of them
>> provide
>> >> >> details on OLEDB and ADOMD. What they mentioned
was
>> just
>> >> >> the concept.
>> >> >>
>> >> >> I hope there are more sample codes or application
>> which
>> >> >> assist my development. Thanks!
>> >> >>
>> >> >>
>> >> >> >-----Original Message-----
>> >> >> >The easiest way off the top of my head is to use
>> XMLA –
>> >> >> I'll ask around to
>> >> >> >see if there is a PDA client for XMLA that you
can
>> use.
>> >> >> In the meantime, you
>> >> >> >can always write your own webservice in IIS that
>> >> queries
>> >> >> the model on behalf
>> >> >> >of your PDA and returns the result to the PDA.
The
>> >> >> webservice function
>> >> >> >would open a connection to the Analysis Services
>> >> server,
>> >> >> create a command
>> >> >> >object, execute a DMX query and return the
result to
>> >> the
>> >> >> client. Given the
>> >> >> >frequency of calls to the server, you will likely
>> want
>> >> to
>> >> >> perform some kind*

>> >> >> >of connection pooling as opening the connection
can
>> be
>> >> >> expensive.
>> >> >> >
>> >> >> >Let me know if this helps
>> >> >> >
>> >> >> >
>> >> >> >
>> >> >> >--
>> >> >> >
>> >> >> >--Jamie MacLennan
>> >> >> >SQL Server Data Mining
>> >> >> >This posting is provided "AS IS" with no
warranties,
>> >> and
>> >> >> confers no rights.
>> >> >> >"Jacky" <Jacky@discussions.microsoft.com> wrote
in
>> >> message
>> >> >> >news:F84D18C8-F26C-4628-914C-
>> >> ED6A75C045B2@microsoft.com...
>> >> >> >> here are some short description:
>> >> >> >>
>> >> >> >> there is a decision tree in my sql 2000 server,
>> from
>> >> >> this tree, i need to
>> >> >> >> get the decision or result so that it will be
>> display
>> >> >> in my PDA. for
>> >> >> >example:
>> >> >> >> the tree will determine the all the CPU which i
>> >> >> requested, the data of the
>> >> >> >> CPU will be displayed in my PDA. is this sample
>> clear
>> >> >> enough?
>> >> >> >>
>> >> >> >> i m still a beginner in this DM tool, i guess i
>> need
>> >> >> more advice and
>> >> >> >> suggestions in order for me to understand all
the
>> >> steps
>> >> >> well. thanks!
>> >> >> >>
>> >> >> >> "Jamie MacLennan (MS)" wrote:
>> >> >> >>
>> >> >> >> > Can you provide more details on exactly what
you
>> >> want
>> >> >> on the PDA? It's

>> >> >> >> > fairly easy to get results to a web page, so
you
>> >> can
>> >> >> simply display that
>> >> >> >web
>> >> >> >> > page on a PDA. Mining models can be access
>> through
>> >> >> OLEDB, ADO,
>> >> >> >ADOMD.Net or
>> >> >> > XMLA
>> >> >> >> >
>> >> >> >> > For example, you can check out the XMLA Thin
>> Miner
>> >> >> sample and other
>> >> >> >samples
>> >> >> >> > at <http://www.sqlserverdatamining.com>. The
Data
>> >> >> Validation sample
>> >> >> >provides
>> >> >> >> > some easy to use source code. Although these
>> >> samples
>> >> >> are for SQL 2005,
>> >> >> >the
>> >> >> >> > basic concepts of how to connect and retrieve
>> data
>> >> >> from the server are
>> >> >> >the
>> >> >> >> > same.
>> >> >> >> >
>> >> >> >> > --
>> >> >> >> >
>> >> >> >> > -Jamie MacLennan
>> >> >> >> > SQL Server Data Mining
>> >> >> >> > This posting is provided "AS IS" with no
>> >> warranties,
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>> >> >> >> > "Jacky" <wjfoo83@hotmail.com> wrote in
message
>> >> >> >> > news:132f01c4f742\$546cb890
\$a501280a@phx.gbl...
>> >> >> >> >> > hi, i m a beginner in handling data mining
>> >> analysis
>> >> >> >> >> > services for sql 2000. based on a decision
>> tree
>> >> >> model
>> >> >> >> >> > which i had created, i would like to
retrieve
>> >> back
>> >> >> the
>> >> >> >> >> > resulting data via web/PDA. is it possible

