

# Re: JDBC Driver Settings

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*Source:*

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.jdbcdriver/2005-05/msg00012.html>

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- *From:* "Shelby Goerlitz [MSFT]" <[shelbyg@xxxxxxxxxxxxxx](mailto:shelbyg@xxxxxxxxxxxxxx)>
  - *Date:* Wed, 4 May 2005 11:30:26 -0700
- 

Chinn:

The main tweak w/ cursor mode is the setFetchSize setting discussed below..

-shelby

Shelby Goerlitz  
Microsoft, SQL Server

"chinn" <[chinn@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:chinn@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
<news:93F68045-55C3-4276-AA2D-70B47877A26A@xxxxxxxxxxxxxxxxxxxx>

> Shelby

>

> Thanks Very Much For Explaining that.

> Are there any settings we can tweak when using SelectMethod=Cursor..IF so

> what are good and bad

>

>

> Thanks,

>

> "Shelby Goerlitz [MSFT]" wrote:

>

>> Chinn:

>>

>> Yes, this is correct -- see below a quote from the Connection String

>> Properties section of the docs.

>>

>> ===

>> Direct--The direct method sends the complete result set in one

>>

>> request to the driver. It is useful for queries that only produce a

>>

>> small amount of data that you fetch completely. You should avoid

>>

>> using direct when executing queries that produce a large amount

>>

>> of data, as the result set is cached completely on the client and

>>

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>> constrains memory. In this mode, each statement requires its own  
>>  
>> connection to the database. This is accomplished by "cloning"  
>>  
>> connections. Cloned connections use the same connection  
>>  
>> properties as the original connection; however, because  
>>  
>> transactions must occur on a single connection, auto commit  
>>  
>> mode is required. Due to this, JTA is not supported in direct mode.  
>>  
>> In addition, some operations, such as updating an insensitive  
>>  
>> result set, are not supported in direct mode because the driver  
>>  
>> must create a second statement internally. Exceptions generated  
>>  
>> due to the creation of cloned statements usually return an error  
>>  
>> message similar to "Cannot start a cloned connection while in  
>>  
>> manual transaction mode."  
>>  
>> ===  
>>  
>> -shelby  
>>  
>> Shelby Goerlitz  
>> Microsoft, SQL Server  
>>  
>>  
>>  
>> "chinn" <chinn@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>> [news:BDF3530D-CF92-43E6-85B2-9E0D0DAFF400@xxxxxxxxxxxxxxxxxxxx](mailto:news:BDF3530D-CF92-43E6-85B2-9E0D0DAFF400@xxxxxxxxxxxxxxxxxxxx)  
>> > Carb,  
>> >  
>> > But somebody is saying this..  
>> >  
>> > Is this correct..  
>> >  
>> > Microsoft JDBC driver doesn't support 'DIRECT' select mode for  
>> > XADatasources  
>> > (XA database connections). So we have to use cursor method.  
>> > When I tried to switch to Direct, App didn't start with the error that  
>> > 'direct' select method can not be used for XA Connections.  
>> >  
>> > thanks,  
>> >  
>> > ""Carb Simien [MSFT]"" wrote:  
>> >

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>> >>
>> >> -----
>> >> | Thread-Topic: JDBC Driver Settings
>> >> | thread-index: AcVKCoOrRDJWhsIWSTSRvlg4RITrKQ==
>> >> | X-WBNR-Posting-Host: 12.214.173.82
>> >> | From: "?Utf-8?B?Y2hpbm4=?" <chinn@xxxxxxxxxxxxxxxxxxxxxxxx>
>> >> | Subject: JDBC Driver Settings
>> >> | Date: Mon, 25 Apr 2005 19:49:06 -0700
>> >> | Lines: 20
>> >> | Message-ID: <7959E226-7B55-4C1E-BD44-F74307B59BF2@xxxxxxxxxxxx>
>> >> | MIME-Version: 1.0
>> >> | Content-Type: text/plain;
>> >> | charset="Utf-8"
>> >> | Content-Transfer-Encoding: 7bit
>> >> | X-Newsreader: Microsoft CDO for Windows 2000
>> >> | Content-Class: urn:content-classes:message
>> >> | Importance: normal
>> >> | Priority: normal
>> >> | X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.0
>> >> | Newsgroups: microsoft.public.sqlserver.jdbcdriver
>> >> | NNTP-Posting-Host: TK2MSFTNGXA03.phx.gbl 10.40.2.250
>> >> | Path: TK2MSFTNGXA01.phx.gbl!TK2MSFTNGXA03.phx.gbl
>> >> | Xref: TK2MSFTNGXA01.phx.gbl
>> >> microsoft.public.sqlserver.jdbcdriver:1049
>> >> | X-Tomcat-NG: microsoft.public.sqlserver.jdbcdriver
>> >> |
>> >> | Hello,
>> >> | I saw the below in one of settings..where do i find them and where
>> >> | are
>> >> | they
>> >> | defined..
>> >> |
>> >> |
>> >> | see lot of select statements with sp_cursoropen with thousands of
>> >> | reads
>> >> | in
>> >> | the
>> >> | profiler but if i take the query and run it in the QA it will be 1/4
>> >> | of
>> >> | those reads .I
>> >> | am wondering we will have to tweak somethings like you mentioned
>> >> | below.Could
>> >> | you help me to find out where i could find those settings like
>> >> | fetchsize
>> >> | and
>> >> | selectmode..
>> >> |
>> >> |
>> >> | If you do decide to use cursor mode with ResultSets defined as
>> >> | TYPE_FORWARD_ONLY and either CONCUR_READONLY or CONCUR_UPDATABLE,
>> >> | then
```

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>> >> you,  
>> >> | you can additionally test various values for the fetch size to tune  
>> >> the  
>> >> | performance. Otherwise, your fetch size will only be 1.  
>> >> |  
>> >> |  
>> >> |  
>> >> |  
>> >> |  
>> >> You can set the fetch size using the setFetchSize() method from your  
>> >> Statement/PreparedStatement/CallableStatement object. SelectMethod  
>> >> can  
>> >> be  
>> >> set to either Direct or Cursor, and this is done in the connection  
>> >> string:  
>> >>  
>> >> SelectMethod=cursor  
>> >>  
>> >> or  
>> >>  
>> >> SelectMethod=direct  
>> >>  
>> >> The default is Direct.  
>> >>  
>> >> Carb Simien, MCSE MCDBA MCAD  
>> >> Microsoft Developer Support – Web Data  
>> >>  
>> >> Please reply only to the newsgroups.  
>> >> This posting is provided "AS IS" with no warranties, and confers no  
>> >> rights.  
>> >>  
>> >> Are you secure? For information about the Strategic Technology  
>> >> Protection  
>> >> Program and to order your FREE Security Tool Kit, please visit  
>> >> <http://www.microsoft.com/security>.  
>> >>  
>> >>  
>>  
>>  
>>

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• *Follow-Ups:*

◆ **Re: JDBC Driver Settings**

◇ From: chinn

• *References:*

◆ **Re: JDBC Driver Settings**

Re: JDBC Driver Settings

◇ *From:* Shelby Goerlitz [MSFT]

◆ ***Re: JDBC Driver Settings***

◇ *From:* chinn

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