

# RE: Schema Change of a Progress DB causes Linked Server to Fail

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*Source:*

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.connect/2006-06/msg00021.html>

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  - *Date:* Tue, 06 Jun 2006 06:58:22 GMT
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Hi Brian ,

First, I still suggest you contact Progress for more information about this issue.

However, at SQL side, My suggestion is:

Check to see if the System DSN that was used to create the linked server is correct. If you used a provider string to configure the linked server, you must make sure that the driver name in the provider string is correct.

Also, you can check following article:

PRB: Distributed Queries Return Error 7356 with MSDAORA  
[http://support.microsoft.com/default.aspx?scid=kb;\[LN\];251238](http://support.microsoft.com/default.aspx?scid=kb;[LN];251238)

Hope this helps.

Best regards,

Vincent Xu  
Microsoft Online Partner Support

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Date: Mon, 05 Jun 2006 22:50:20 -0400  
Subject: Schema Change of a Progress DB causes Linked Server to Fail  
From: "Brian Drab" <kaplan@xxxxxxxxxxxxxxxx>  
Organization: Kaplan Trucking Company  
Content-Type: text/plain; format=flowed; delsp=yes; charset=iso-8859-15  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit  
Message-ID: <op.tapd560b14a6ot@xx>  
User-Agent: Opera M2/8.54 (Win32, build 7730)  
Newsgroups: microsoft.public.sqlserver.connect  
NNTP-Posting-Host: 69-165-32-14.clvdoh.adelphia.net 69.165.32.14  
Lines: 1  
Path:  
TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP01.phx.gbl!TK2MSFTNGP03.phx.gbl  
Xref: TK2MSFTNGXA01.phx.gbl microsoft.public.sqlserver.connect:47704  
X-Tomcat-NG: microsoft.public.sqlserver.connect

We use SQL Server 2000 and have a Linked Server to a Progress 9.1E Database. Everything works fine until a schema change is made in the Progress database. We then get an error message similar to the following:

```
OLE DB provider 'MSDASQL' supplied inconsistent metadata.  
An extra column was supplied during execution that was not found at  
compile time.[Non-interface error: OLE DB provider returned an extra  
column at execution time: ProviderName='MSDASQL',  
ColumnName=<column  
name>',  
Rowset="pub"."tablename"]."
```

After researching this at the progress site I did find an article

(P35634)

that basically explains the following cause and fix.

Cause:

Microsoft Linked Server instance caches metadata for faster query resolution. This does not get properly refreshed when the Progress Database resides on a remote server. If Progress Database resides on the same machine as Linked Server instance, problem does not occur.

Fixes:

Drop and readd Linked Server instance in the Enterprise Manager. Contact Microsoft for more information.

We do Drop and readd the Linked Server however the same problem persists.

What am I missing? Is there a different way to delete the cache and force

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a refresh of the linked server?

Thank you.