
Subject: Re: database access using JAVA or COM
Posted by [Rick Towler](#) on Mon, 14 Aug 2006 23:45:30 GMT
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Rick Towler wrote:

- > Has anyone made any database connectivity tools publicly available? I
- > know that Mike Wallace has done a lot of work with the IDL-Java bridge
- > and JDBC but I don't think he has released anything. I have worked with
- > the ADODB COM object and plan to experiment with it in IDL this
- > afternoon but ideally someone will have already done this :)

An update:

IDLcomIDDispatch seems to still suffer from partial implementation. It is.
Certain methods work and certain properties are accessible, but other
properties and methods don't work and fail with unspecified errors.

```
cstring='Provider=OraOLEDB.Oracle;Data Source=somedb;User ' + $  
    'Id=user;Password=pass'  
db = OBJ_NEW('IDLcomIDDispatch$PROGID$ADODB_Connection')  
db -> SetProperty, ConnectionString=cstring  
db -> Open  
db -> GetProperty, Provider=p, State=s  
  
print, p  
OraOLEDB.Oracle.1  
print, s  
1
```

So far so good. I was thinking I was home free...

```
rs = OBJ_NEW('IDLcomIDDispatch$PROGID$ADODB_RecordSet')  
sql = 'Select * from ship'  
rs -> Open, sql, db
```

```
% IDLCOMIDISPATCH$PROGID$ADODB_RECORDSET::OPEN: Unable to call method OPEN.  
<unknown system error>
```

Humm. Here's the interface definition:

```
[id(0x000003fe), helpcontext(0x0012c8d7)]  
void Open(  
    [in, optional] VARIANT Source,  
    [in, optional] VARIANT ActiveConnection,  
    [in, optional, defaultvalue(-1)] CursorTypeEnum CursorType,  
    [in, optional, defaultvalue(-1)] LockTypeEnum LockType,
```

[in, optional, defaultvalue(-1)] long Options);

O.K. How about something simpler:

rs -> GetProperty, Status=s

```
% IDLCOMIDISPATCH$PROGID$ADODB_RECORDSET::GETPROPERTY: Unable to access  
property STATUS.  
<unknown system error>
```

The interface definition:

```
[id(0x00000405), propget, helpcontext(0x0012c949)]  
long Status();
```

Doesn't get much simpler than that.

After writing a couple of wildly successful functions using COM+ADODB in MATLAB, I am left a bit underwhelmed with IDL's poor support for COM. I've been waiting for a working implementation of IDLcomIDispatch ever since it's release in 5.5. I must be the only one... :(

-Rick
