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:

IDLcomIDispatch seems to still suffer from partialimplementationitus. 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('IDLcomIDispatch$PROGID$ADODB_Connection')
db -> SetProperty, ConnectionString=cstring
db -> Open
db -> GetProperty, Provider=p, State=s
print, p
OraOLEDB.Oracle.1
print, s
So far so good. I was thinking I was home free...
rs = OBJ_NEW('IDLcomIDispatch$PROGID$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