

In This Issue

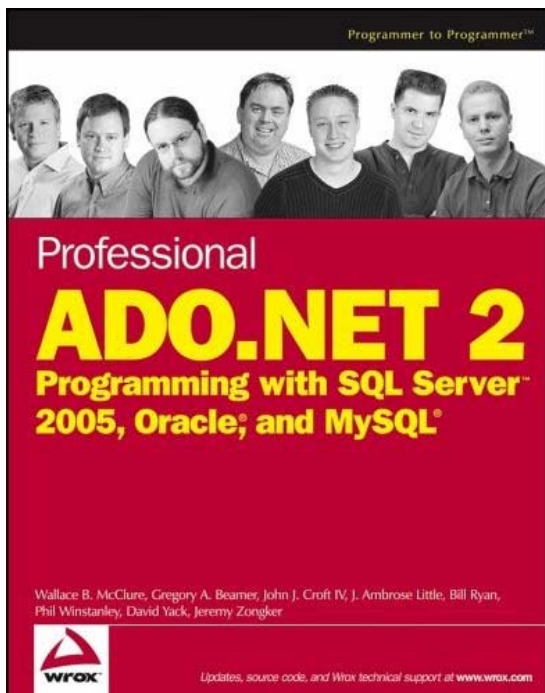
- An overview of the new book
- Wally comes up with a solution for converting AS400 graphics
- John gives an overview of open-source databases

Check Out the New Book!

By Luci Harrell

SDI co-founders John Croft and Wallace McClure are at it again! Today, we are proud to announce the release of their most recent book, *Professional ADO.NET 2: Programming with SQL Server 2005, Oracle, and MySQL*.

See New Book on Page 2



AS400/iSeries and .NET (ADO.NET)

By Wallace "Wally" McClure

I have been working with ADO.NET in order to communicate with the iSeries (AS400).

There are a couple of things that I have found out.

- You can use named parameters to call a stored procedure using V5R3 of the IBM Client Access Software.
- If you get an error like: "The stored procedure cannot be found in SYSPROCS. Unable to derive parameters." This most likely means that the necessary stored procedure to map the RPG program to an iSeries DB2 stored procedure is not there. Basically, if you can't see it in the IBM Operations Navigator, it doesn't exist. You will need to set that up. This may also be the case if you don't have the proper security to get at the stored procedure. Another common error that we got that was similar to the error above is:

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Open-Source Databases

By John Croft

While SQL Server and Oracle are well-established commercial databases that Bill Gates and Larry Ellison each believe provide the only genuine solution for data applications, there are other options. Not only do other databases exist, but many are freely available for download.

See Open-Source DB's on Page 2

AS400

SQL0204 OER4016A in DIST4000C type *N not found.

Description: An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about the error and where it originated in the code.

Exception Details:

IBM.Data.DB2.iSeries.iDB2SQLException:
SQL0204

OER4016A in
DIST4000C
type *N not
found.

“...if you can't see or do things there, then you can't do anything.”

- The iSeries uses a different set of terminology than Sql Server, Oracle, and other traditional client server databases. This is due to its legacy of being around before the widespread use of the sql language. As a result, the terminology is different. There are several items of interest to not. A "file" is a table. A "library" is a database. And on and on.
- Remember that you are going through the database subsystem when you use the iSeries .NET Data Provider. As a result, if you can't see or do things there, you can't do anything.

New Book

Though Croft and McClure do not work in .NET applications exclusively, they have made quite a name for themselves both locally and nationally in the .NET arena, and the publication of this book is a reflection of that.

This publication marks the second professional programming handbook from Croft and McClure. These two did not write alone this time, but with six other high level .NET developers, authors and Microsoft MVP's (Most Valuable Professionals).

Professional ADO.NET 2: Programming with SQL Server 2005, Oracle, and MySQL can answer all of your ADO.NET development questions. It is one of an ongoing series of programming books published by Wrox Press.

[Click here](#) to learn more, or purchase the book on [Amazon](#).

Open-Source DB's

MySQL leads the crowd as the perennial open-source favorite, holding the "M" position in LAMP (Linux, Apache, MySQL, Perl). Firebird, Ingres, and MaxDB – from Borland, Computer Associates, and SAP, respectively – represent a group of databases that were once commercial but are now open.

PostgreSQL, BerkeleyDB, and SQLite are quality

databases that have always been open and are well established among open-source advocates, although they may not be as well known outside of that community.

“Not only do other databases exist, but many are freely available for download.”

For more information about open-source databases and how they work with .NET 2.0, check out our book, *Professional ADO.NET 2: Programming with SQL Server 2005, Oracle, and MySQL*. In it, you'll find a chapter devoted to reviewing several popular open-source databases, the features that they provide, some sample code demonstrating fundamental capabilities of the available drivers for each, and references to relevant websites for the open-source database community.

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