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Subject: Re: Using SQL databases from IDL?

Posted by [lecacheux.alain](#) on Tue, 27 Nov 2012 09:04:28 GMT

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Le lundi 26 novembre 2012 00:47:00 UTC+1, Bogdanovist a écrit :

> Does anyone have experience using SQL databases from IDL? Note that I am referring to vanilla IDL without additional license requirements such as Dataminer. I have found, for instance, a package `idl-sql` (<http://code.google.com/p/idl-sql/>) that allows SQL queries from IDL, but I also would need to be able to write to the database, as well as read.

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> I currently use simple CSV files to store data however the kind of data queries I need to do means that I am effectively re-coding a relational database within my IDL project in order to be able to provide myself a simple interface to grab the relevant data at any point that is likely to be distributed across multiple files. Can I use an SQL database to avoid re-engineering that wheel or does IDL not play nice with this?

A general solution for accessing SQL databases may consist in using ODBC (or JDBC) universal drivers via IDL COM (or Java) bridges. That is likely the solution adopted in the "idl-sql" software. You can develop a more powerful solution, still by using IDL bridges, but by bypassing ODBC and directly accessing the driver specific to your particular database. In MS world, I am personally happy with the combination IDL(COM)bridge/Delphi from Embarcadero for accessing various SQL databases like Firebird, SQLserver or Oracle.

Another plain IDL solution would consist in accessing some Web service, if any does exist for your database. I mean a Web server able to transmit SQL query and deliver HTML data to and from a remote database server. In this case the `IDLnetURL` and `IDLffXMLSAX` IDL objects, as well as the new (8.2) `JSON_PARSE` and `JSON_SERIALIZE` functions are very appropriate.

alain.

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