
Subject: A list of SQL dialects to support (eventually)..

Posted by [mirek](#) on Wed, 09 Aug 2006 11:26:29 GMT

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As I have made important breakthrough in "sql dialect problem", I have become interested in the real number of SQL dialects we should support.

So far, my list goes like

```
enum {
  ORACLE, 1,
  SQLITE, 2,
  MYSQL, 4,
  MSSQL, 8,
  POSTGRESS, 16,
  FIREBIRD, 32,
};
```

Are there any other important RDBMS engines to support?

As for "breakthrough" - I have found a nice way how to keep dialect stored in Session object and keep SqlExp in the SIMPLE "universal" form, performing the final "compilation" for specific target dialect. (Note that important word here is SIMPLE - I knew how to do that the hard way before - SqlExp producing intermediate language that get compiled to final SQL commands - but that one would involve too much code).

The trick is to simply store all variants in SqlExp String together with some very simple if/else/endif codes (in the char range 1..31). Sounds stupid and simple, but took me 2 years to invent (Even more fun is that the resulting code is shorter than the current braindead dialect handling).

Mirek

Subject: Re: A list of SQL dialects to support (eventually)..

Posted by [zsolt](#) on Wed, 09 Aug 2006 12:05:31 GMT

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This sounds very good

I have only one comment:

The word POSTGRESS is not correct. It should be POSTGRES or POSTGRESQL, I think.

Subject: Re: A list of SQL dialects to support (eventually)..

Posted by [fudadmin](#) on Wed, 09 Aug 2006 14:21:18 GMT

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What about post-relational or OO DB SQL support?

<http://www.intersystems.com/index.html>

Subject: Re: A list of SQL dialects to support (eventually)..

Posted by [mirek](#) on Wed, 09 Aug 2006 14:33:04 GMT

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I knew it

Well, I know too little about OO SQL, but I am little bit afraid that it is simply a different kind of beast - therefore will need separate system to operate with (maybe not necessarily Sql, but quite likely SqlExp).

Mirek

Subject: Re: A list of SQL dialects to support (eventually)..

Posted by [mirek](#) on Wed, 09 Aug 2006 14:44:32 GMT

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Now checked, seems like Cache OO SQL is not that differnt - the only difference I see is table inheritance.

That could be easily supported by SqlExp. I am however afraid that using cache this way (without object part) is not what they intended

Mirek

Subject: Re: A list of SQL dialects to support (eventually)..

Posted by [unodgs](#) on Sat, 12 Aug 2006 12:41:32 GMT

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I think IMB DB2 should be on the list..

Subject: Re: A list of SQL dialects to support (eventually)..

Posted by [mirek](#) on Sat, 12 Aug 2006 13:19:06 GMT

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unodgs wrote on Sat, 12 August 2006 08:41 I think IMB DB2 should be on the list..

Yes.

Do you by any chance know how IBM DB2 interface looks like?

Mirek

Subject: Re: A list of SQL dialects to support (eventually)..

Posted by [unodgs](#) on Sat, 12 Aug 2006 14:32:30 GMT

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luzr wrote on Sat, 12 August 2006 09:19unodgs wrote on Sat, 12 August 2006 08:41I think IMB DB2 should be on the list..

Yes.

Do you by any chance know how IBM DB2 interface looks like?

Mirek

You mean native API? DB2 use CLI which is almost the same like ODBC interface. But it has OLEDB drivers too.

SQL dialect is SQL-92 if I remeber correctly with some enchacements.
