Subject: First Firebird for U++ steps
Posted by aldeacity on Fri, 18 Jul 2008 07:38:47 GMT

Hello,
  as I wrote, I'm interesting in Firebird for U++. So, I've starting developping of it. No I've made basic session and connection objects. It's basic now but It works!!!!
  At this moment, it connects and disconnects from databases and also begins, commits and executes querys and build columns information.
  All process are transactional, so if I execute a sentence, it will be look for a transaction open in session and if there isn't it'll use a transaction for that execute process.
  Now I'm working in Fetch and GetColumn functions.
  I hoppe it will be useful!!
Regards,
Juan.

Subject: Re: First Firebird for U++ steps
Posted by mirek on Sat, 19 Jul 2008 07:43:32 GMT

Good news, thanks!

Mirek

Subject: Re: First Firebird for U++ steps
Posted by Factor on Sun, 20 Jul 2008 09:26:45 GMT

Some times ago I've been working on a similar project. I've attached the two packages. It's not finished but works and maybe it can give some help. On linux you should use IBPP_LINUX instead of IBPP_WINDOWS. The decimal package contains a half made "custom" precision decimal class.

File Attachments
1) FireBird.zip, downloaded 429 times
2) Decimal.zip, downloaded 656 times

Subject: Re: First Firebird for U++ steps
Posted by aldeacity on Mon, 21 Jul 2008 12:32:35 GMT

Good work as I can see!
  It's bassed on IBPP (C++). I'm writting code using only Firebird development kit, so using C interface.

Perhaps it would be better to use and complete your code and not to re-write new code as I'm doing

What do you think about it?

Juan.

Subject: Re: First Firebird for U++ steps
Posted by mirek on Wed, 23 Jul 2008 08:31:22 GMT

aldeacity wrote on Mon, 21 July 2008 08:32
I'm writting code using only Firebird development kit, so using C interface.

If possible, please this is what we need...

Mirek

Subject: Re: First Firebird for U++ steps
Posted by aldeacity on Mon, 28 Jul 2008 08:21:36 GMT

Hello!

I'm coding basic FireBirdSession and FireBirdConnection objects. Until now, it's possible to connect to databases and to use basic operations. All is made using only Firebird development environment without any external requeriments. I would like to inform what I've made until now to know what more basic requeriments would be good to make.
So, until now, it's possible:

- Connect/Disconnect to databases.
- Begin, Commit and Rollback transactions.
- Execute is fully implemented (and it's all transactional and also being possible to execute querys without begin/commit/trans functions).
- Columns information building with correct types and reservation for data.
- GetColumn is fully implemented (as I think , perhaps blob is not so good) with an exhaustive method of control.
- GetUser is implemented.
- EnumTables is implemented.

I've tested it in Windows and today I hope to be able to test it in Linux.

I would like to know what other functions would be good to implement to be at least usable.

Also, I would like to know linking method with DLL, as in linking in IDE and on runtime.

Regards...

Juan.

Subject: Re: First Firebird for U++ steps
Posted by unodgs on Mon, 28 Jul 2008 08:49:01 GMT
View Forum Message <> Reply to Message

BTW: I think we could after a bit refactoring adopt you decimal class for upp. It's the only missing type of Value right now IMO.

Subject: Re: First Firebird for U++ steps
Posted by mirek on Mon, 28 Jul 2008 10:09:29 GMT
View Forum Message <> Reply to Message

unodgs wrote on Mon, 28 July 2008 04:49BTW: I think we could after a bit refactoring adopt you decimal class for upp. It's the only missing type of Value right now IMO.

I wonder whether this is implementation is a good tactics.

E.g. .NET seems to implement decimal as 128bit FP number with decimal exponent.

Mirek

Subject: Re: First Firebird for U++ steps
Posted by unodgs on Mon, 28 Jul 2008 10:35:26 GMT
View Forum Message <> Reply to Message

luzr wrote on Mon, 28 July 2008 06:09unodgs wrote on Mon, 28 July 2008 04:49BTW: I think we could after a bit refactoring adopt you decimal class for upp. It's the only missing type of Value right now IMO.

I wonder whether this is implementation is a good tactics.

E.g. .NET seems to implement decimal as 128bit FP number with decimal exponent.

Mirek
Well we can start with anything. Implementation can be always changed. What I wanted only to say Decimal type would be very useful (+ plus EditDecimal, EditCurrency...)

Subject: Re: First Firebird for U++ steps
Posted by aldeacity on Mon, 28 Jul 2008 12:40:45 GMT
View Forum Message <> Reply to Message

Hello,

   I send a sample testing datagrid. All columns seem to be ok, of course expect salary column
that it's decimal(10,2). I.m adapting FireBirdSchema.h now.

Database is Firebird test database (EMPLOYEE.FDB).

Query is:
SELECT EMP_NO, FIRST_NAME, LAST_NAME, SALARY, FULL_NAME FROM EMPLOYEE;

Schema is:
TABLE_(EMPLOYEE)
 INT_ (EMP_NO)
 STRING_ (FIRST_NAME)
 STRING_ (LAST_NAME)
 STRING_ (SALARY)
 STRING_ (FULL_NAME)
END_TABLE

Code for datagrid is:
 frmTest.grdData.SetTable(EMPLOYEE);
 frmTest.grdData.AddColumn(EMP_NO, "Emp. No.");
 frmTest.grdData.AddColumn(FIRST_NAME, "First Name");
 frmTest.grdData.AddColumn(LAST_NAME, "Last Name");
 frmTest.grdData.AddColumn(SALARY, "Salary");
 frmTest.grdData.AddColumn(FULL_NAME, "Full Name");
 frmTest.grdData.Query();

Juan.

File Attachments
1) datagrid.zip, downloaded 395 times

Subject: Re: First Firebird for U++ steps
Posted by unodgs on Tue, 29 Jul 2008 14:09:01 GMT
View Forum Message <> Reply to Message

I have refactored decimal class a bit:
decimal is now Decimal
I think you wanted braces here:

   if(sign!=d.sign)
      if(sign>d.sign) return 1;

```
    if(sign<d.sign) return -1;
```

This patch is also included.
I changed

memcpy(number, d.number, D_SIZE * sizeof(int));

to

memcpy(number, d.number, D_SIZE * sizeof(int32));

I also formatted code in upp way (please follow our style in your firebird plugin) and changed throw messages from uppercase to lowercase.

I'm gonna try to use this class in my app and check if it works well. I will also modify postgres plugin to be compatibile with decimal (only a try..)

File Attachments
1) Decimal.7z, downloaded 391 times

Subject: Re: First Firebird for U++ steps
Posted by aldeacity on Tue, 29 Jul 2008 15:23:54 GMT
View Forum Message <> Reply to Message

Hello!
    Well, I did'n write decimal code. In Firebird plugin I'm trying to write with Upp style but this is my first Upp adventure I'll try to send code tonight. If not, tomorrow. But, I would like to know how must I lo link with Firebird library, so, what method do you think it's better.

Juan.

Subject: Re: First Firebird for U++ steps
Posted by unodgs on Tue, 29 Jul 2008 16:06:14 GMT
View Forum Message <> Reply to Message

aldeacity wrote on Tue, 29 July 2008 11:23Hello!
    Well, I did'n write decimal code. In Firebird plugin I'm trying to write with Upp style but this is my first Upp adventure I'll try to send code tonight. If not, tomorrow. But, I would like to know how must I lo link with Firebird library, so, what method do you think it's better.

Juan.
could you tell what is the source of this decimal class? As for your question I don't fully understand but you should just link dynamicaly.

```

## Subject: Re: First Firebird for U++ steps
Posted by aldeacity on Tue, 29 Jul 2008 16:26:30 GMT
View Forum Message <> Reply to Message

Hello,

   I'm writting Firebird plugin without decimal class. And about link, the question was about if I have to include conditions in package organizer.

Juan.

---

## Subject: Re: First Firebird for U++ steps
Posted by aldeacity on Wed, 30 Jul 2008 00:47:50 GMT
View Forum Message <> Reply to Message

Hello!

   I've writing dli for Firebird plugin to manage fbclient.dll in Windows. My doubt is about if it is possible to use it in Linux system.

Thanks.
Juan.

---

## Subject: Re: First Firebird for U++ steps
Posted by mirek on Thu, 31 Jul 2008 21:48:25 GMT
View Forum Message <> Reply to Message

unodgs wrote on Mon, 28 July 2008 06:35luzr wrote on Mon, 28 July 2008 06:09unodgs wrote on Mon, 28 July 2008 04:49BTW: I think we could after a bit refactoring adopt you decimal class for upp. It's the only missing type of Value right now IMO.

I wonder whether this is implementation is a good tactics.

E.g. .NET seems to implement decimal as 128bit FP number with decimal exponent.

Mirek
Well we can start with anything. Implementation can be always changed. What I wanted only to say Decimal type would be very useful (+ plus EditDecimal, EditCurrency...)

I am not sure that it is that easy.... Chosen implementation will have a big impact later.

Mirek