
Subject: SQL + vector related question

Posted by [jerson](#) on Sun, 12 May 2013 12:12:25 GMT

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I have the following schema

```
TABLE_ (TEST)
DATE_ (TESTDATE) SQLDEFAULT(CURRENT_DATE)
STRING_ (REFNO ,50)
STRING_ (PATIENT ,50)
STRING_ (DOCTOR ,50)
BLOB_ (OPCOMMENT)
BLOB_ (DOCCOMMENT)
BLOB_ (DATA)
END_TABLE
```

and these

```
Vector<Pointf> LeftSeries[4], // 4 series of 12 points each
RightSeries[4];
Vector<Byte> vb; // holds the above 2 sets of data
```

This is what I have done

```
BufferStream dat;
dat % LeftSeries[0]
% LeftSeries[1]
% LeftSeries[2]
% LeftSeries[3]
% RightSeries[0]
% RightSeries[1]
% RightSeries[2]
% RightSeries[3];
vb = dat.GetResult();

SQL * Insert(TEST) (REFNO,AsString(~SaveRecord.edtReference))
(DOCTOR,AsString(~SaveRecord.edtDoctor))
(PATIENT,AsString(~SaveRecord.edtPatientName))
(DOCCOMMENT,AsString(~SaveRecord.edtDocComments))
(OPCOMMENT,AsString(~SaveRecord.edtOpComments))
// ***** This line does not work ***** (DATA,vb);
// This is just to make sure I can put something to the DATA
blob (DATA,AsString(~SaveRecord.edtOpComments));
```

I unroll the data like this

```
// retrieve the data from the bufferstream and show it
```

```
BufferStream dat(vb);
dat % LeftSeries[0]
% LeftSeries[1]
% LeftSeries[2]
% LeftSeries[3]
% RightSeries[0]
% RightSeries[1]
% RightSeries[2]
% RightSeries[3];
```

Question:

How can I save/retrieve the Vector<Byte> to/from the table? This is the first time ever I'm using sqlite3 and serialization, so please forgive my ignorance.

Regards
Jerson

Subject: Re: SQL + vector related question
Posted by [jerson](#) on Mon, 13 May 2013 16:12:01 GMT
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Follow up

I changed the code to this and I am able to save to the database now. Is there an easier way to achieve this using native U++ utils?

String dat;

```
for (int i =0;i < LeftSeries[0].GetCount();i++) dat << AsString(LeftSeries[0][i]);
dat << '\r';
for (int i =0;i < LeftSeries[1].GetCount();i++) dat << AsString(LeftSeries[1][i]);
dat << '\r';
for (int i =0;i < LeftSeries[2].GetCount();i++) dat << AsString(LeftSeries[2][i]);
dat << '\r';
for (int i =0;i < LeftSeries[3].GetCount();i++) dat << AsString(LeftSeries[3][i]);
dat << '\r';
for (int i =0;i < RightSeries[0].GetCount();i++) dat << AsString(RightSeries[0][i]);
dat << '\r';
for (int i =0;i < RightSeries[1].GetCount();i++) dat << AsString(RightSeries[1][i]);
dat << '\r';
for (int i =0;i < RightSeries[2].GetCount();i++) dat << AsString(RightSeries[2][i]);
dat << '\r';
for (int i =0;i < RightSeries[3].GetCount();i++) dat << AsString(RightSeries[3][i]);
dat << '\r';
```

The information in the database is like this

[4, -40][11, -40]

[1, -33][12, -33]

[5, -40][11, -40]

[1, -33][11, -33]

Each line has data for one Vector and can hold a max of 12 points.

How should I re-populate the vector from the string?

Regards

Jerson