

Datetime field overflow error

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.odbc/2005-02/0050.html>

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Hello,

I'm using SQL Server 2000 with ODBC and am having difficulty binding the appropriate type for use with a datetime column in the database. I have the requirement that I need to have the milliseconds available to my code.

I've reduced my error to this overly simplified testcase:

The column in the database is defined as a "datetime 8".

```
/* Code ... */
```

```
TIMESTAMP_STRUCT data;
```

```
data.year = 1992;
```

```
data.month = 8;
```

```
data.day = 12;
```

```
data.hour = 7;
```

```
data.minute = 9;
```

```
data.second = 51;
```

```
data.fraction = 500;
```

```
SQLINTEGER ind = 0;
```

```
SQLRETURN rc = SQLBindParameter(stmt, 1, SQL_PARAM_INPUT,
```

```
    SQL_C_TYPE_TIMESTAMP,  
    SQL_TYPE_TIMESTAMP,  
    (SQLINTEGER)sizeof(TIMESTAMP_STRUCT),  
    0,  
    (SQLPOINTER)&data,  
    sizeof(TIMESTAMP_STRUCT),  
    (SQLINTEGER*)&ind);
```

```
/* End Code ... */
```

Calling SQLExecute returns the 'Datetime field overflow' error.

microsoft.public.sqlserver.odbc: Datetime field overflow error

I know I'm not fully understanding something, but I cannot seem to find an appropriate explanation for where I am going wrong.

Any assistance is greatly appreciated.

Thanks,
John