
Subject: Help needed with Convert class

Posted by [pacoquintana](#) on Thu, 12 Sep 2013 18:50:56 GMT

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Hi all.:

I need some help about date time format and convert

In my application I use SQLITE 3 with a column to store date and time in a TIME column in app.layout an sqlArray has to columns, one to display date and the next one to display time coming from the same column time in sqlite.

Working with a convert class to display date in the first sqlArray.column and time in the next one so :

```
Convert& DateDateConvert();
```

```
Convert& DateTimeConvert();
```

```
struct DateDateConvertCls : Convert {  
    virtual Value Format(const Value& q) const;  
};
```

```
Value DateDateConvertCls::Format(const Value& q) const  
{  
    Time d = q;  
    return !d.IsValid() ? String() : ::Format("%1:04d-%2:02d-%3:02d", d.year, d.month, d.day);  
}
```

```
Convert& DateDateConvert()  
{  
    return Single<DateDateConvertCls>();  
}
```

```
struct DateTimeConvertCls : Convert {  
    virtual Value Format(const Value& q) const;  
};
```

```
Value DateTimeConvertCls::Format(const Value& q) const  
{  
    Time d = q;  
    return !d.IsValid() ? String() : ::Format("%1:02d-%2:02d-%3:02d", d.hour, d.minute, d.second);  
}
```

```
Convert& DateTimeConvert()  
{  
    return Single<DateTimeConvertCls>();  
}
```

In the Layout :

```
qs.AddColumn(O_DATE, "fecha").SetConvert(DateDateConvert());
```

```
qs.AddColumnAt(1, "Hora").SetConvert(DateTimeConvert());
```

It compiles and link but I get an Assertion error.

I can not understand how Convert class works, so any "good Elmer" can explain me how it works ?

Thank you very much
