
Subject: Re: S_type and ValueMap
Posted by [mirek](#) on Tue, 15 Oct 2019 10:00:11 GMT
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Giorgio wrote on Tue, 15 October 2019 11:40Hi there,
I have the following code: the idea is to get data from db, put them in a vector of ValueMap and then put them in a S_type structure.

```
std::vector<ValueMap> * results=this->dao->QueryTable(table, vmfields); //ValueMap(s) here  
represent lines from db  
for(auto it = results->begin(); it != results->end(); ++it)
```

```
    S_FILLER s(*it); //S_FILLER is defined in a .sch file  
    //Do something with s  
}
```

S_FILLER is defined as follows:

```
TABLE_ (FILLER)  
  STRING_ (KMP,8) PRIMARY_KEY REFERENCES(ITEM.KMP)  
  STRING_ (DESCRIPTION,50)  
  STRING_ (STATUS,8)  
  INT_ (NOELEMENTS)  
  DOUBLE_ (DENSITY)  
END_TABLE
```

The problem is that the code crashes if in the S_type structure there are numerical types, if they are just strings the code runs perfectly.

Is there a way to force some kind of "automatic" conversion from String to the correct type?

Thanks,
gio

No. I believe that would be dangerous.

I think you can do this by using S_type introspection and doing the conversion yourself. E.g. use GetRef to get a reference to column attribute, then you can use 'Is' to check for its type. Create a template function to do the conversion to accomodate various S_tables.

Mirek
