Subject: Compiler warning in Topt.h L177
Posted by Didier on Fri, 27 Sep 2024 18:04:41 GMT
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Hello,

While compiling my app with CLANG, i ran into the following warning message (appeared with recent changes about moveable I think : didn't check git history):

```
/home/...../Core/Topt.h:177:9: warning: destination for this 'memcpy' call is a pointer to dynamic class 'GraphSerieDecorator'; vtable pointer will be overwritten [-Wdynamic-class-memaccess]
        memcpy(dst, src, sizeof(T));
        ~~~~~~ ^
.
.
.
/home/...../Core/Topt.h:177:9: note: explicitly cast the pointer to silence this warning
        memcpy(dst, src, sizeof(T));
               ^
               (void*)
```

The following minor code change silences the warning :
I just added (void*) like suggested by warning message.
is_trivially_relocatable<T> and since src and dest have same type warning can be safelly ignored.

```
template <class T>
inline typename std::enable_if_t<is_trivially_relocatable<T>> Relocate(T *dst, T *src)
{
 memcpy((void*)dst, (void*)src, sizeof(T));
}
```