Subject: Possible bug/clarification only callback2 was changed for const Object*
Posted by hans on Tue, 24 Mar 2009 15:14:42 GMT

Hi,
in current (1007) svn repository, in the function

```
template <class Object, class R, class O, class A, class B, class T1, class T2>
Callback callback2(const Object *object, R (O::*method)(A, B) const, T1 arg1, T2 arg2) {
  return Callback(new CallbackMethodActionArg2<const Object, R (O::*)(A, B) const, T1, T2>
}
```

the template class was changed from
CallbackMethodActionArg2<Object, ...>

to
CallbackMethodActionArg2<const Object, ...>

But, the other functions callback3, callback4 are not changed.
I think this should made consistent IMHO.

Subject: Re: Possible bug/clarification only callback2 was changed for const Object*
Posted by mirek on Wed, 25 Mar 2009 07:39:40 GMT

hans wrote on Tue, 24 March 2009 11:14Hi,
in current (1007) svn repository, in the function

```
template <class Object, class R, class O, class A, class B, class T1, class T2>
Callback callback2(const Object *object, R (O::*method)(A, B) const, T1 arg1, T2 arg2) {
  return Callback(new CallbackMethodActionArg2<const Object, R (O::*)(A, B) const, T1, T2>
}
```

the template class was changed from
CallbackMethodActionArg2<Object, ...>

to
CallbackMethodActionArg2<const Object, ...>

But, the other functions callback3, callback4 are not changed.
I think this should made consistent IMHO.

In "my copy" of Callback.h, there seem to always be both variants (non-const and const) for callback2, 3, 4, which IMO makes sense...

Mirek

Hi Mirek, to clarify:

We have const/non-const functions for callback2,3,4 but only
for the const callback2 the code was changed to include the const in the template class
constructor, but not for const callback3/4. See:


```
template <class Object, class R, class O, class A, class B, class T1, class T2>
Callback callback2(const Object *object, R (O::*method)(A, B) const, T1 arg1, T2 arg2) {
 return Callback(new CallbackMethodActionArg2<const Object, R (O::*)(A, B) const, T1, T2>
// here const was inserted                      ^^^^^
            (object, method, arg1, arg2));
}
```

...

```
template <class Object, class R, class O, class A, class B, class C, class T1, class T2, class T3>
Callback callback3(const Object *object, R (O::*method)(A, B, C) const, T1 arg1, T2 arg2, T3
arg3) {
 return Callback(new CallbackMethodActionArg3<Object, R (O::*)(A, B, C) const, T1, T2, T3>
// no const was inserted                  ^
            (object, method, arg1, arg2, arg3));
}
```

....

```
template <class Object, class R, class O, class A, class B, class C, class D, class T1, class T2,
class T3, class T4>
Callback callback4(const Object *object, R (O::*method)(A, B, C, D) const, T1 arg1, T2 arg2, T3
arg3, T4 arg4) {
 return Callback(new CallbackMethodActionArg4<Object, R (O::*)(A, B,C,D) const, T1, T2, T3,
T4>
// no const was inserted                  ^
            (object, method, arg1, arg2, arg3, arg4));
}
```

Subject: Re: Possible bug/clarification only callback2 was changed for const Object*
Posted by mirek on Thu, 26 Mar 2009 13:43:48 GMT

You are right, fixed.

Mirek