Subject: This is heap leak?

Posted by fzx374cn on Fri, 29 Aug 2025 22:44:55 GMT

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Subject: Re: This is heap leak?

Posted by Oblivion on Tue, 02 Sep 2025 09:26:41 GMT

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Hi,

Yes that is a heap leak. You are creating a button on the heap but never deleting it.

Ptr<T> is used for pointing things, not for memory management.

If you want to create ctrls on the heap, you can use containers: One<Buttorn> or Array<Button>.

They can take care of the ownership and track the object life time.

Best regads, Oblivion

Subject: Re: This is heap leak?

Posted by koldo on Tue, 02 Sep 2025 09:41:23 GMT

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Hi Fzx374cn

In addition Ptr goes with Pte.

This is a version of your example. It is not very meaningful but you can see that your pointer does not produce a heap problem, it just returns 0 if the pointed data (Foo data) is out of scope:

```
struct Foo : Pte<Foo> {
  Button but;
};
class Test : public TopWindow {
public:
void Start() {
 Foo data;
 ptr = &data;
 str << "During: " << (void*)~ptr << "\n";
Ptr<Foo> ptr;
String str;
};
GUI APP MAIN
Test t:
t.str << "Before: " << (void*)~t.ptr << "\n";
t.Start();
t.Run();
t.str << "After: " << (void*)~t.ptr;
Exclamation(DeQtfLf(t.str));
}
This shows:
Before: 0x0
During: 0x6fad31f508
After: 0x0
```