
Subject: Re: MakeOne

Posted by [Klugier](#) on Sat, 30 Jun 2018 12:45:41 GMT

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Hello,

I have a problem with current MakeOne implementation. It doesn't work greates with auto:

```
One<Foo> CreateFoo() {  
    auto pFoo = MakeOne<Foo>();
```

```
    int i = 0;  
    if (i == 0) {  
        return nullptr;  
    }
```

```
    return pFoo; // Compilation error - /home/klugier/MyApps/MakeOneTest/MakeOneTest.cpp (19):  
error: use of deleted function 'Upp::One<T>::One(const Upp::One<T>&) [with T = Foo]'  
}
```

The below example works as expected:

```
One<Foo> CreateFoo() {  
    One<Foo> pFoo = MakeOne<Foo>();
```

```
    int i = 0;  
    if (i == 0) {  
        return nullptr;  
    }
```

```
    return pFoo;  
}
```

I am not sure it is the good design to limit it to only explicit types. `std::make_shared` and `std::make_unique` works in above case.

Sincerely,
Klugier
