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Subject: Re: Doubt with Buffer<> of a trivially destructible type

Posted by [koldo](#) on Sun, 15 Dec 2024 11:25:39 GMT

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Lance wrote on Sat, 14 December 2024 20:53: I believe this is something that should and can be addressed at compile time by making `Upp::Vector` more robust.

I am surprised `std::vector` is guilty of the same problem. I will take a look to see if more recent standard library has fixed it.

Yes. This code gives the same error:

```
CONSOLE_APP_MAIN
```

```
{  
    typedef double Vector3[3];  
  
    std::vector<Vector3> vector3_data(10);  
}
```

Because of this in file `clang\include\c++\v1\__memory\allocator.h`:

```
_LIBCPP_DEPRECATED_IN_CXX17 _LIBCPP_HIDE_FROM_ABI void destroy(pointer __p) {  
    __p->~_Tp(); }
```

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