

---

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

Posted by [Lance](#) on Sun, 15 Dec 2024 13:29:13 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

The inability for Vector to destruct T[n] is a consequence of inherited inability for a function to return a c array.

For example

```
T Vector::pop();
```

requires the housed type T be returnable.

There is no reason for c++ to systematically disallow it other than c says so, and there is little or no incentive for c++ to do otherwise, as it can be easily circled around.

We can have our Vector to work with T[n] if it's really really desirable, by encapsulating it in an intermediate struct Vector::ArrayWrapper automatically.

ArrayWrapper is constructible from, assignable from, convertible to the array type.

There is some work involved. And the requirement is less common to make it worthy.

---