
c_ptr Documentation

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ThePhD

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Repository: [ThePhD/out_ptr](#)

Support: Consider [donating here](#).

out_ptr is a scalable output pointer abstraction for making it easier to put output pointer values into smart and fancy pointers such as `std::unique_ptr`, `std::shared_ptr`, `boost::shared_ptr`, and other upcoming smart pointers such as `boost::local_shared_ptr` and `std::retain_ptr`!

A fully rendered proposal for the full rationale of this library can be found through rawgit [in the main repository page](#), and below there are links to sections of the full documentation.

It's a small but useful library, so feel free to dive right on in! Finally, consider [donating here](#) to support my programming endeavors, Boost inquiries and standardization efforts!

Example Usage, given some C-Style API:

```
1 #include <some_c_api.h>
2
3 #include <phd/out_ptr.hpp>
4
5 int main (int, char*[]) {
6
7     std::unique_ptr<int, resource_deleter> resource(nullptr);
8     error_num err = c_api_create_handle(24, std::out_ptr(resource));
9     if (err == C_API_ERROR_CONDITION) {
10         // handle errors
11     }
12     // resource.get() the out-value from the C API function
13     // ..
14
15     return 0;
16 }
```


CHAPTER 2

Dive In!
