



std::shared ptr<std::atomic<int>>

std::shared_ptr<synchronized_value<std::string>>

std::shared_ptr<int>

std::shared_ptr<std::string>









Good

```
std::shared_ptr<std::atomic<int>>
```



std::shared_ptr<synchronized_value<std::string>>



Bad

```
std::shared_ptr<int>
```

std::shared_ptr<std::string>



```
void entry_point (std::shared_ptr<synchronized_value<std::string>> sync_s, int tid)
   apply ([tid] (auto& s) {
       s.append ("%");
        std::println ("{} {}", s, tid);
       return s;
   *sync_s);
int main()
   auto s = std::make_shared<synchronized_value<std::string>> ("Hello threads");
    std::vector<safe_thread> threads { };
   const int num threads = 15;
    for (int i : std::views::iota (0, num_threads))
        threads.push_back (safe_thread (entry_point, auto (s), auto (i)));
```