



Actors: Problems

- Huge overhead to queue every operation on a thread

- Re-entrant functions should execute synchronously

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exec::task<void> set_first_name (std::string_view new_first)
{
    if (std::this_thread::get_id() == get_scheduler().get_id())
        co_return person.set_first_name (new_first);

    co_return co_await stdexec::then (stdexec::schedule (get_scheduler()),
                                     [this, =]
                                     { return person.set_first_name (new_first); });
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Run-time Data Race Detection