An overview of Modern

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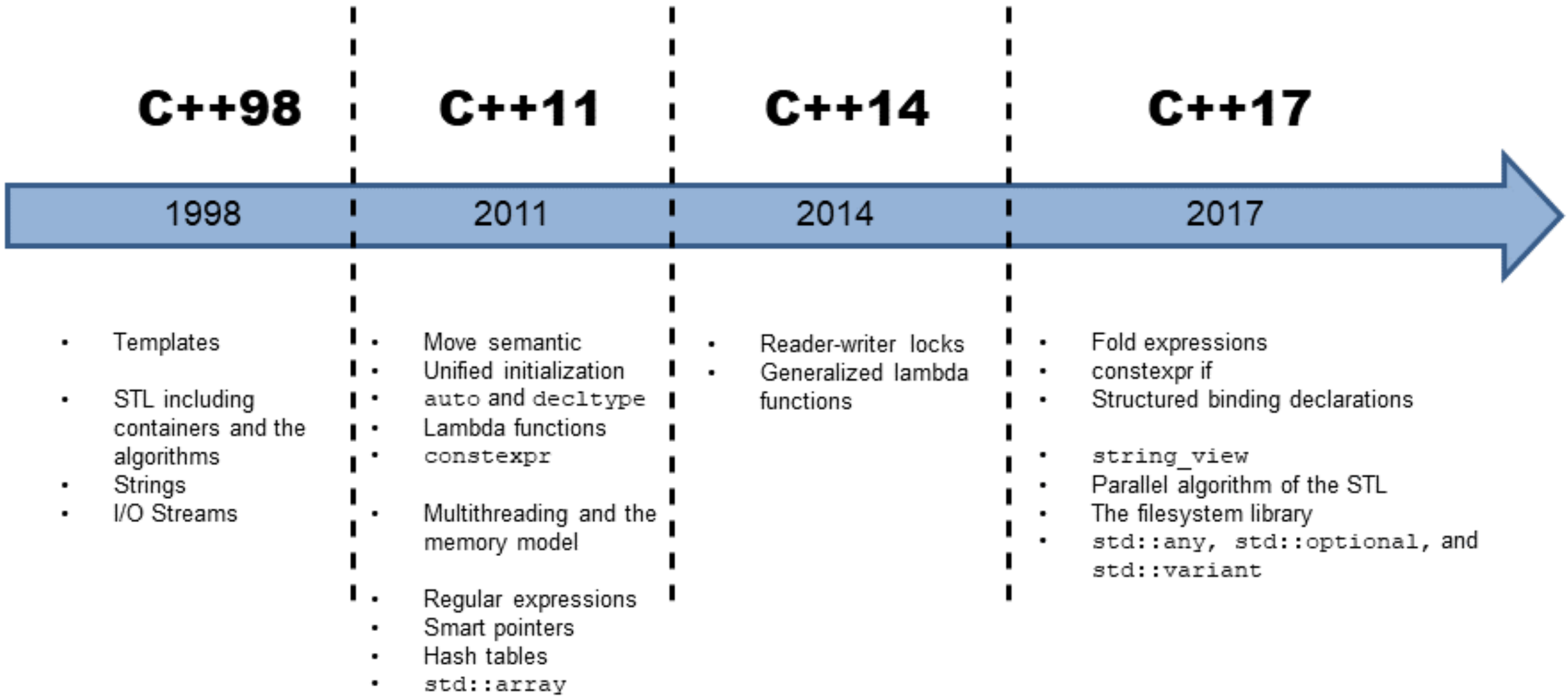
What happened after 1998?



Ref: http://www.modernescpp.com/index.php/multithreading-in-modern-c

Feature highlights

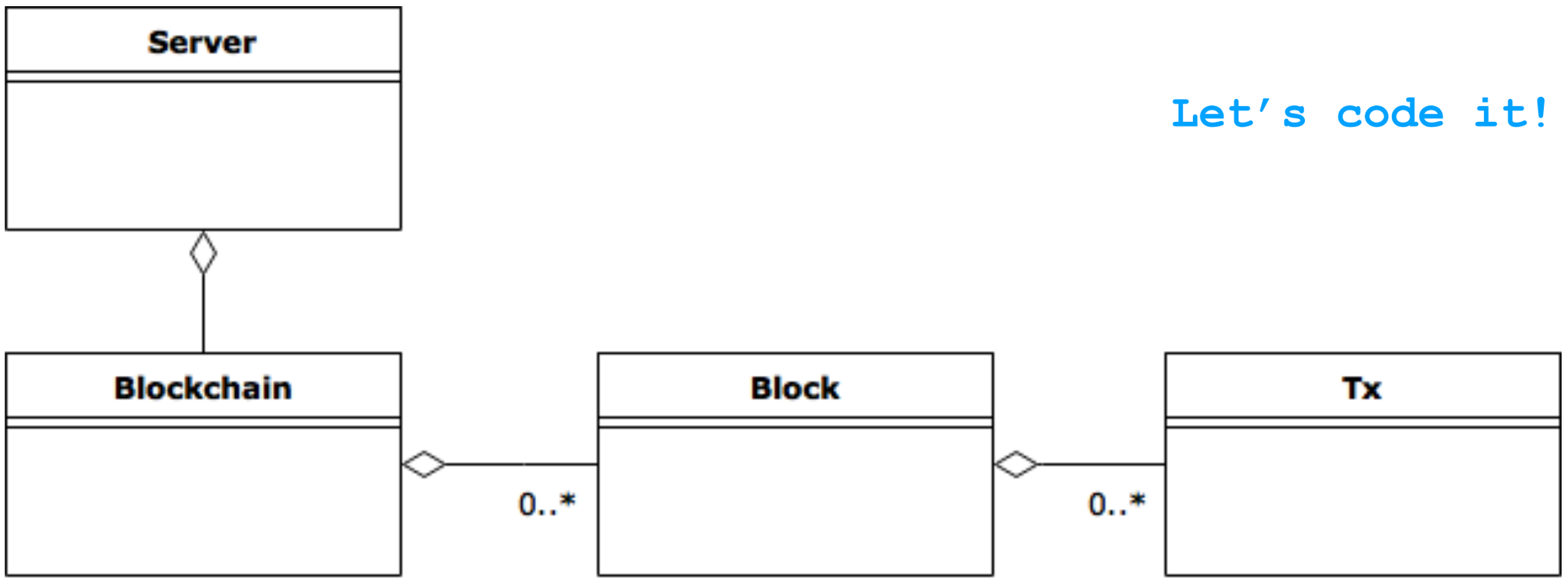
- Type deduction
- Range-based for loop
- Uniform initialization
- Lambda
- Smart pointers
- Rvalue and move semantics
- Concurrency: multi-thread, parallel STL (C++17)

Less code, better performance

What’s blockchain?

Go to demonstration!

Build a simple blockchain using modern C++



Let's code it!

How about the future?

C++20 is on the way

- Atomic smart pointers
- std::future
- Coroutines
- Task blocks
- …

Useful resources

- Code repo and PPT: https://github.com/lizhongz/link
- Learn more: C++11/14/17 Cheatsheet
- Complier: Clang
- IDE: CLion, Visual Studio

Thank you!