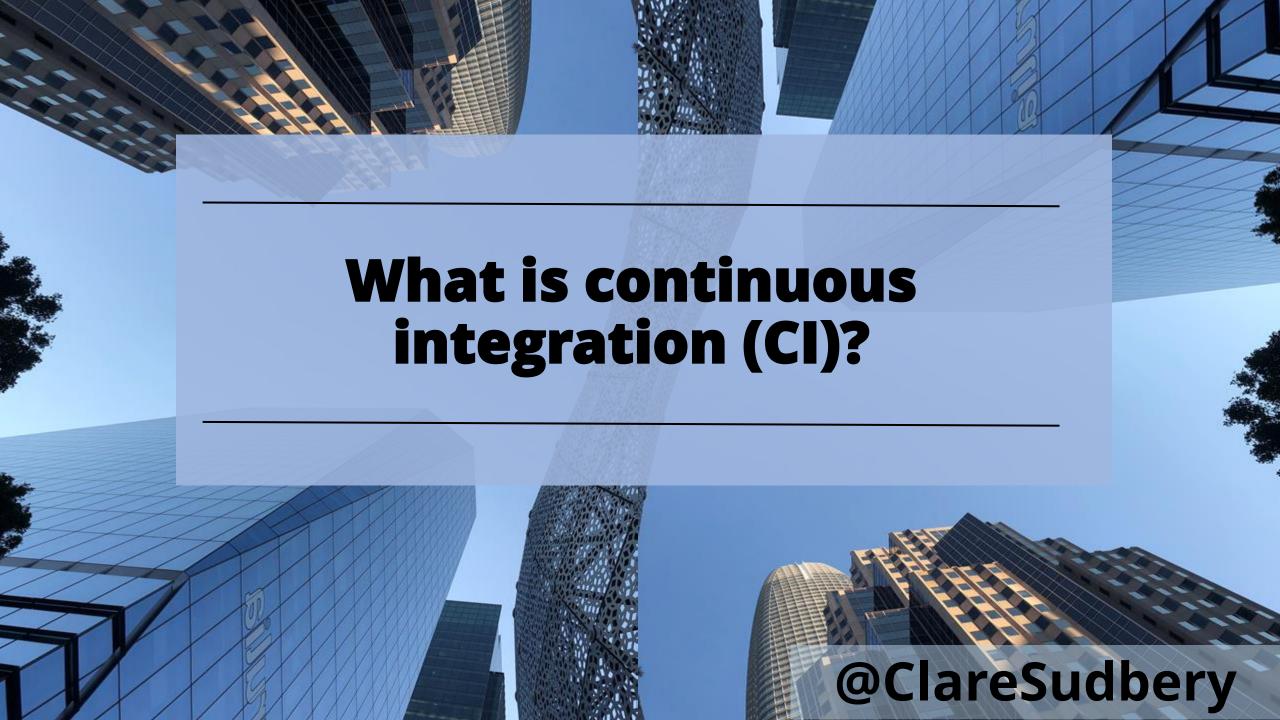
## integration – that's not what they meant

@ClareSudbery



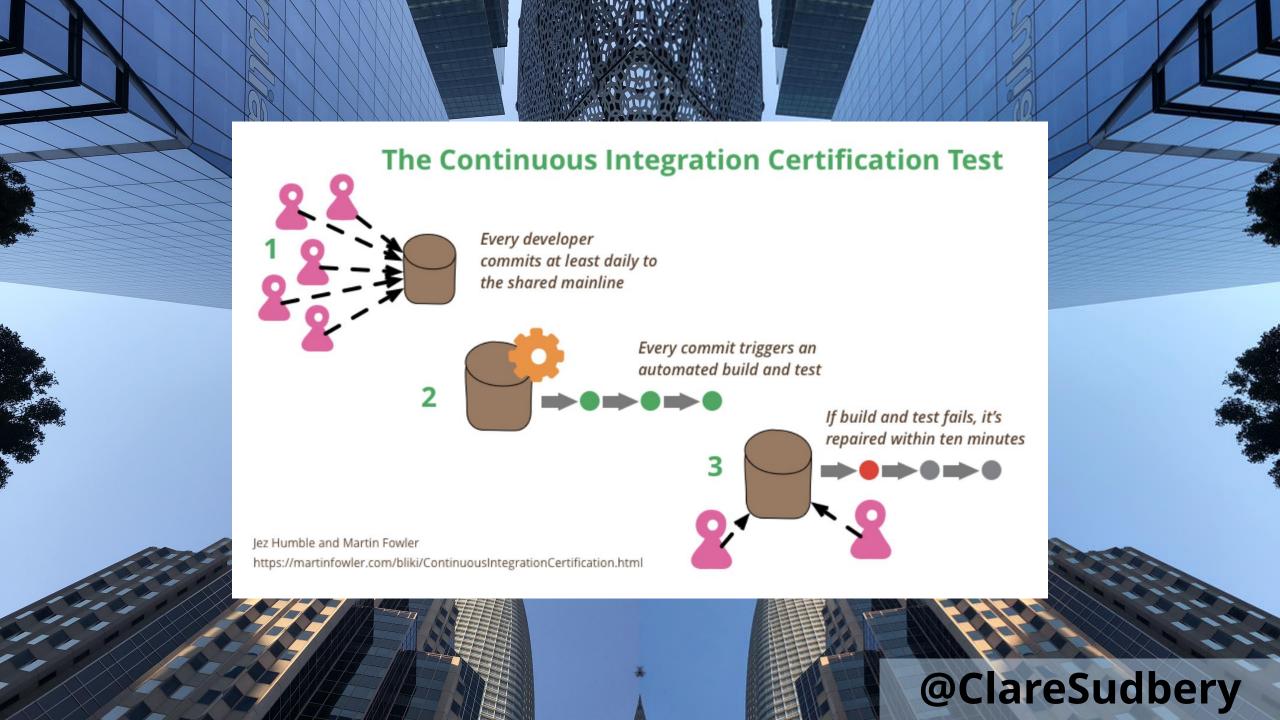














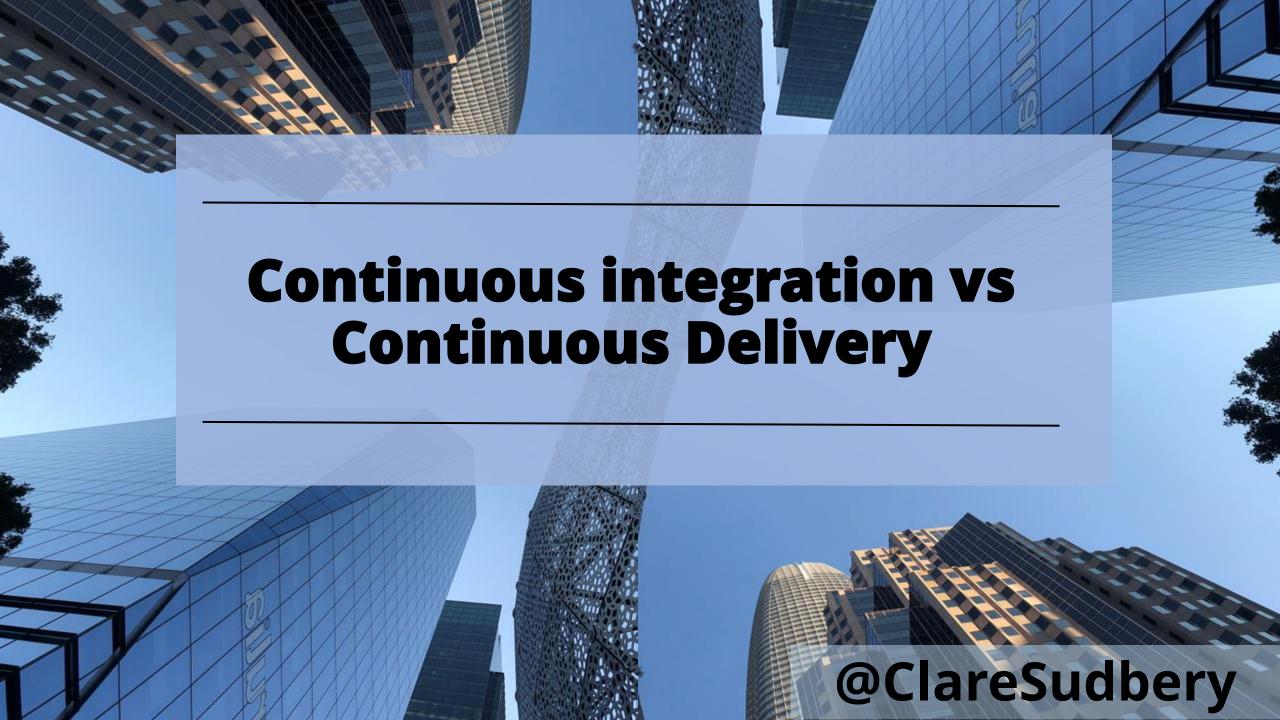


Kent Beck

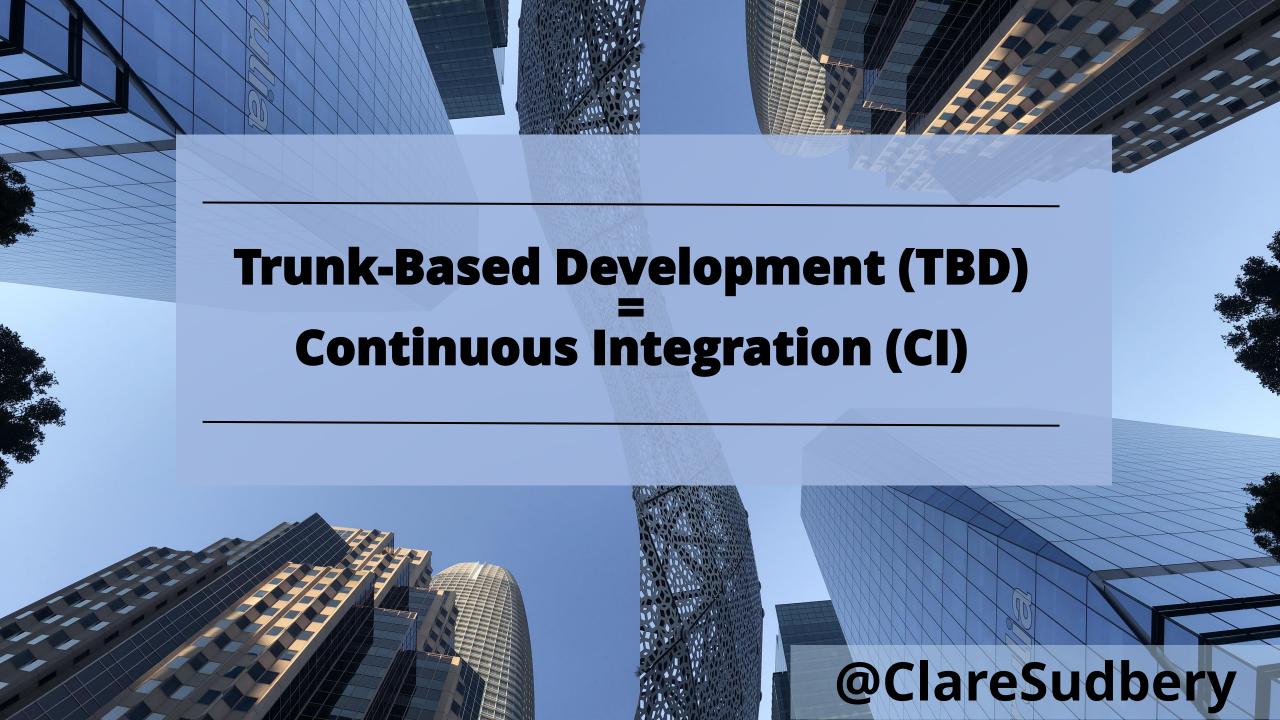
<u>Extreme Programming Explained</u>, 1999

@ClareSudbery

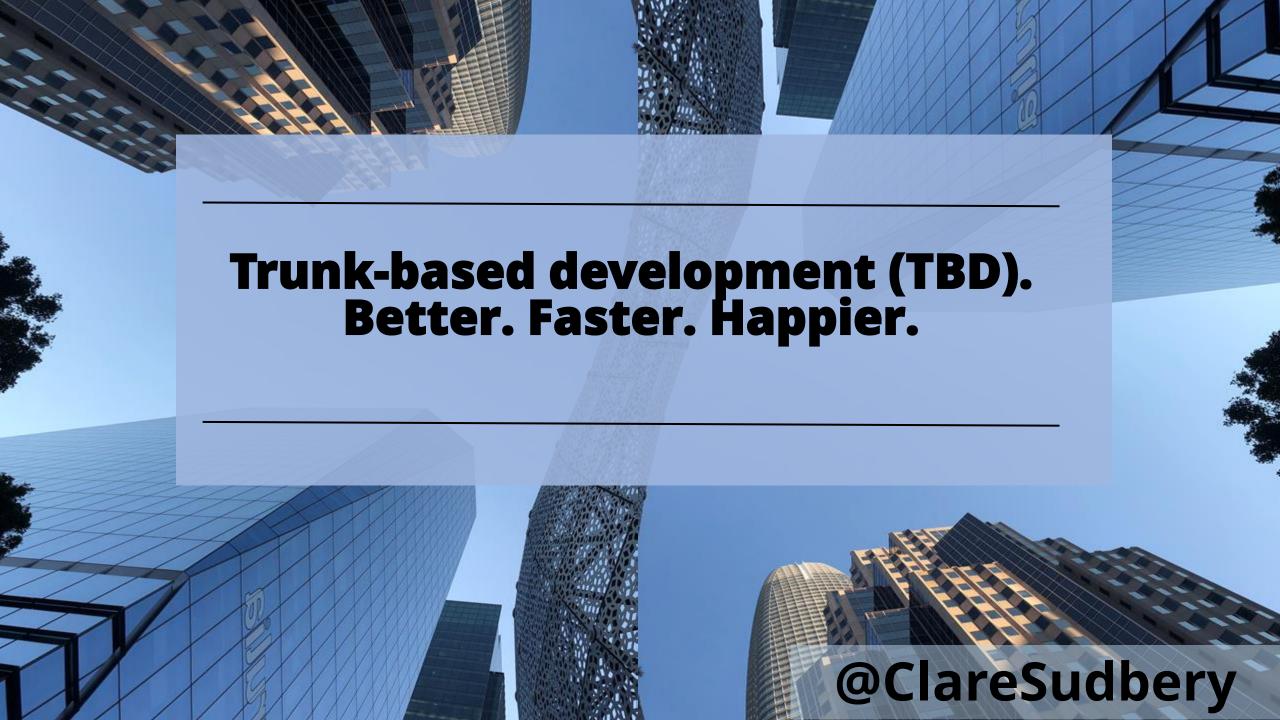
















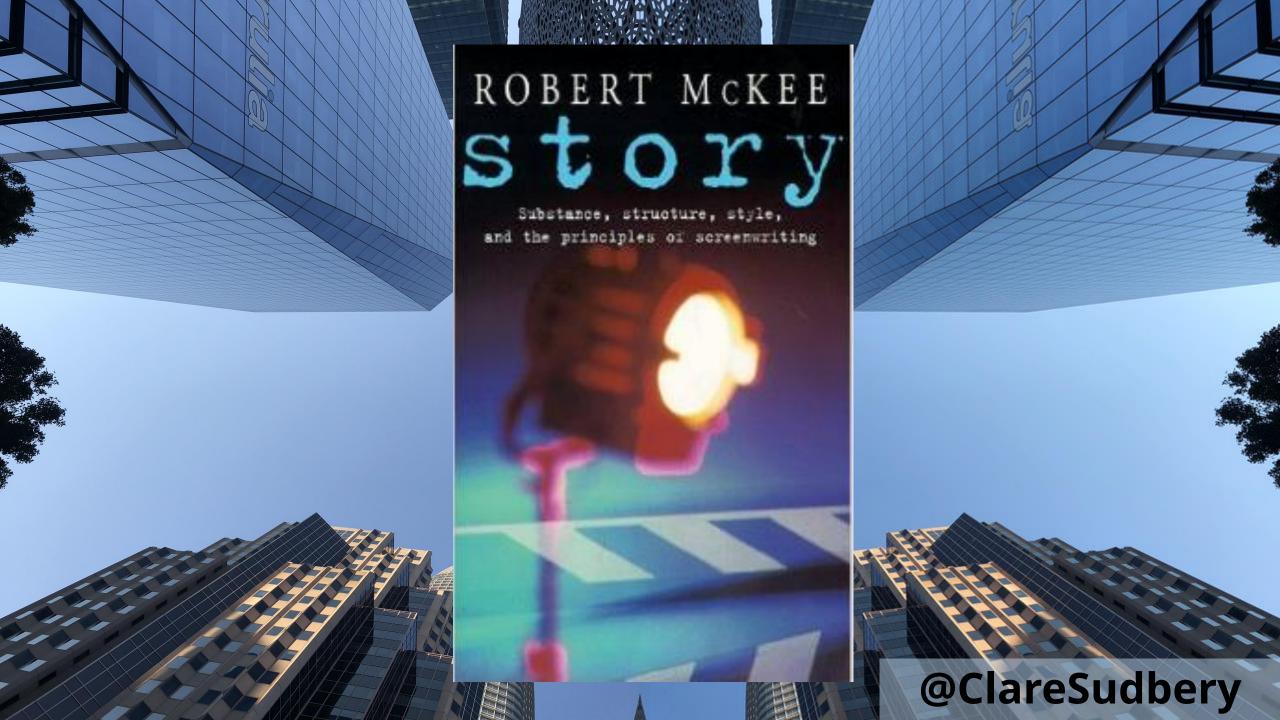






































"Using pull requests for code changes by your own team members is like having your family members go through an airport security checkpoint to enter your home. It's a costly solution to a different problem."

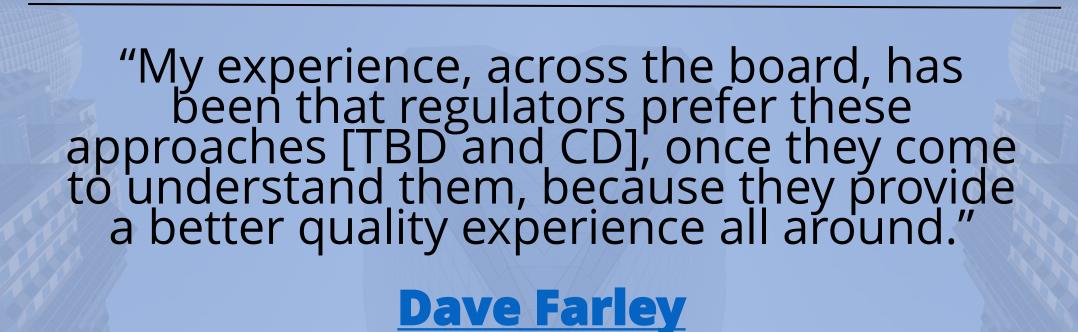
**Kief Morris** 











@ClareSudbery

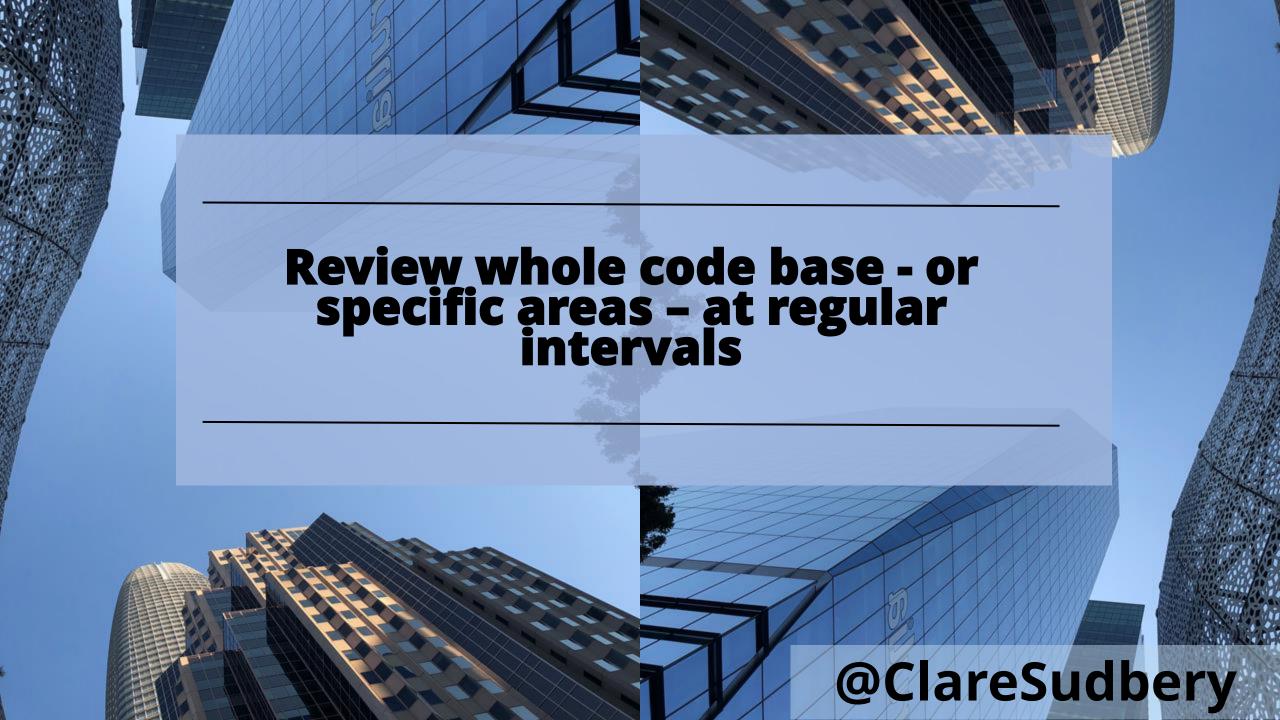


"The more complex the compliance mechanisms around change, the lower the quality of the software. ... I believe that it is not possible to implement a genuinely compliant, regulated system in the absence of CD!"

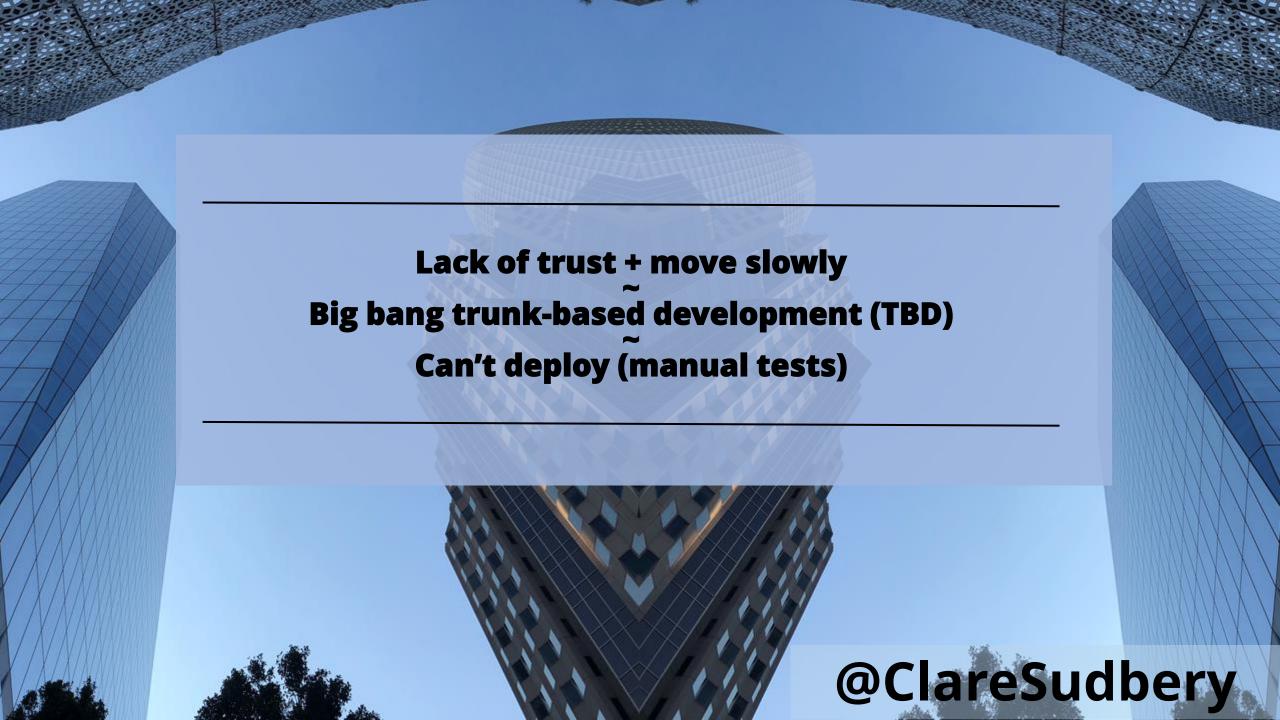
**Dave Farley** 

@ClareSudbery

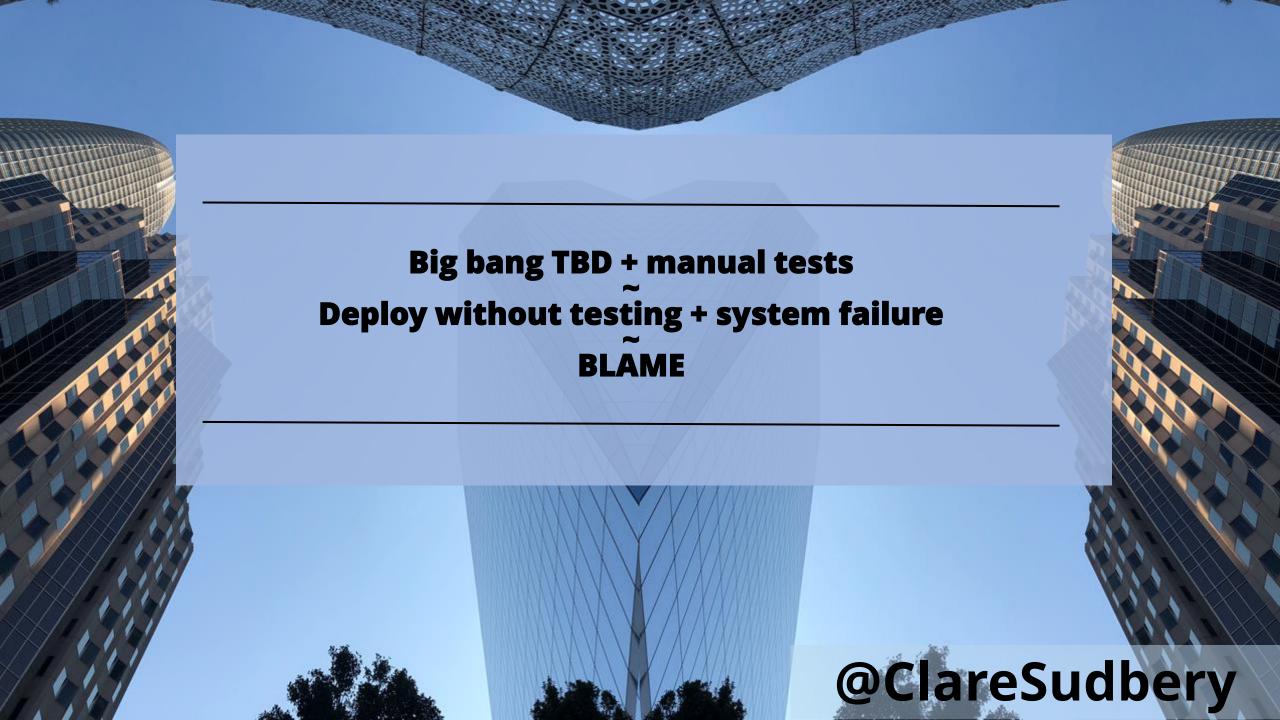


















"In order to be successful in modern development organizations, software developers need new skills."

These skills are not easily learnt on a short training course or at a university.

Practices like Continuous Integration and Test-Driven Development require developers to change their minute-by-minute habits and ways of working."

**Emily Bache** 

**Samman Technical Coaching Society** 



## Technical Agile Coaching with the Samman method

By Emily Bache Foreword by Kent Beck







"Software development is best seen as a learning process where running programs are the proof of learning, rather than a factory or production process.

Walking a new path together along with an experienced guide reduces time spent not learning because of fear."

**Kent Beck** 

Foreword, Technical Agile Coaching with the Samman Method



## Technical Agile Coaching with the Samman method

By Emily Bache Foreword by Kent Beck

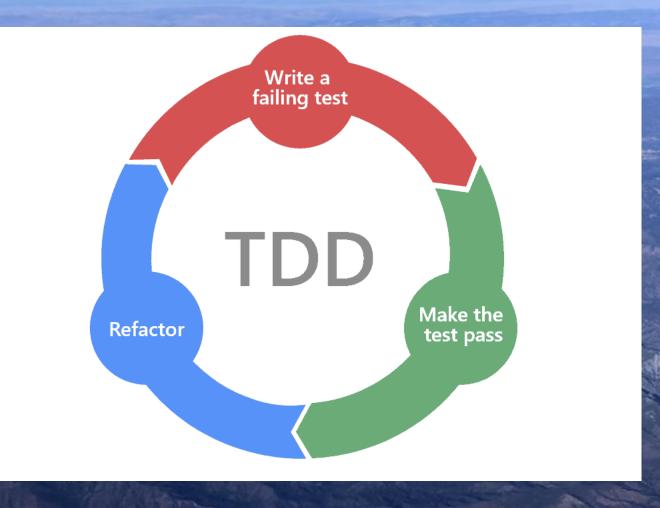






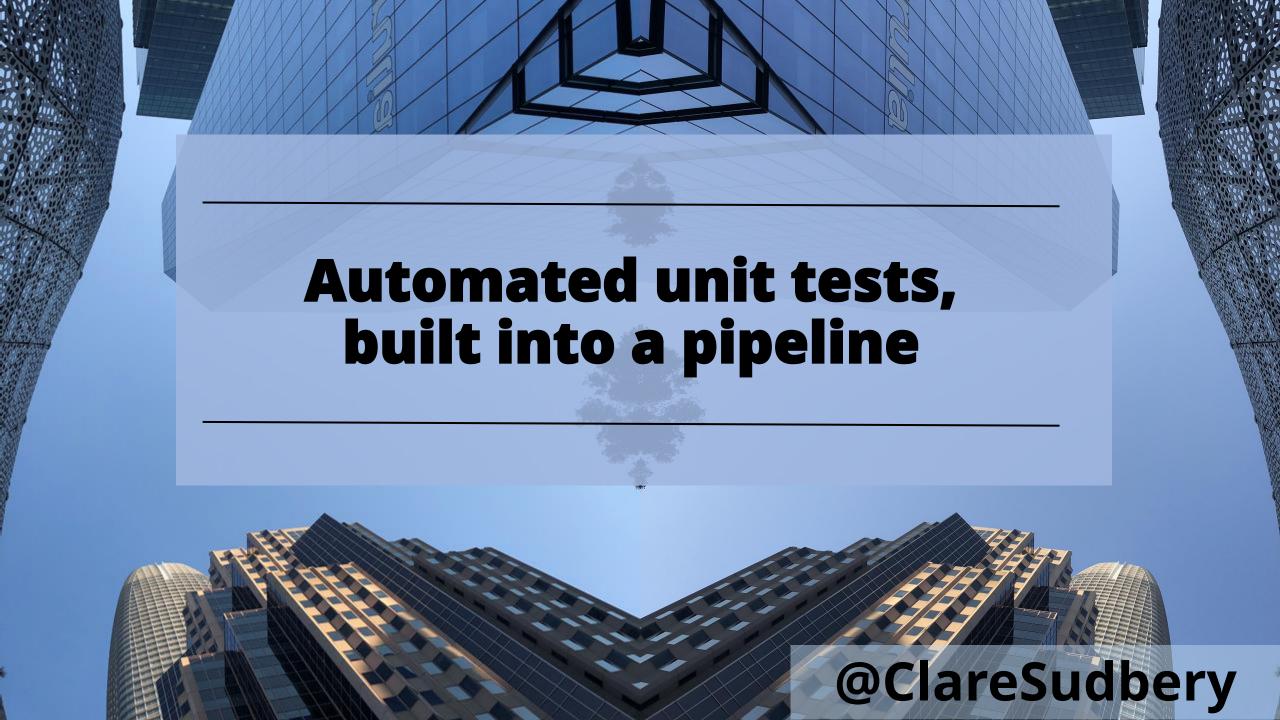


## **Test Driven Development**



@ClareSudbery











Continuous Integration requires "relentless work to simplify systems architecture on an ongoing basis to ensure that this automation isn't prohibitively expensive to create and maintain."

Accelerate - Forsgren et al







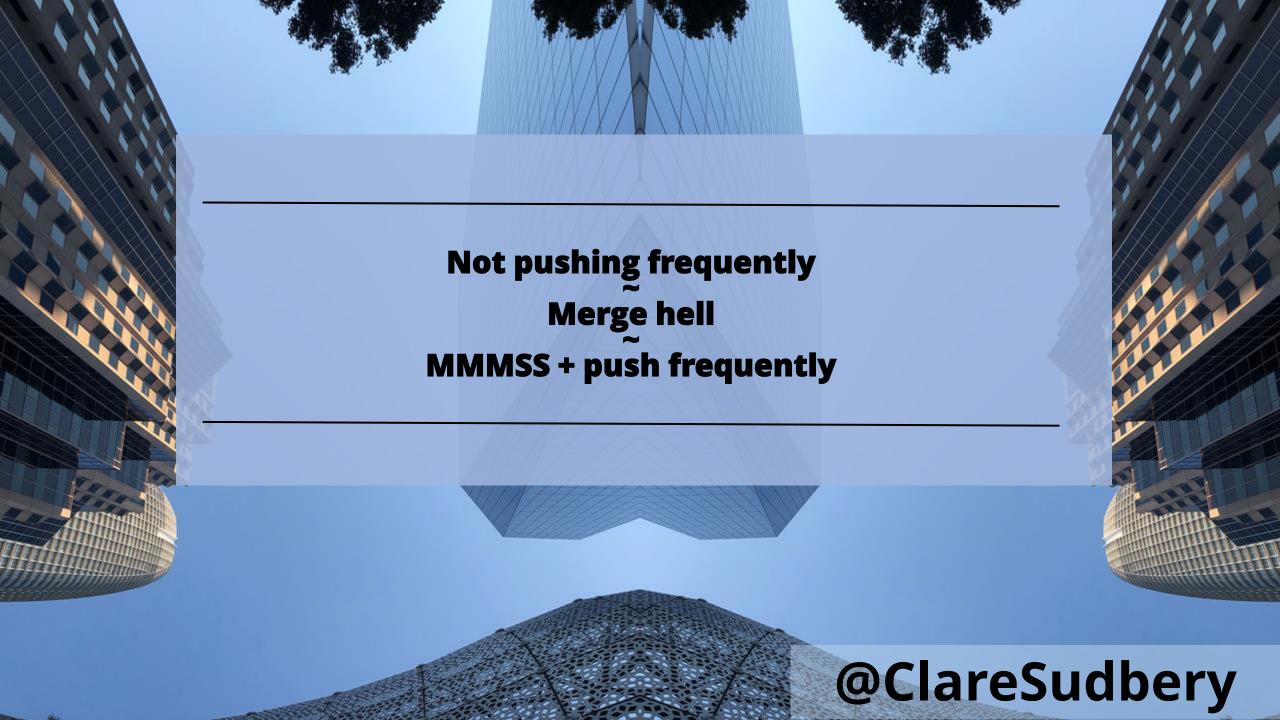














## Many More Much Smaller Steps – First Sketch

September 29, 2021 / 5 minutes of reading / Muses, Podcasts

Part 1 of 5 in the series Many Much More Smaller Steps



Many More Much Smaller Steps - First Sketch Anchor. #129

PawCast with GeePaw Hill • By GeePaw Hill • Sep 28, 2021







07-62

The first plank of my take on fixing the trade is MMMSS: If you want more value faster, take Many More Much Smaller Steps.





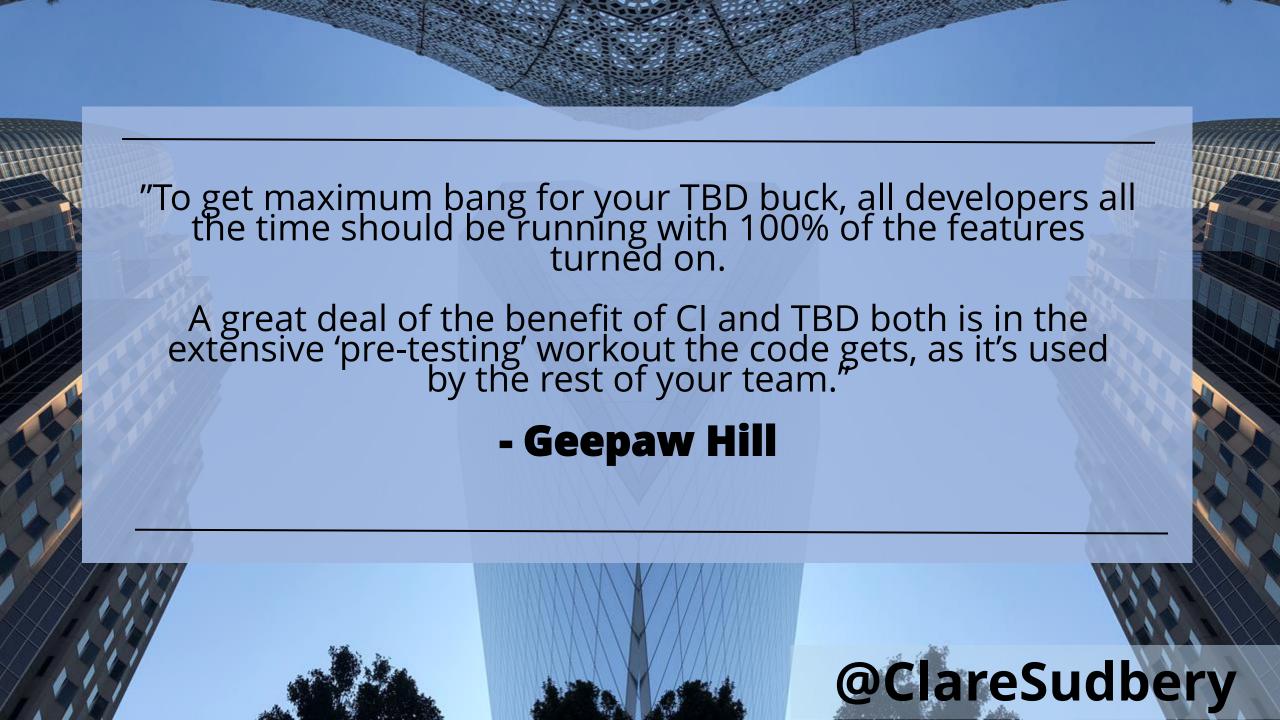


















"We use branches when we don't mob or when we modify shared code. Nobody likes it, which in turn encourages us to mob more."

Eli Mydlarz









"Any form of branching runs counter, in principle, to the ideas of Continuous Integration.

Don't branch! Don't branch! Don't branch!"

**Dave Farley** 









## 2. But why does trunk-based development make things better?The Benefits of TBD

- Small steps
  - MMMSS
- Fast feedback
- Avoiding merge hell
- Reducing risk
- Faster integration, fewer queues
- Collective ownership
- Better quality code
- Evidence
  - DORA Metrics and the State Of DevOps



"Trunk-based development ... has been shown for years to accelerate software delivery velocity."

DORA report, 2022













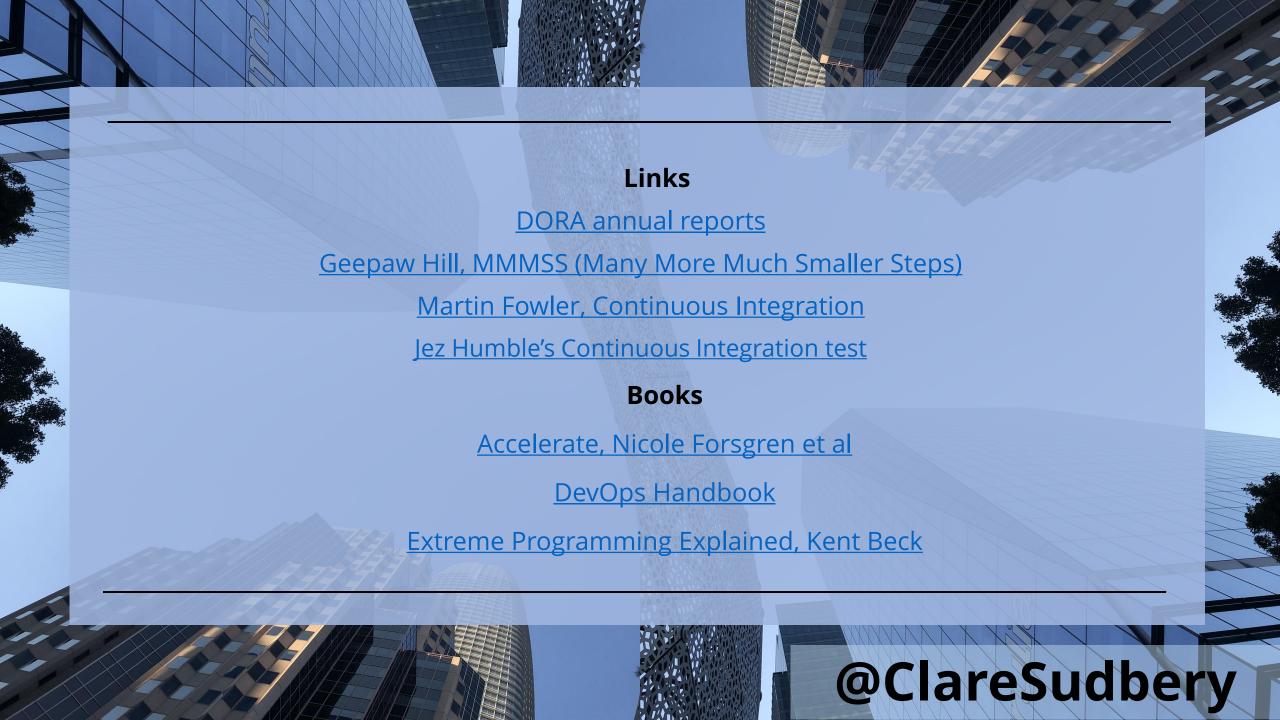
- Implement automated incremental testing
- Minimize dependencies
- Speed up your tests
- Keep the build green
- Build and test on your own machine first
- Push frequently
- Use TDD (Test-Driven Development)
- Refactor frequently
- Throw things away





MMMSS (Many More Much Smaller Steps) Get help **Build trust** Collaborate Be patient Interactive code reviews And if you have all that, then maybe... **Avoid branches** No Pull Requests (PRs)







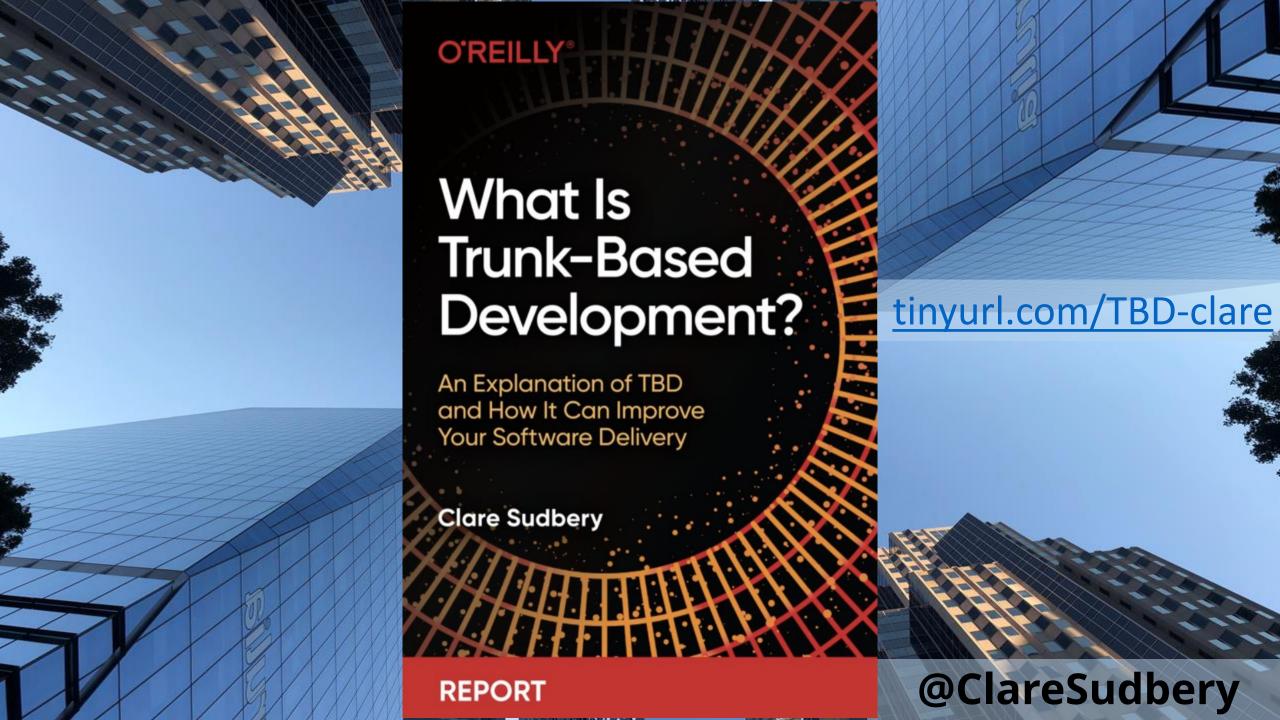












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## Questions?

