



Trunk Based Development

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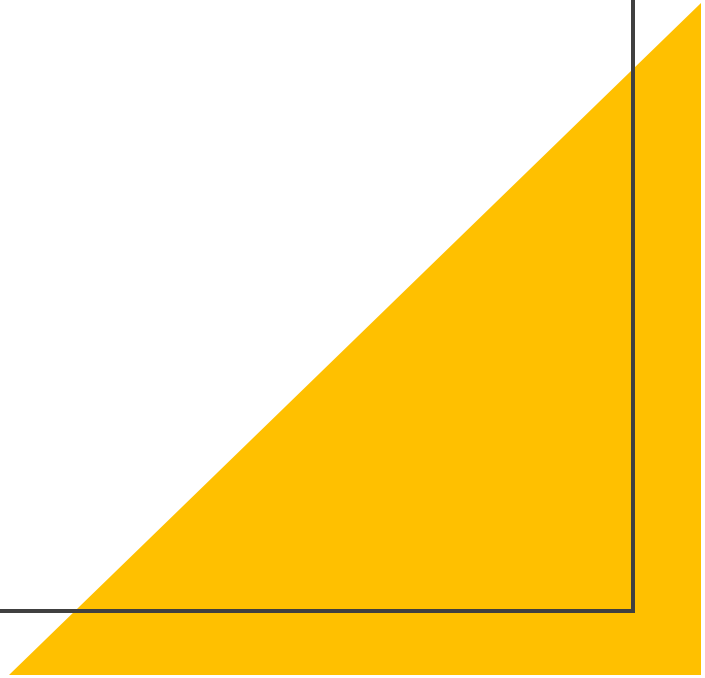
Introduction

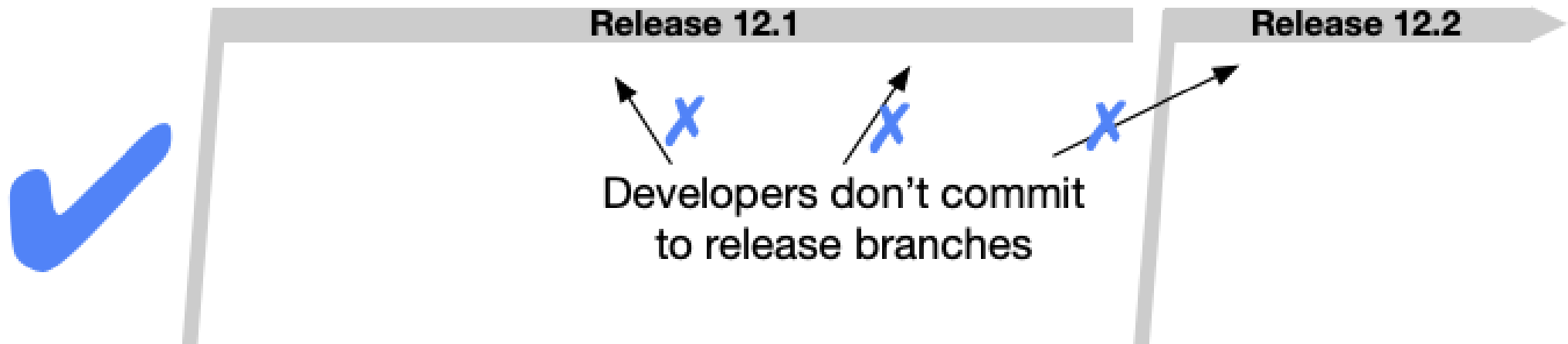
- Version Control System
- Trunk Based Development (TBD)
 - Single branch **trunk**
 - Any other branch has a short life

What is TBD:

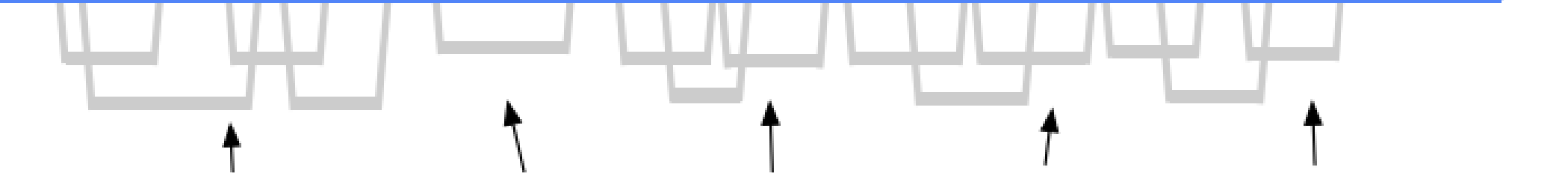
Principles:

- Continuous integration
- Small, frequent commits
- Shared ownership
- Feature flags
- Automated testing





Whole dev-team shared branch called **Trunk** (or master)

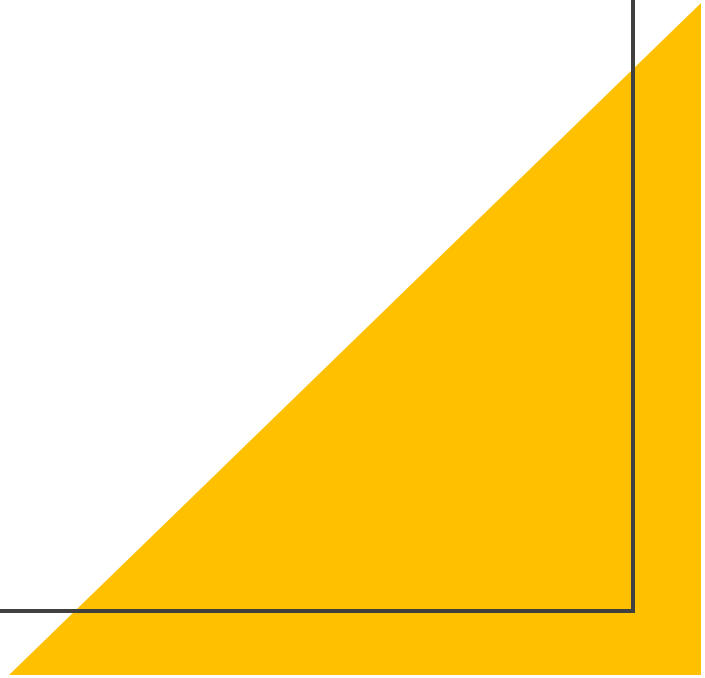


Trunk-Based Development at scale is best done with **short-lived feature branches**: one person over a couple of days (max) and **flowing through Pull-Request style code-review & build automation** before “integrating” (merging) into the trunk (or master)

Understanding TBD:

Benefits:

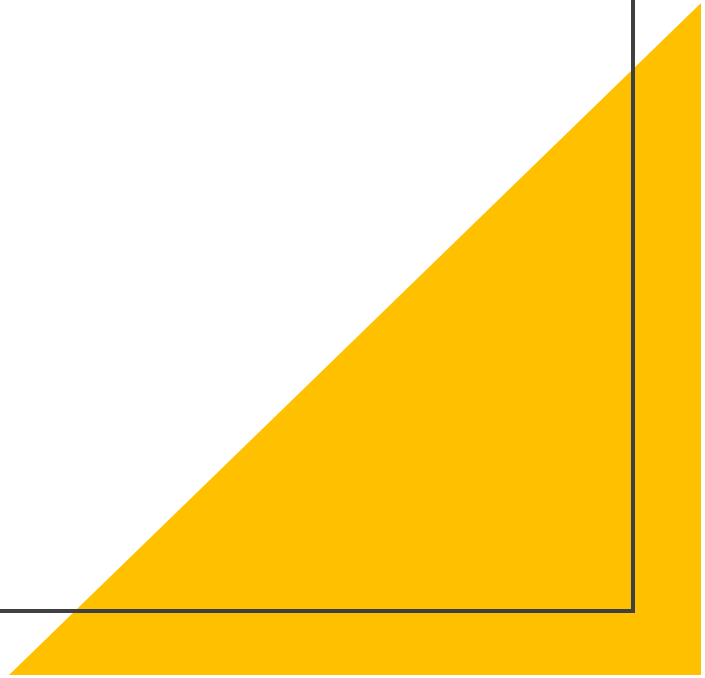
- Reduced merge conflicts
- Faster integration and feedback loops
- Improved visibility and collaboration
- Promotes code quality and stability



Understanding TBD:

Disadvantages:

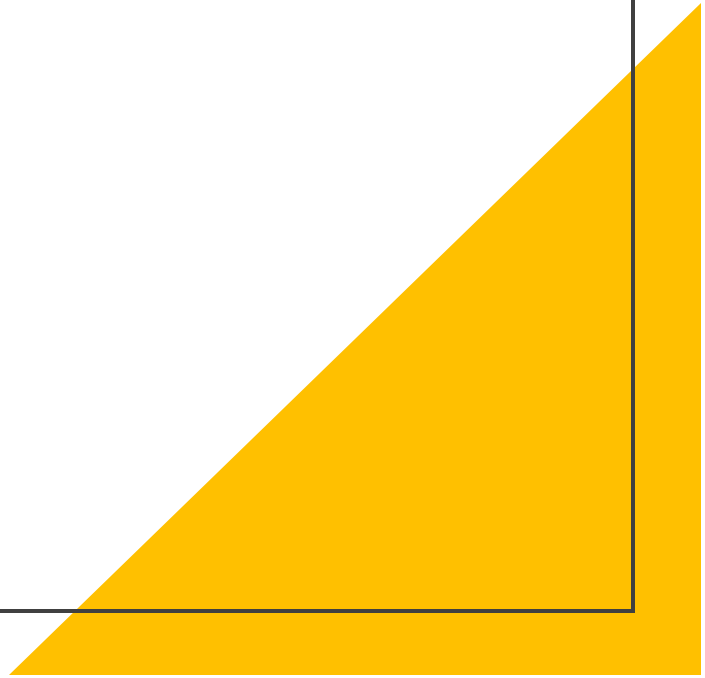
- Risk of breaking the build
- High amount of developers -> challenging
- Difficult to rollback changes



Comparison with other branching strategies:

Feature branching is another branching strategy:

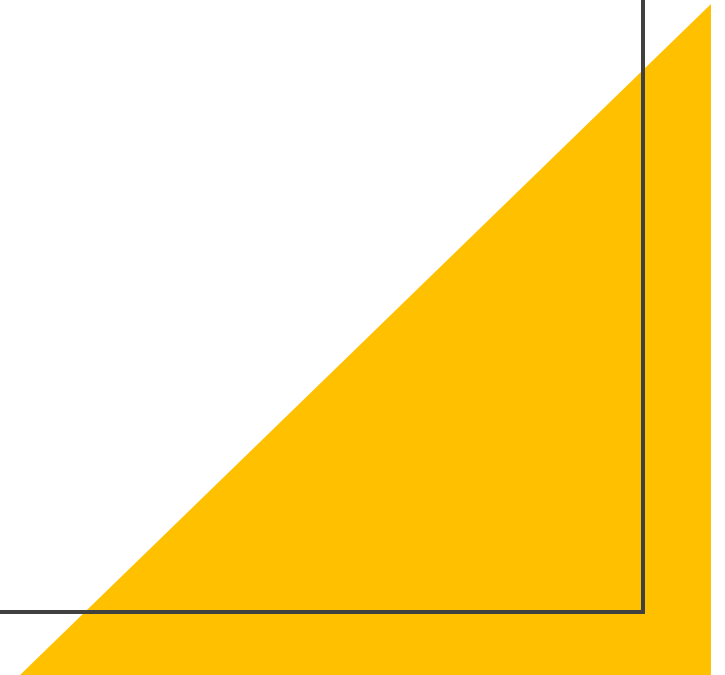
- One branch per feature or task
- Only merged to the main branch once the feature is finished



Comparison with other branching strategies:

Differences with Trunk based development regarding:

- Integration Frequency
- Visibility and Collaboration
- Parallel Development



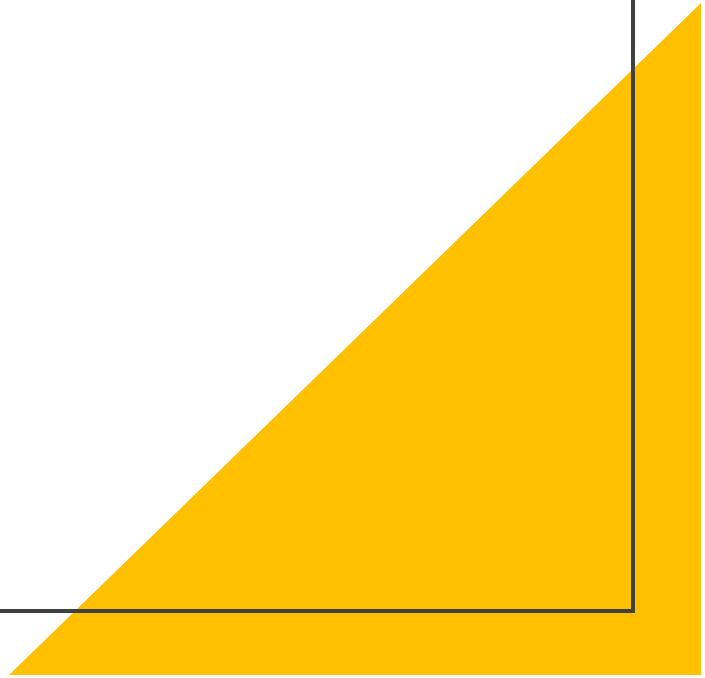
Profiles needed at TBD:

Programmers:

- Experienced (seniors)
- Take advantage from TBD's flexibility

Software architects:

- Know how to tell their ideas to other teams
- Trust on the programmers



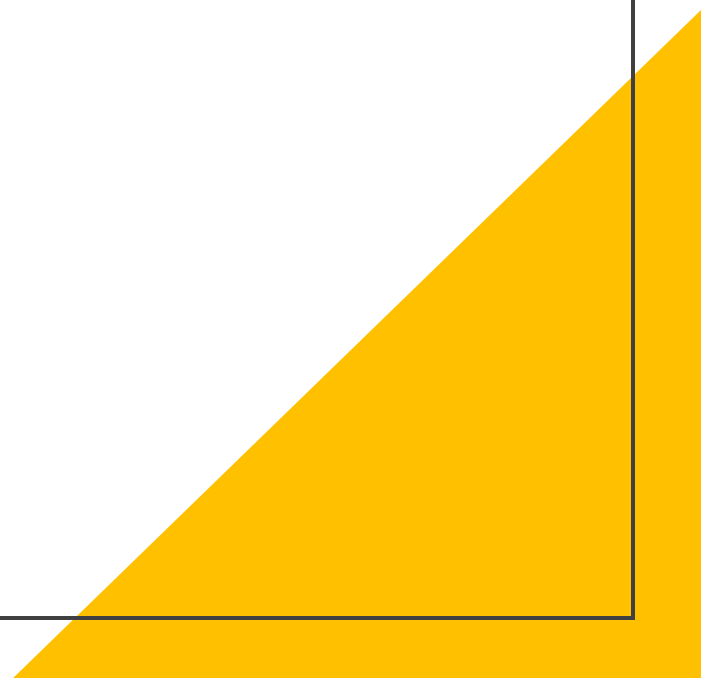
Complementing TBD:

Extreme programming:

- Flexible workflow for each team
- Continuous implementation

Pair programming:

- Solving conflicts as soon as possible
- Smaller chances of introducing bugs



Conclusions:

- Is it worth it?
- When should we use it?



Webgraphy

- [Trunk-based Development | Atlassian](#)
- [Git Branching Strategies: GitFlow, Github Flow, Trunk Based... \(abtasty.com\)](#)
- [¿Qué es DevOps? - Explicación de los modelos de DevOps - Amazon Web Services \(AWS\)](#)
- [Trunk Based Development](#)
- [Baeldung - Trunk-Based Development](#)