

Mobile release evolution @XING

Vilnius, 10/2018



XING^x

XING

+1 k employees (30+ nationalities)

+200 developer

+40 product teams

Founded 2003 as „Open BC“
since 2006 - listed company

HQ Hamburg

Professional network

People, Jobs, News, Events

+13 Mio users, DACH focus

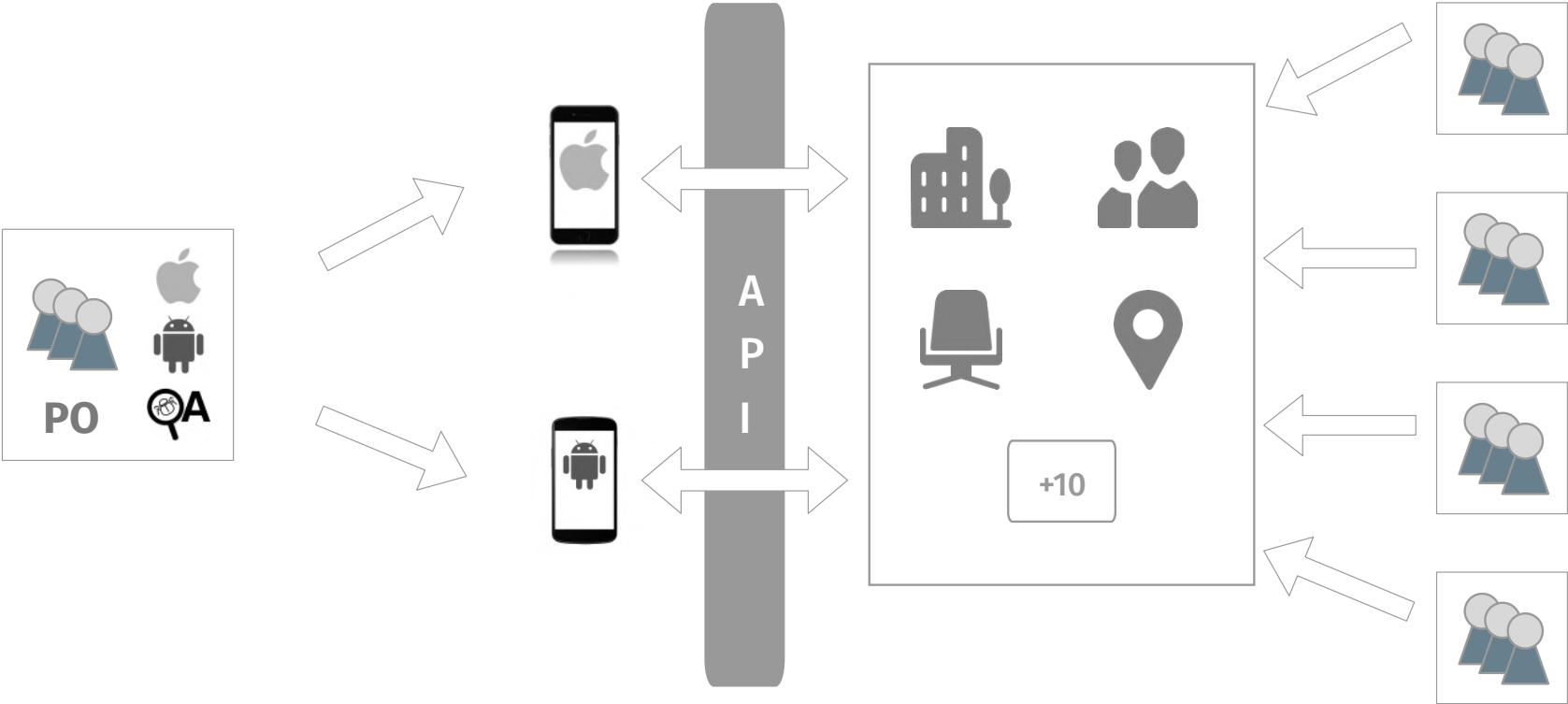


How did it start

2010-2012



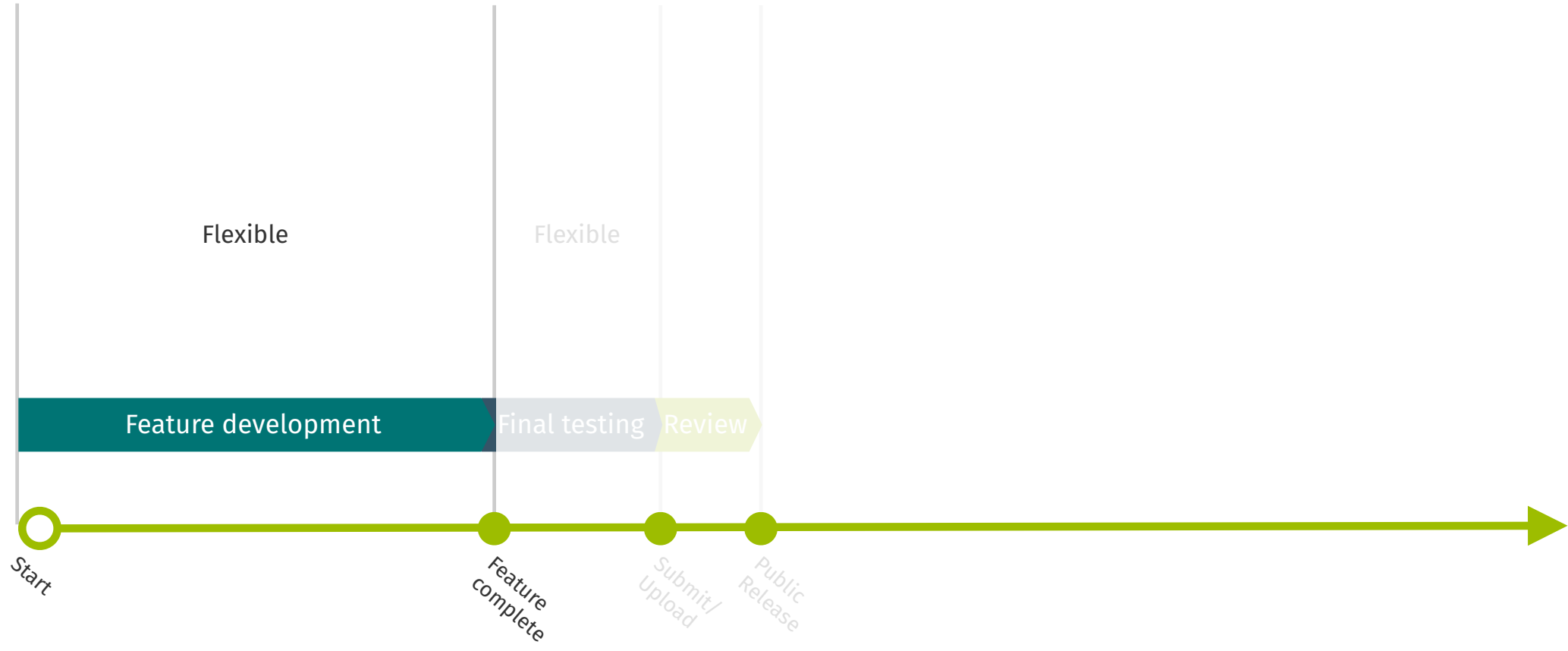
Development setup



QA Logo: <https://s3.amazonaws.com/kinlane-productions/bw-icons/bw-qa.jpeg>

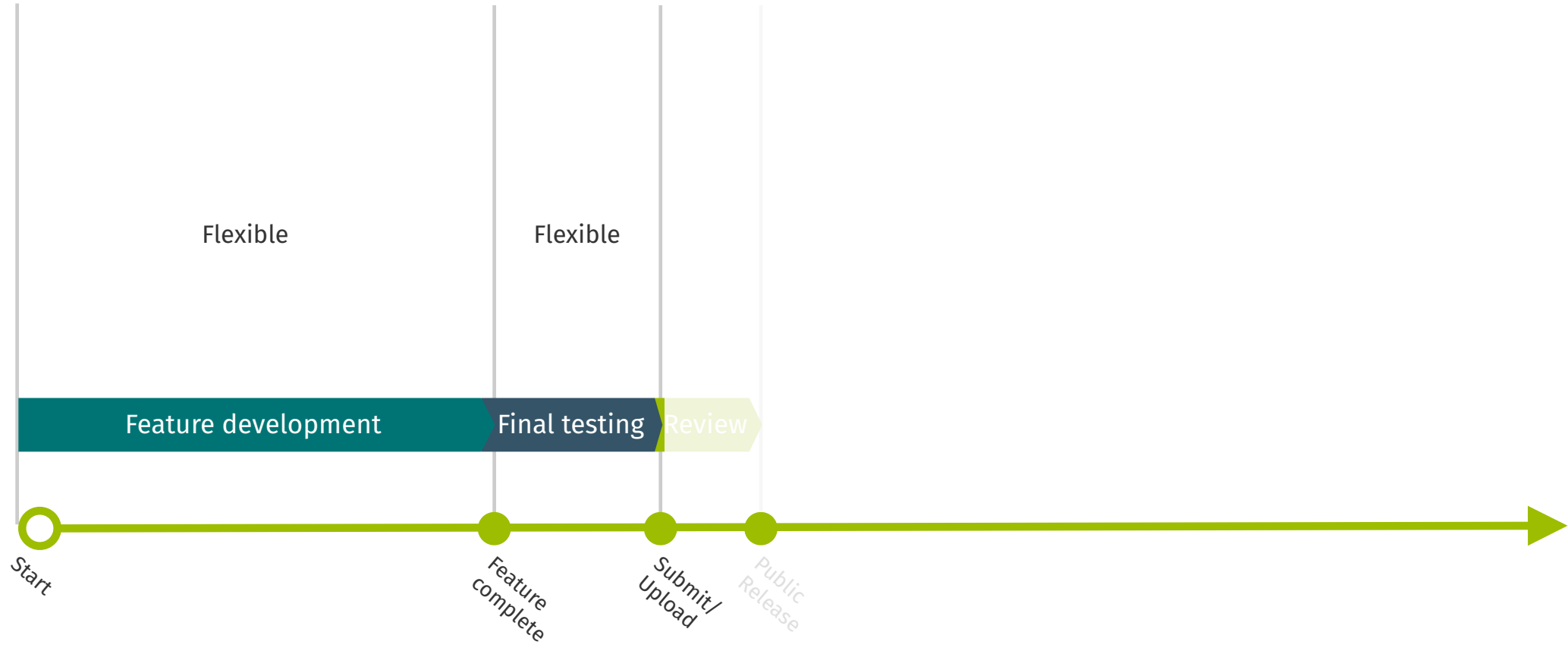


Irregular releases for iOS and Android



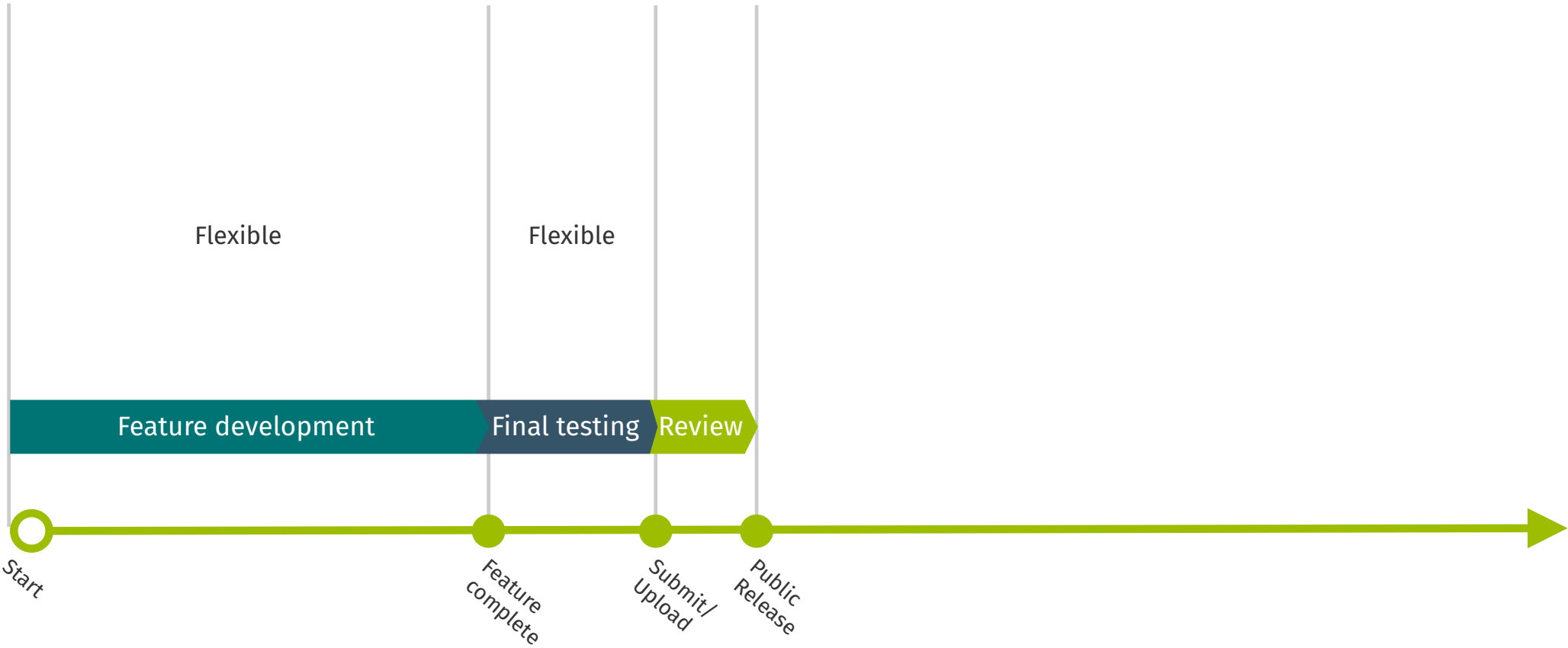


Irregular releases for iOS and Android



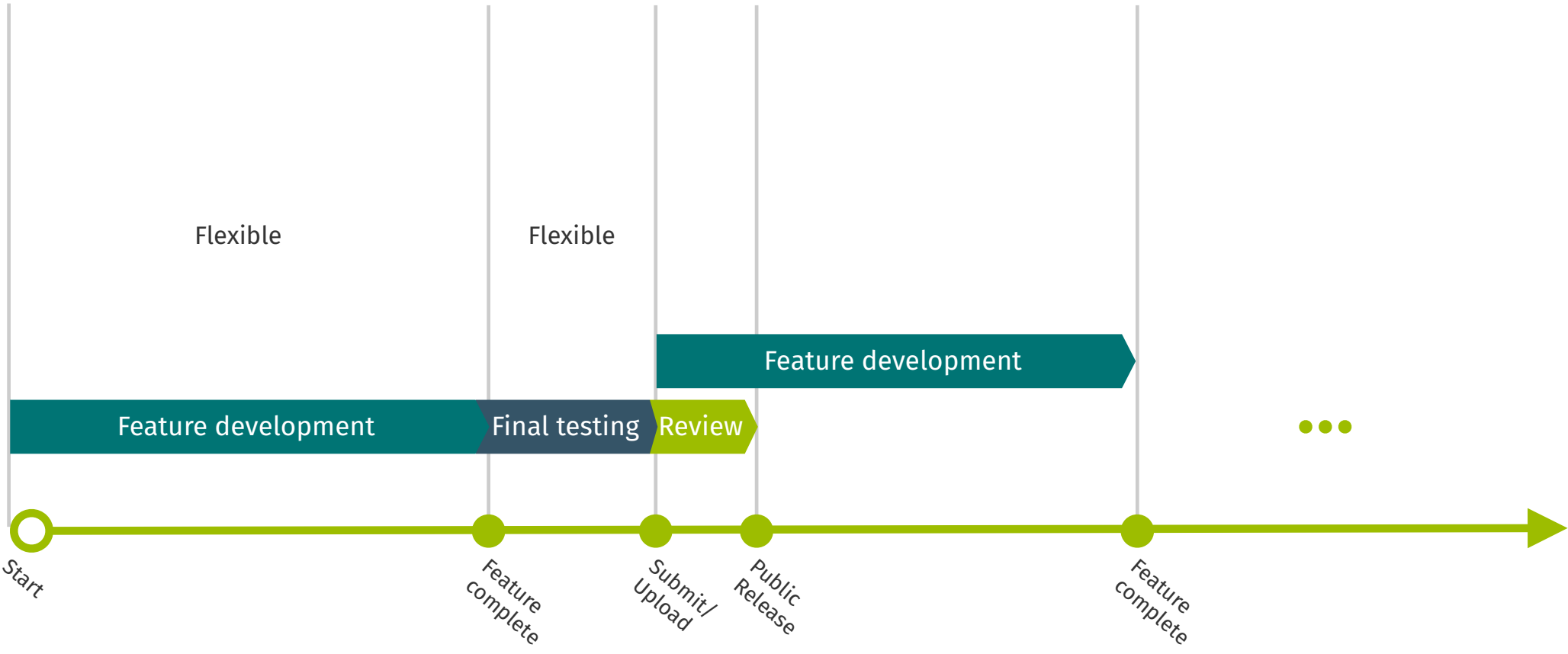


Irregular releases for iOS and Android





Irregular releases for iOS and Android



Facts

Central product, development & release
2 iOS / 2 Android devs

Feature driven releases

Few releases per year

Challenges

Slow „time to customer“

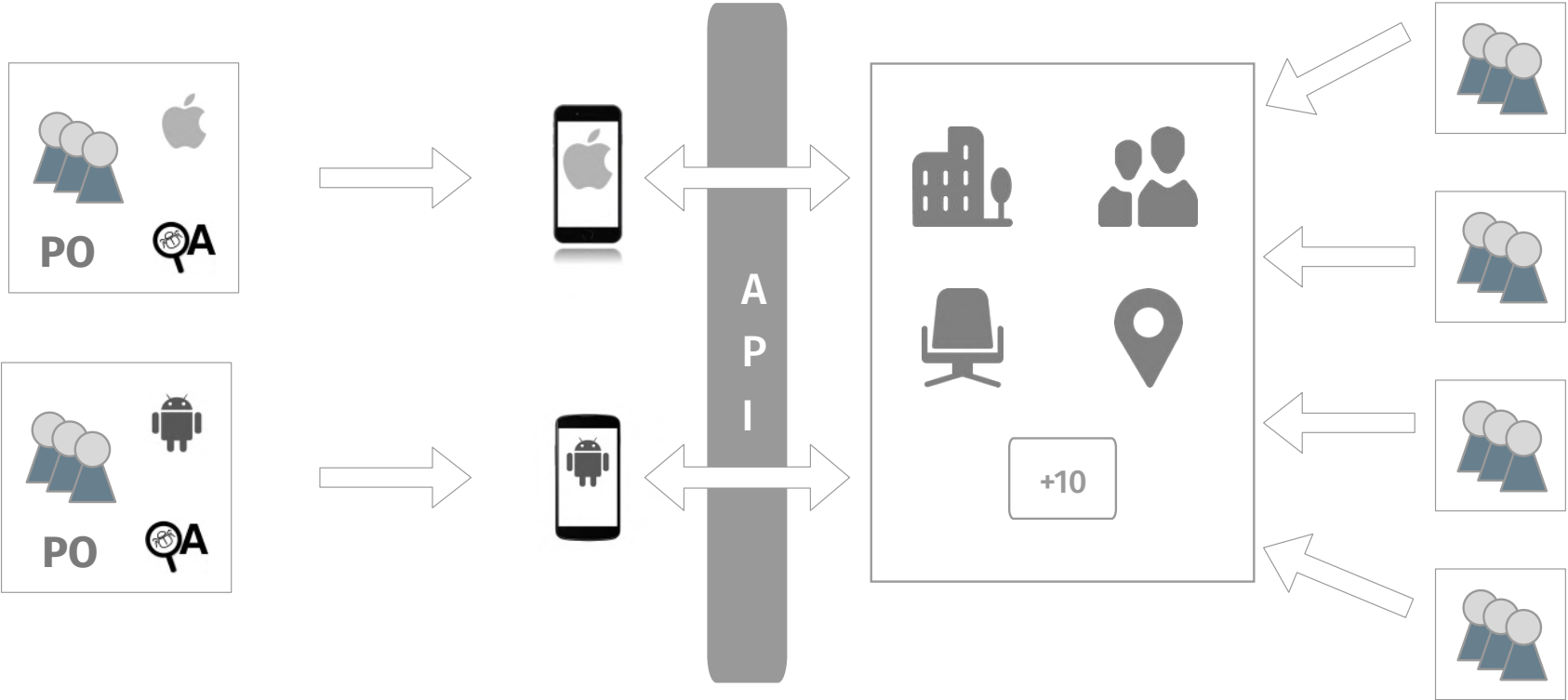
Mobile and API Teams- Bottleneck

Too many stakeholders / topics



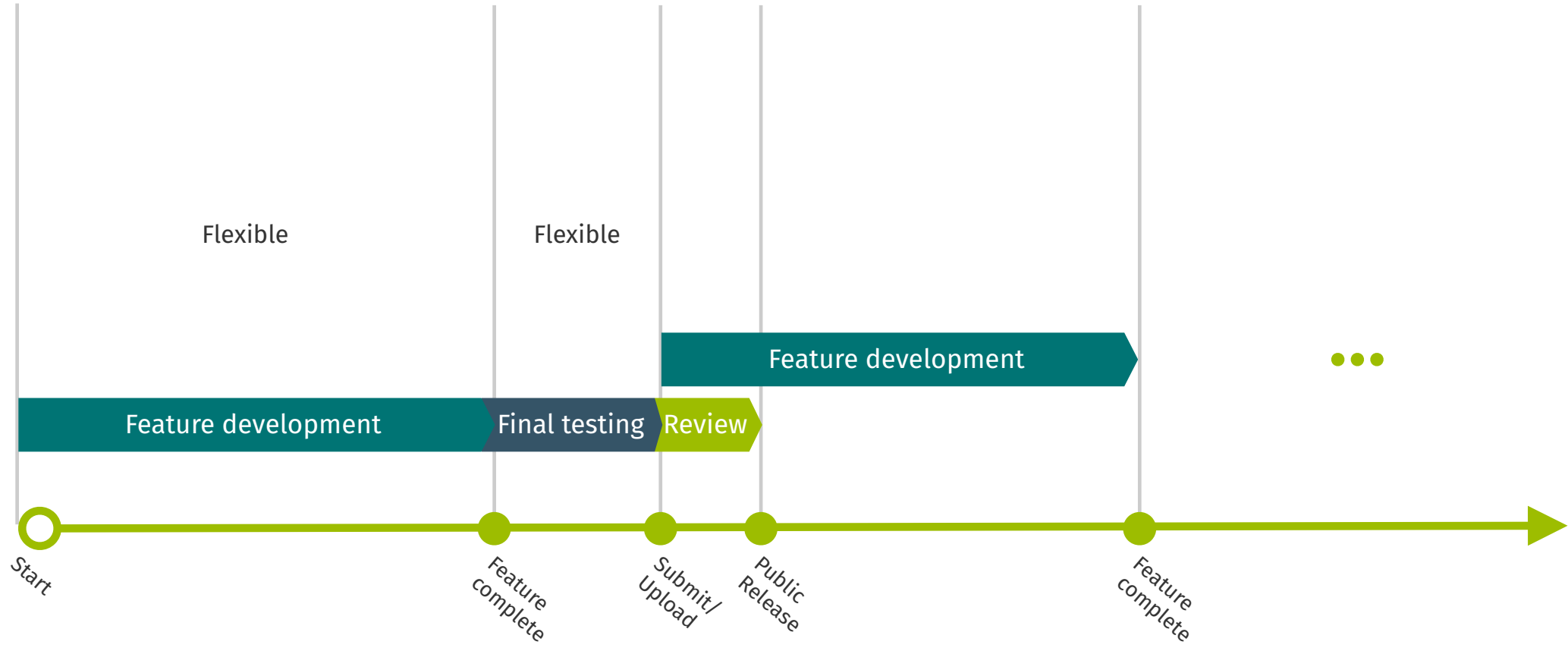
Team split 2013

Development setup



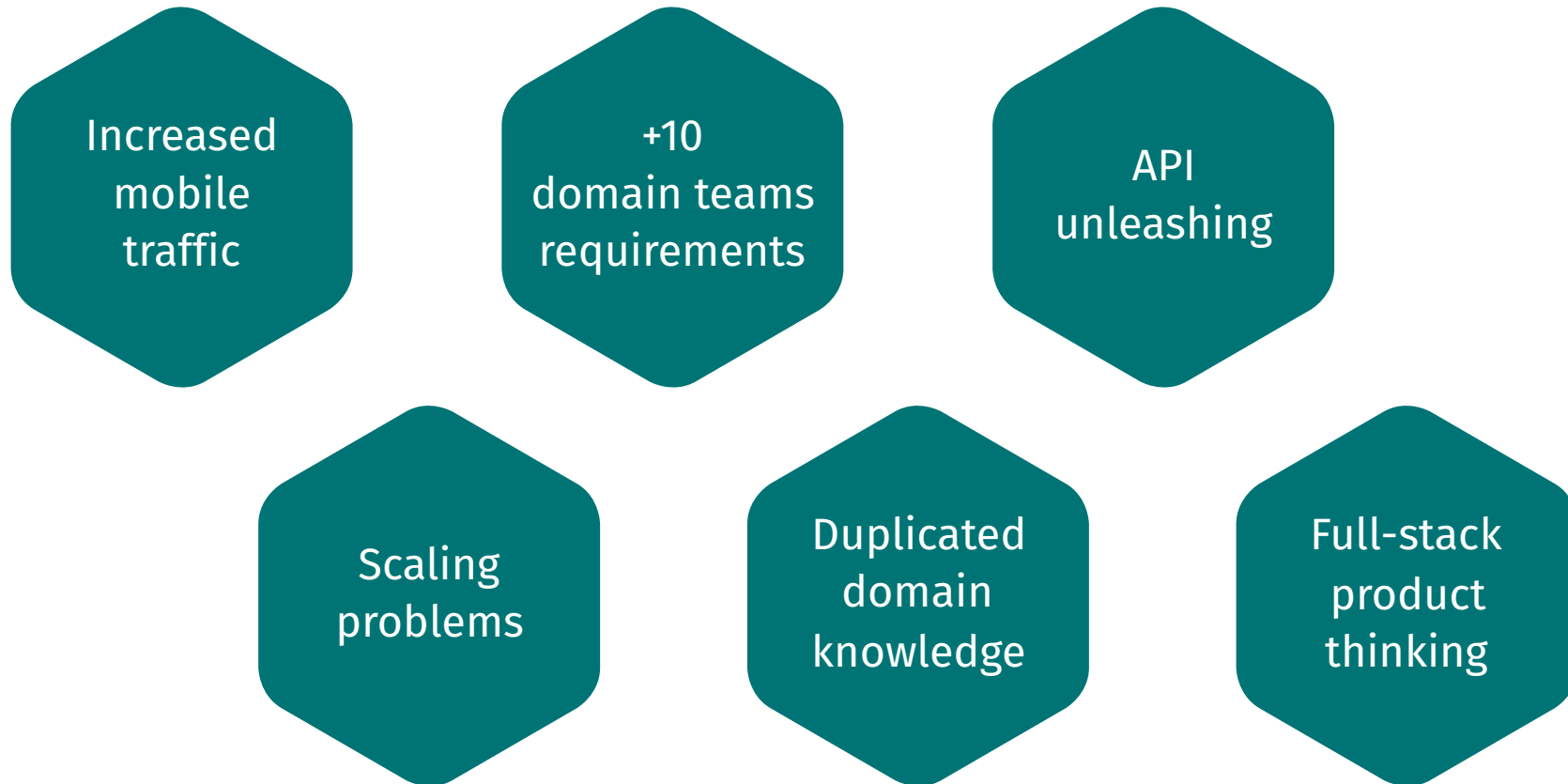


Irregular releases for iOS and Android





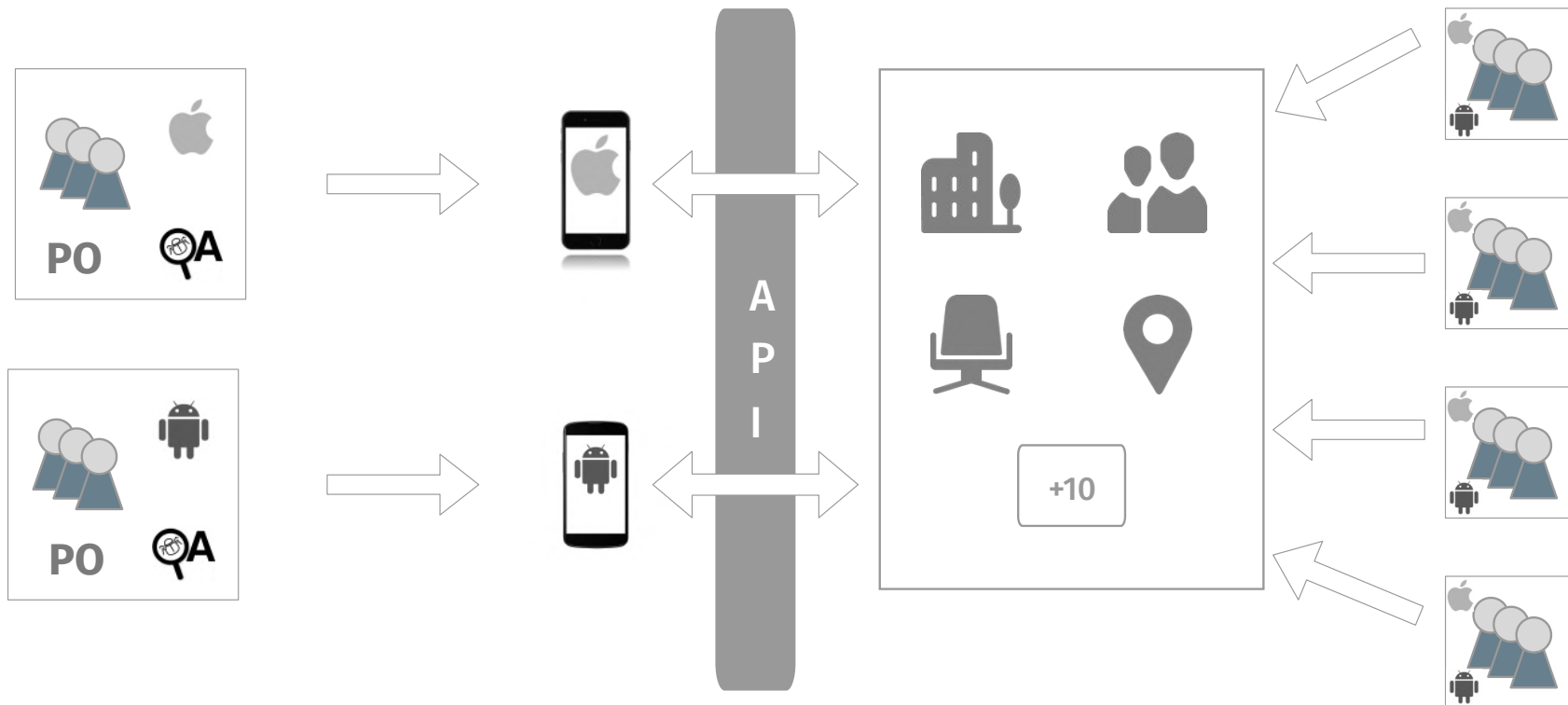
Why change?





Mobile Unleashing 2014

Development setup

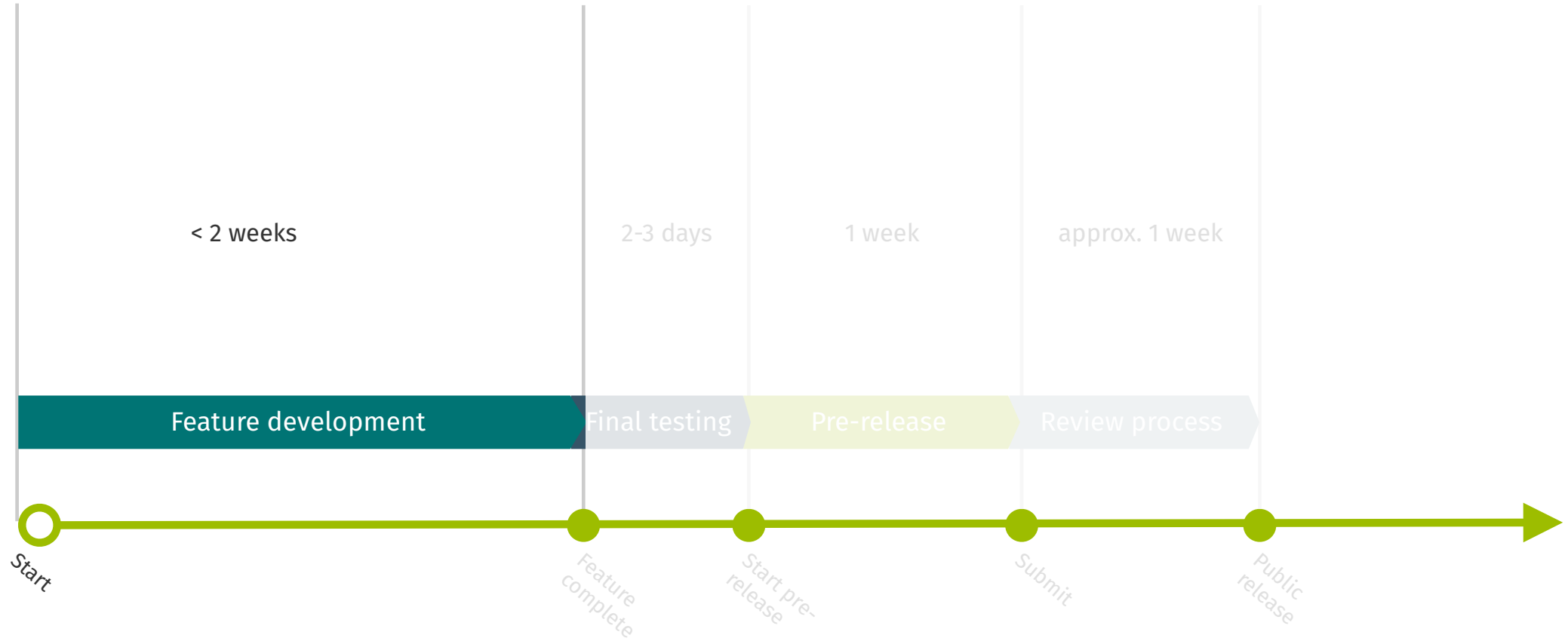




Release Train

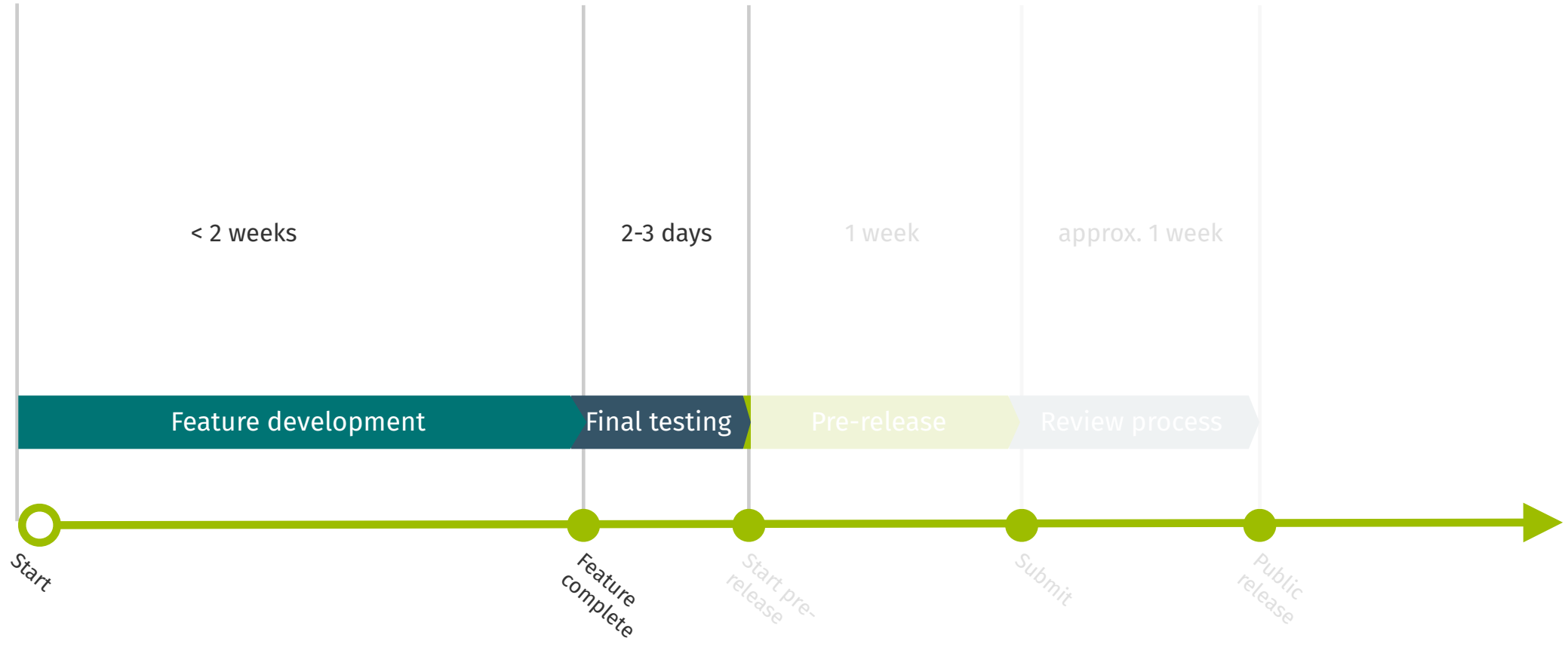


Regular release trains for iOS



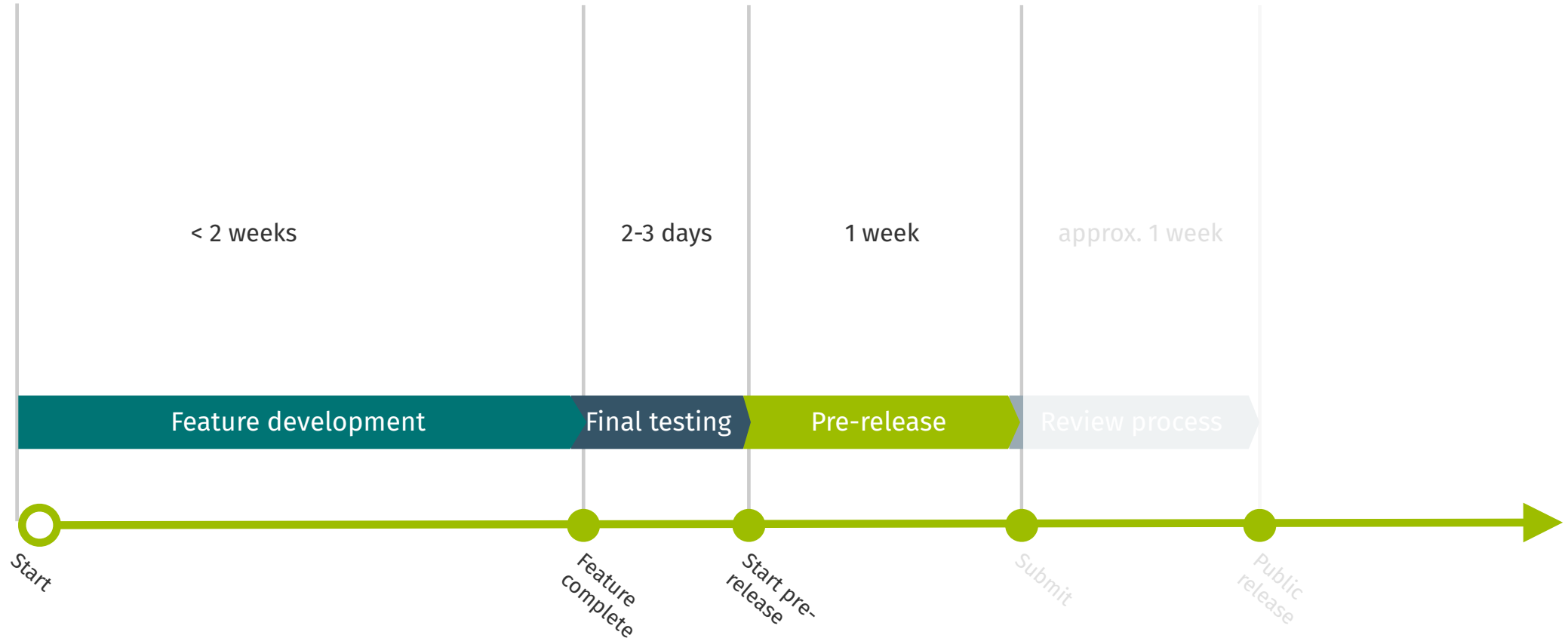


Regular release trains for iOS



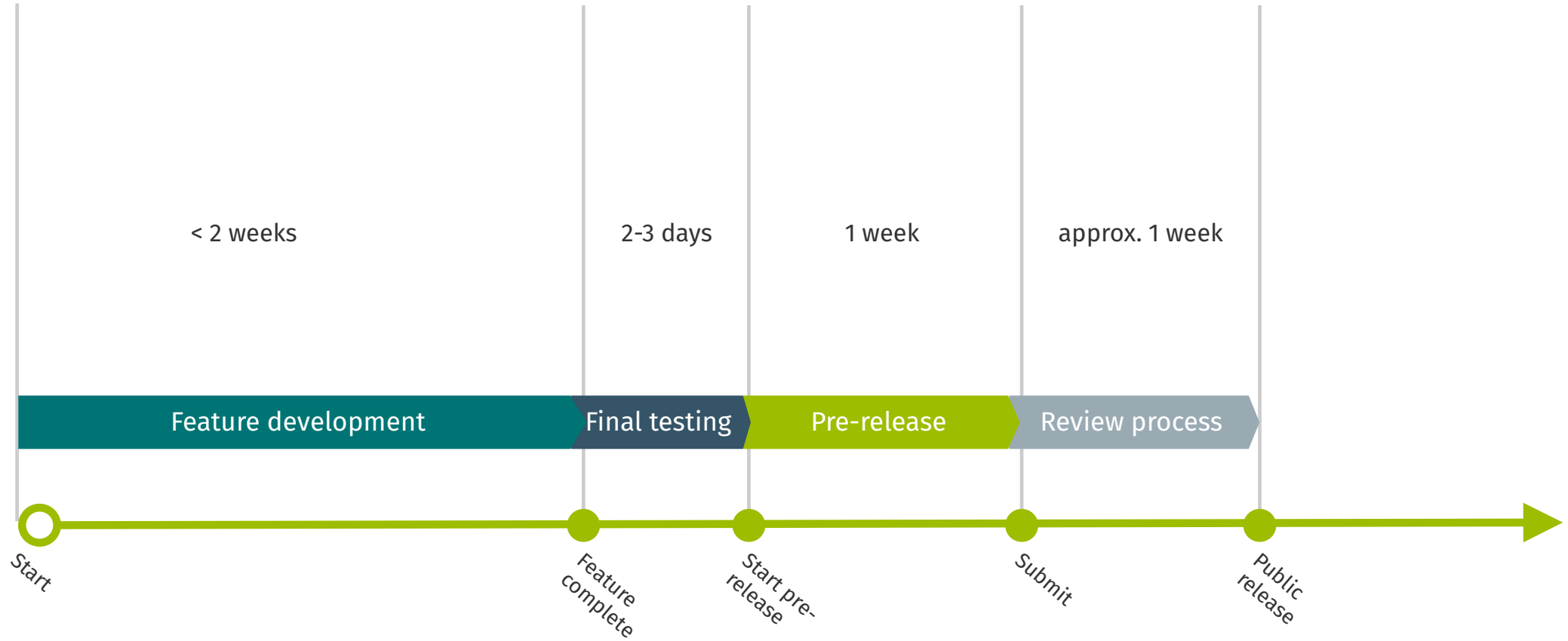


Regular release trains for iOS



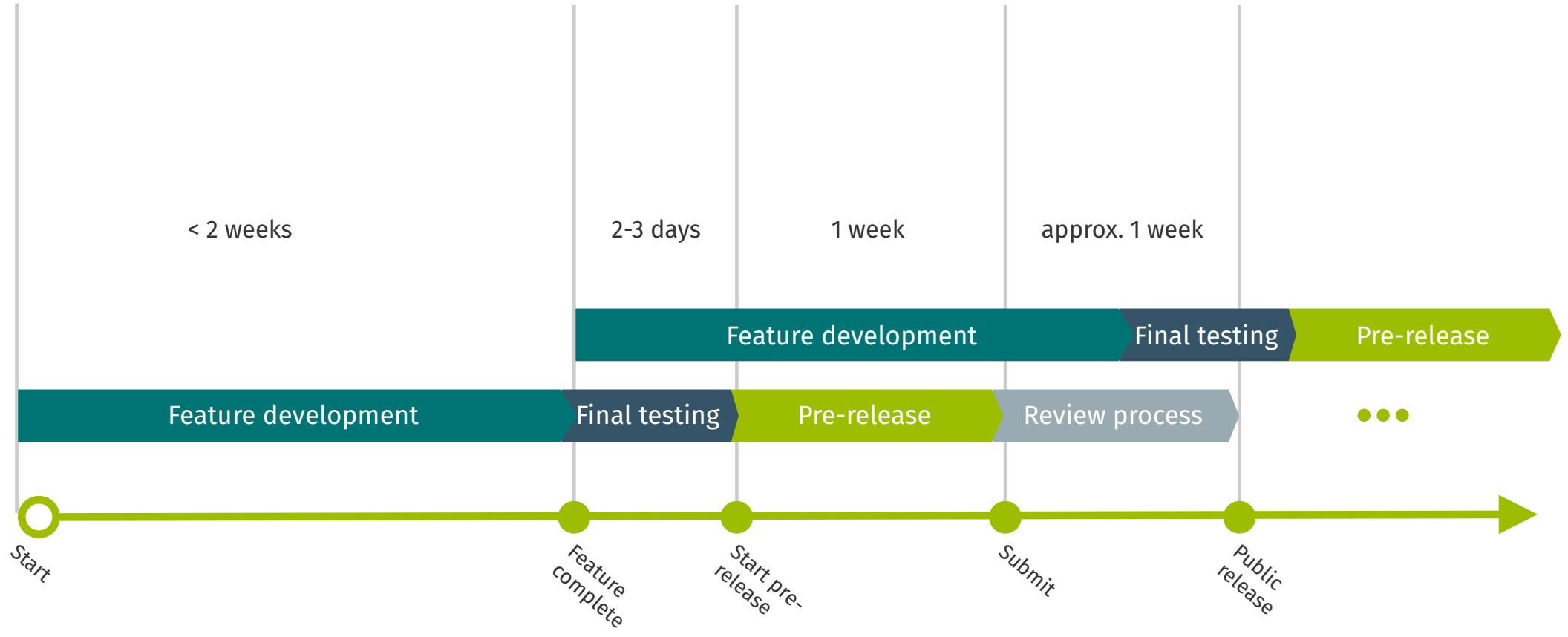


Regular release trains for iOS



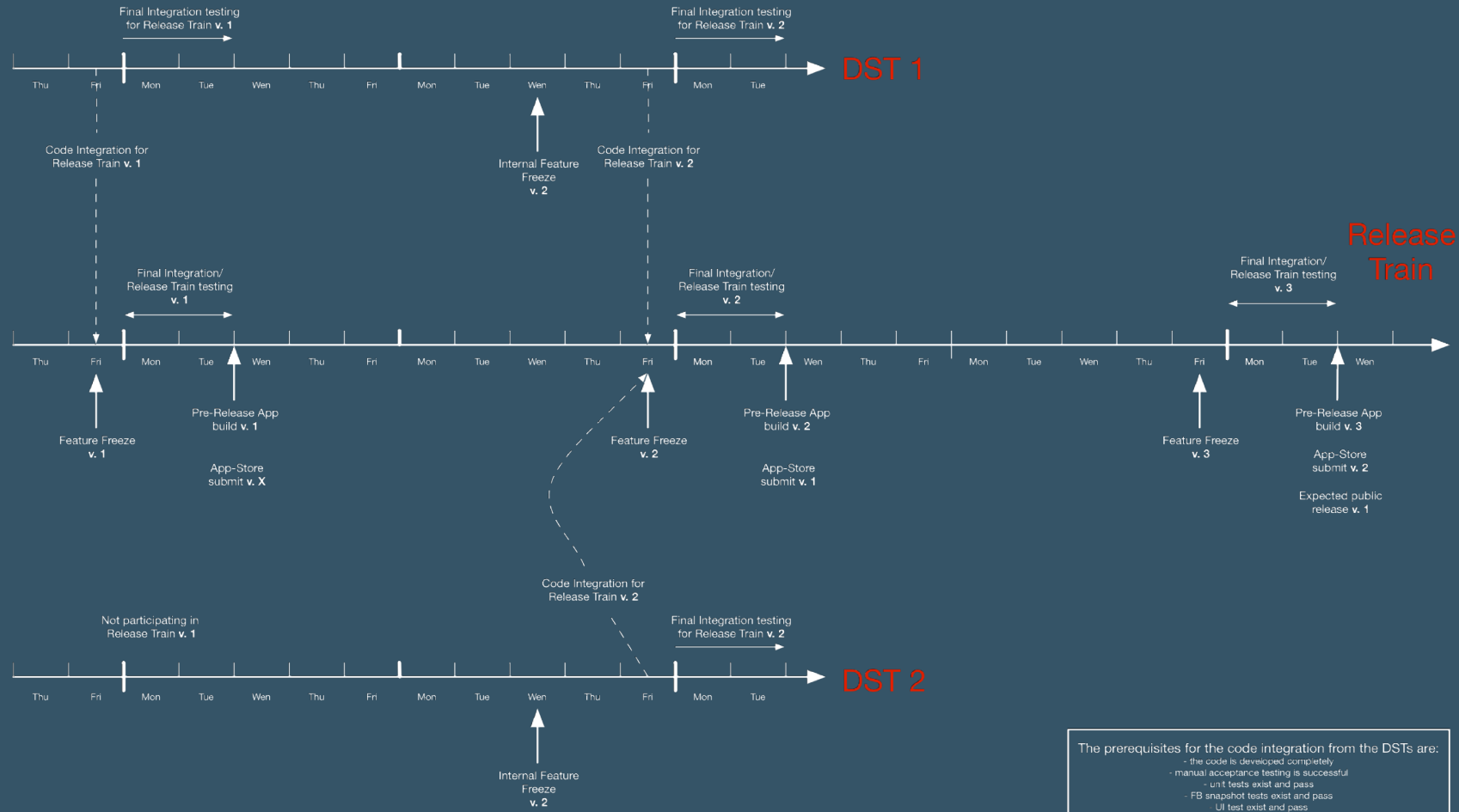


Regular release trains for iOS



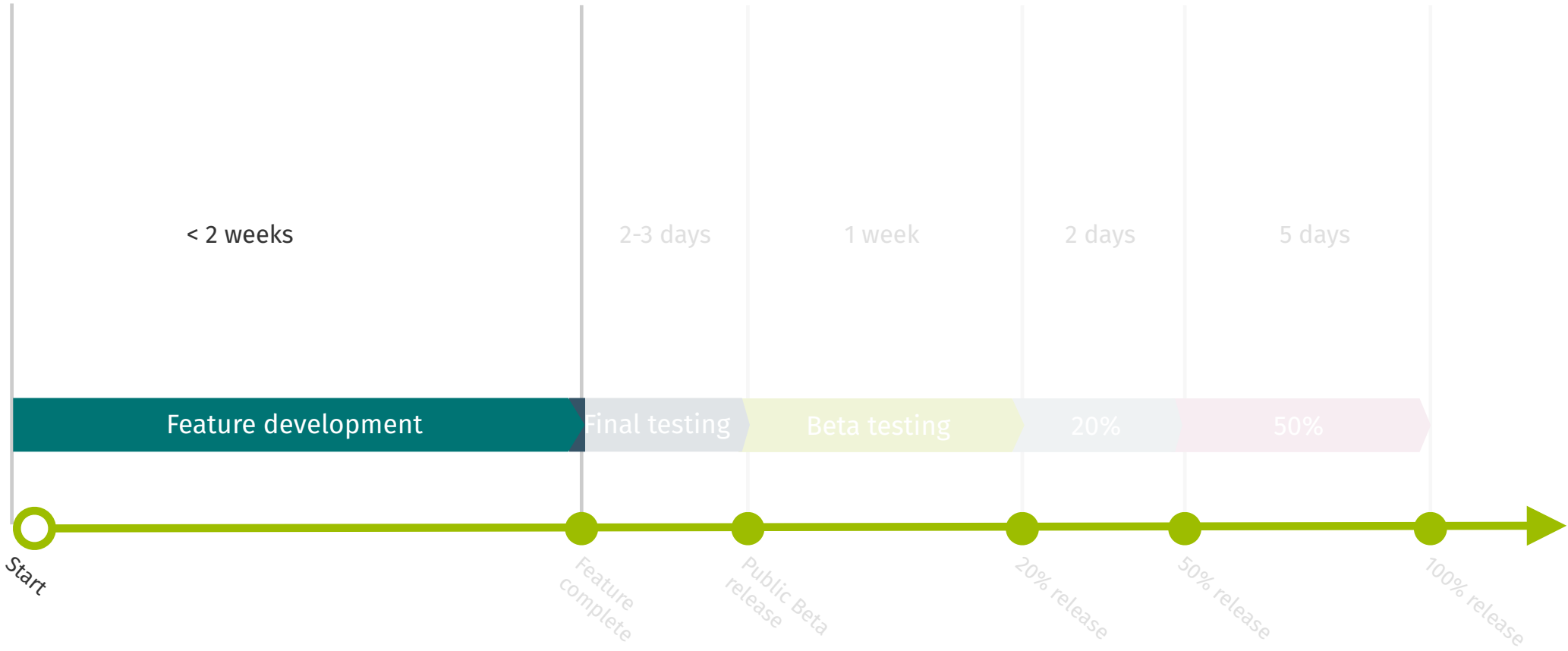


iOS Release Train



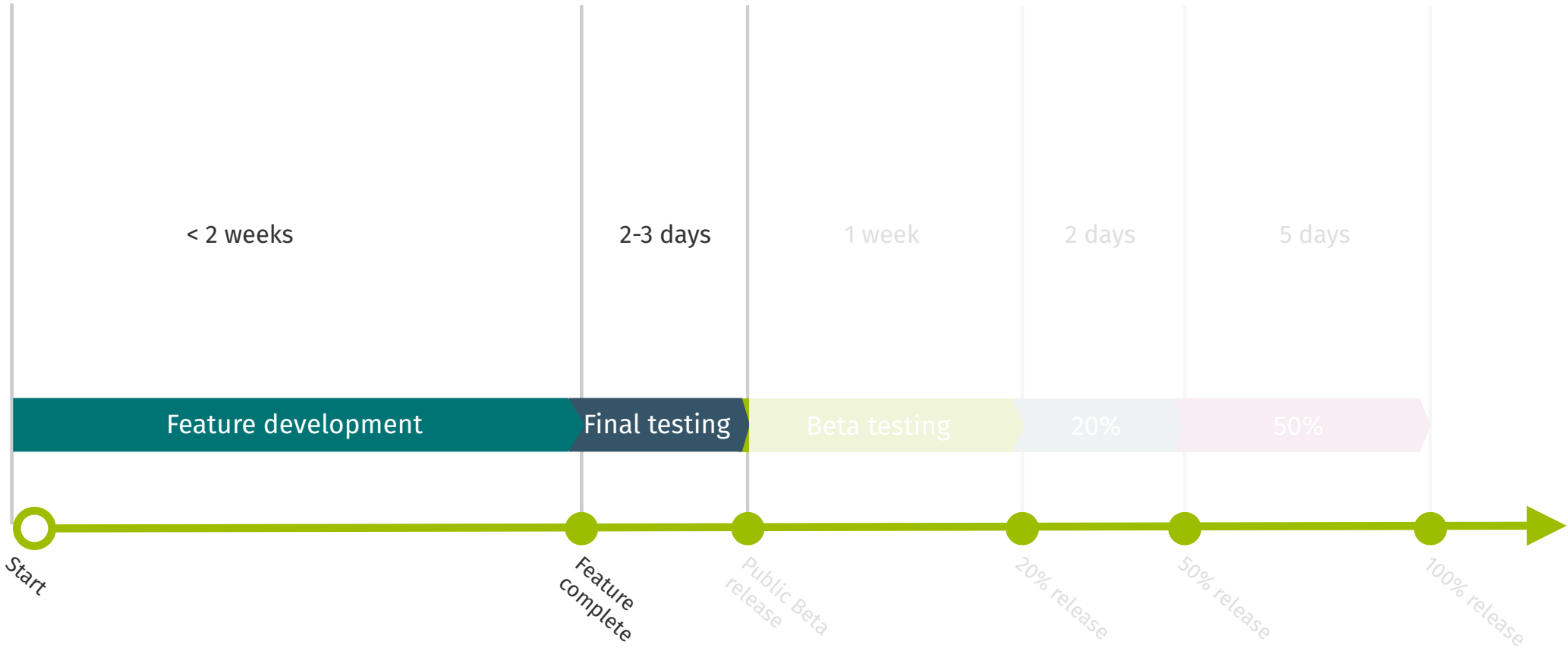


Regular releases trains for Android



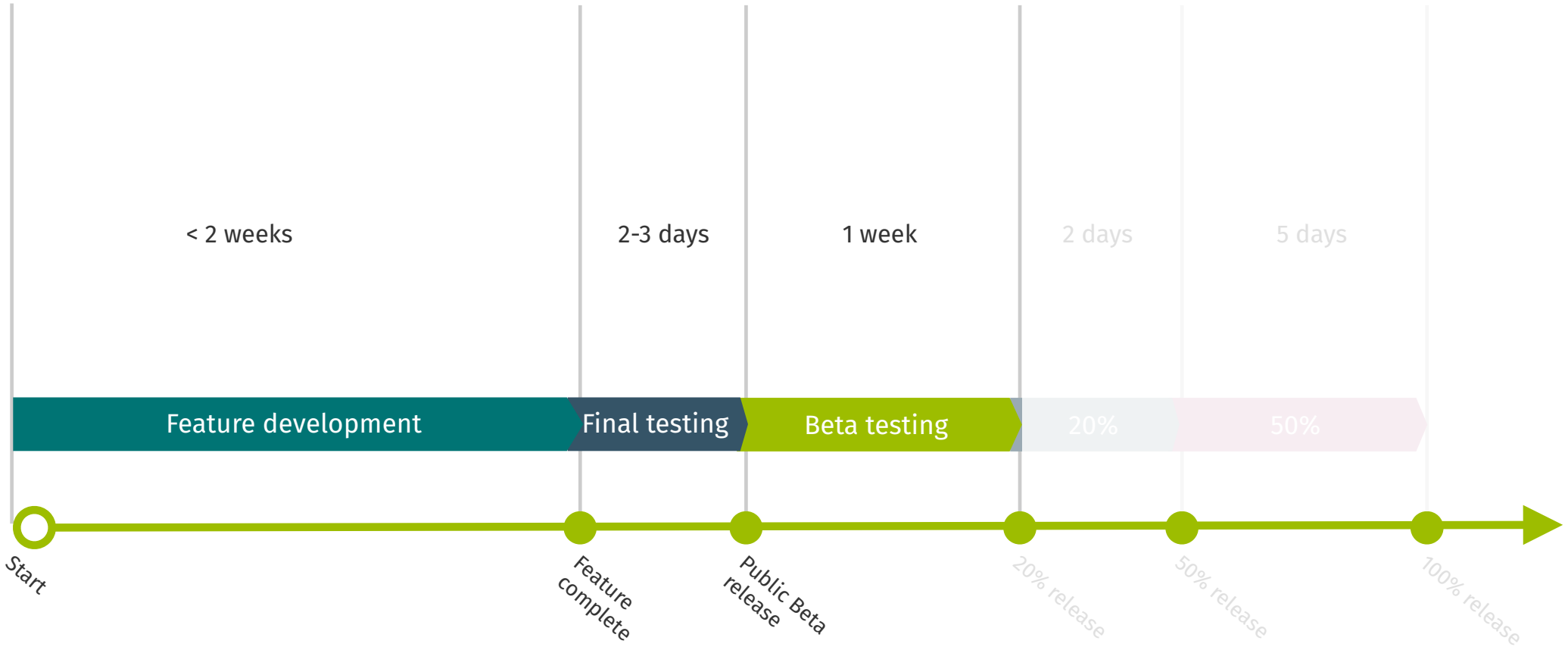


Regular releases trains for Android



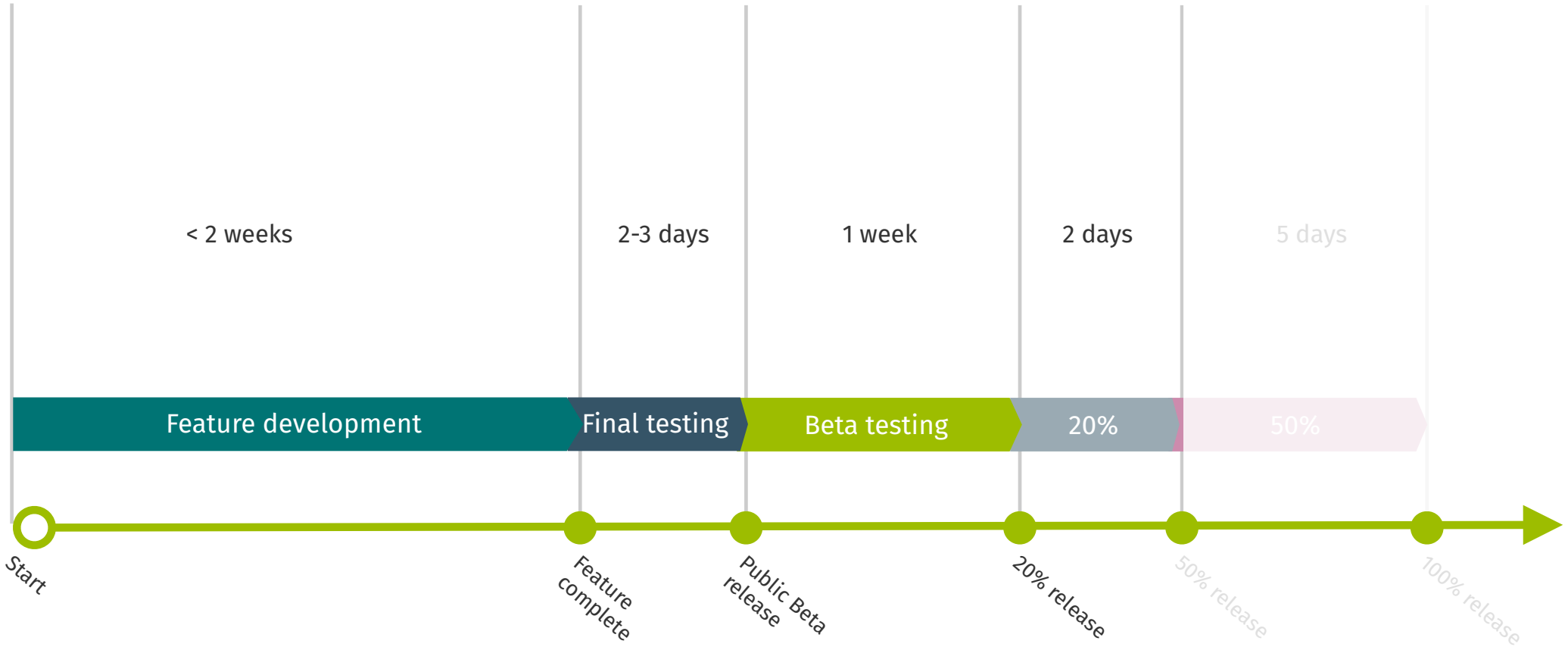


Regular releases trains for Android



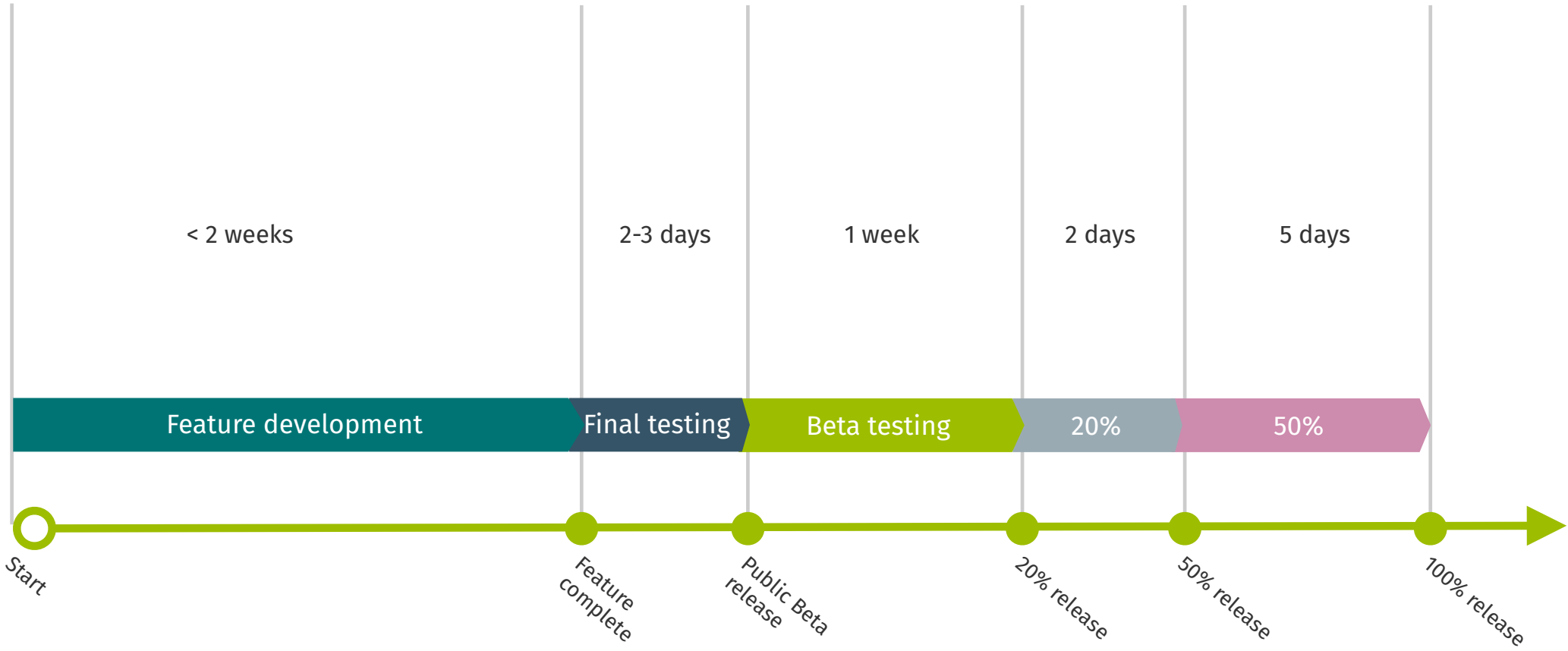


Regular releases trains for Android



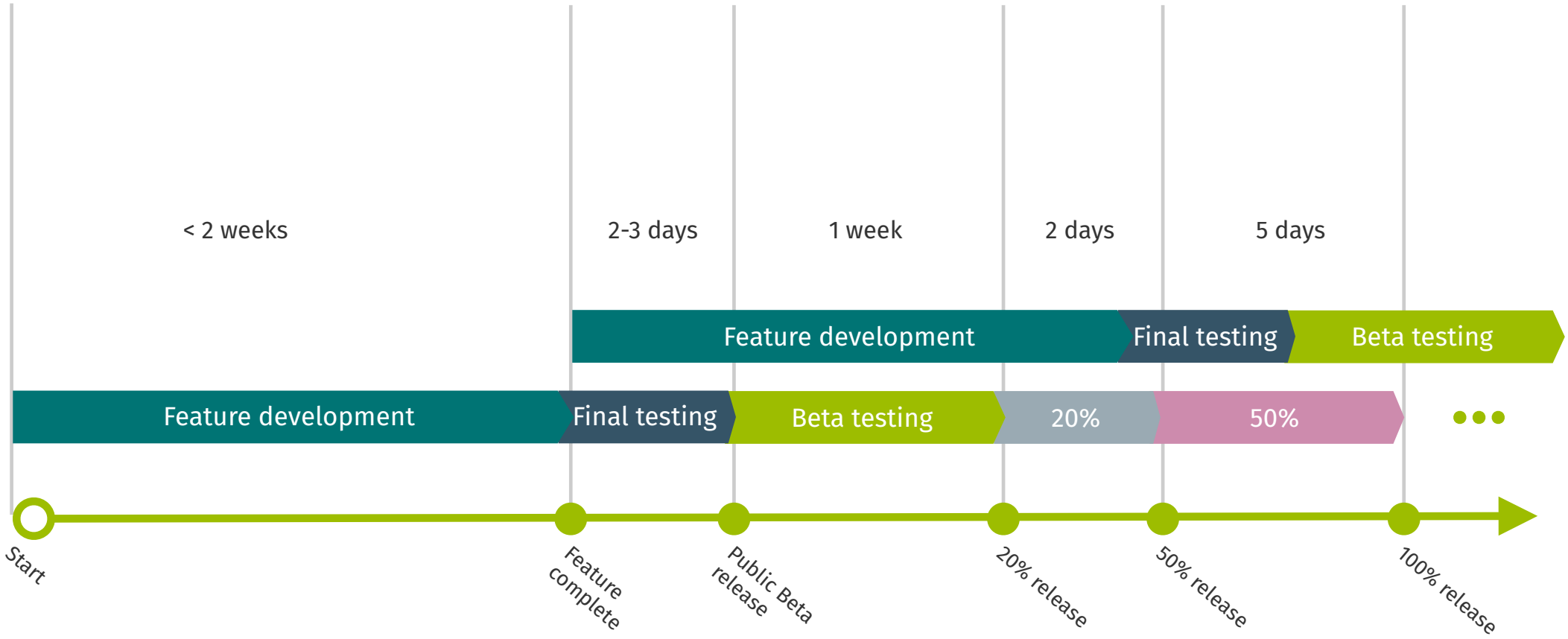


Regular releases trains for Android





Regular releases trains for Android



Prerequisites



Test automation



Unified tooling



Team cooperation

Patterns



Team responsibility



Prerequisites



Test automation



Unified tooling



Team cooperation

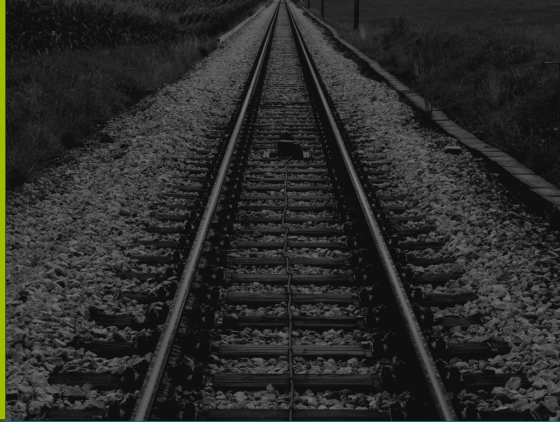
Patterns



Team responsibility



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Team responsibility



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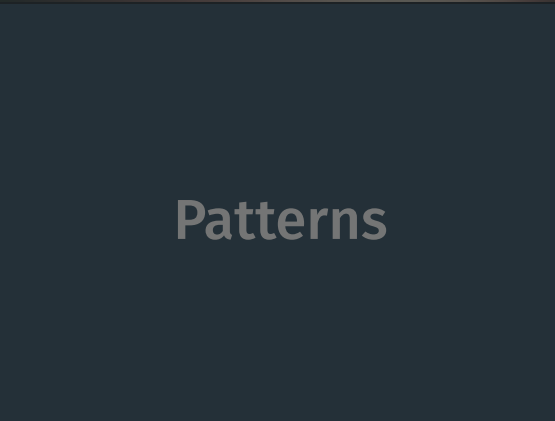
Team cooperation



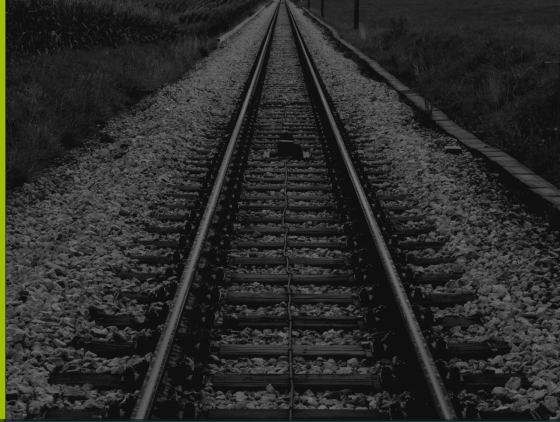
Patterns



Team responsibility



Prerequisites



Test automation



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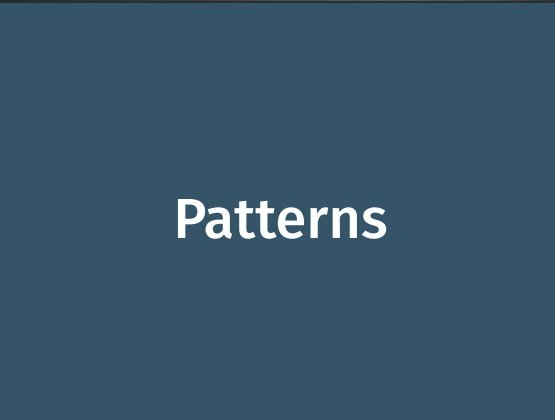
Team cooperation



Patterns



Team responsibility



Prerequisites



Test automation



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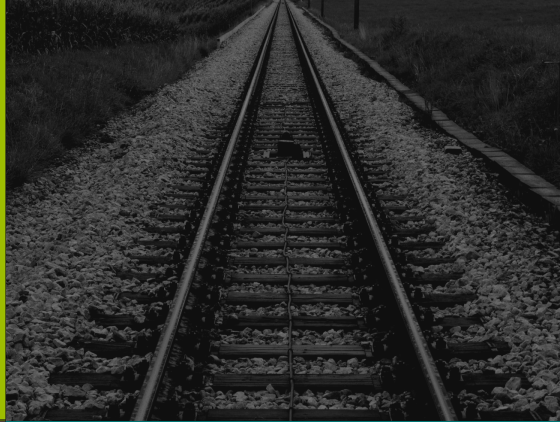
Patterns



Team responsibility



Prerequisites



Test automation



Unified tooling



Team cooperation

Patterns



Team responsibility



Facts

Distributed asynchronous
product development
10 iOS / 10 Android devs

Centralized release per platform

Development start → release
4 weeks cycle

Challenges

Several versions simultaneously
in roll out phase

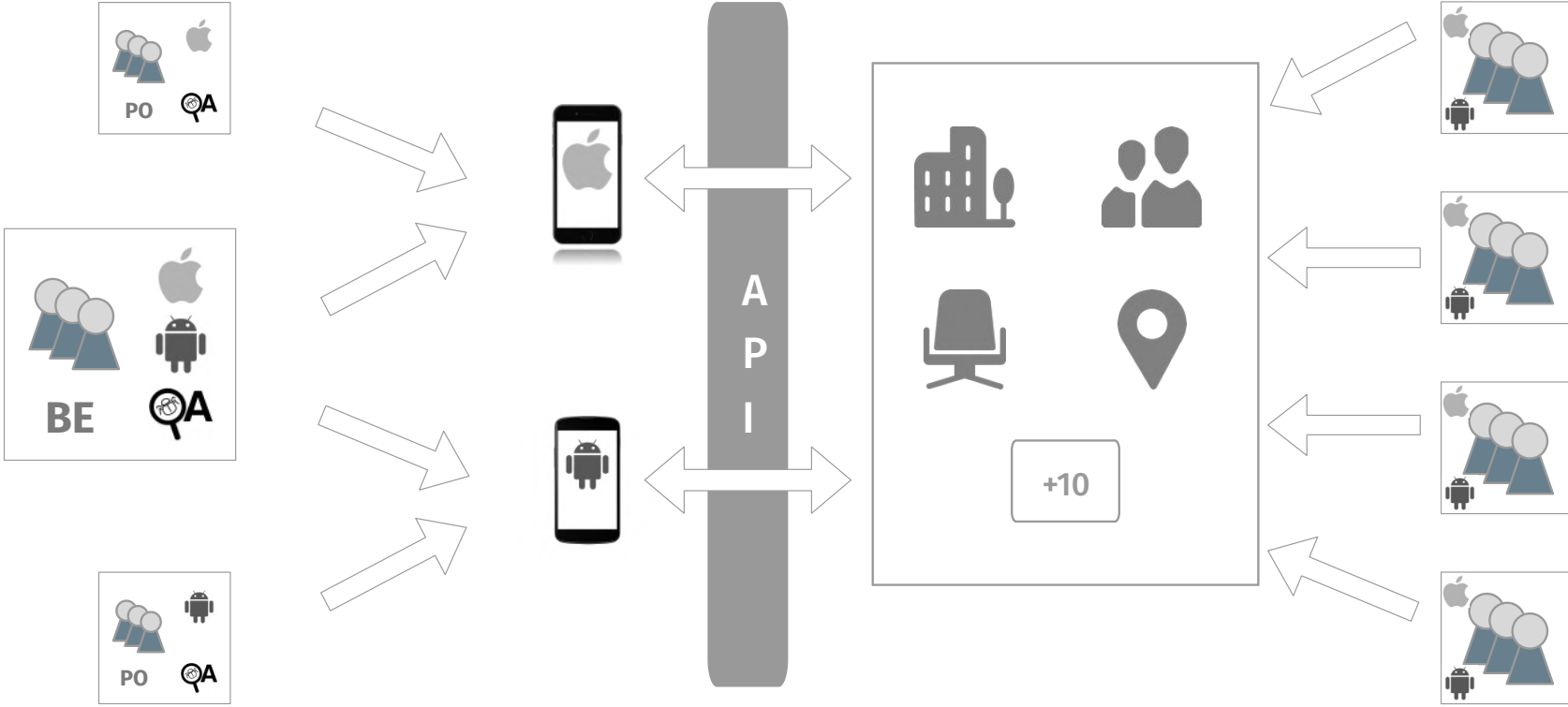
Different processes for iOS
and Android

Mandatory tools/processes



Release Team

Development setup





Who is doing what?

Platform teams + DST's:

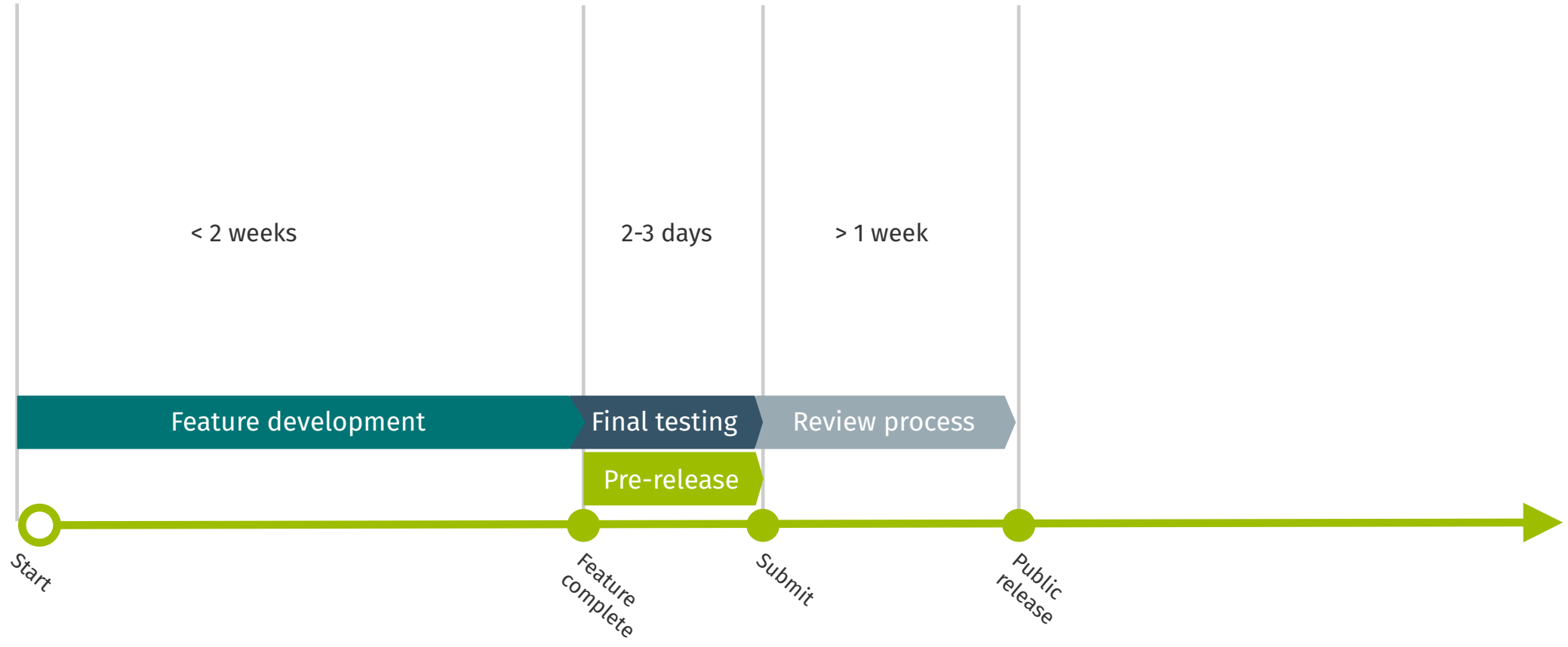
What (content)

Releases Team:

How (process)

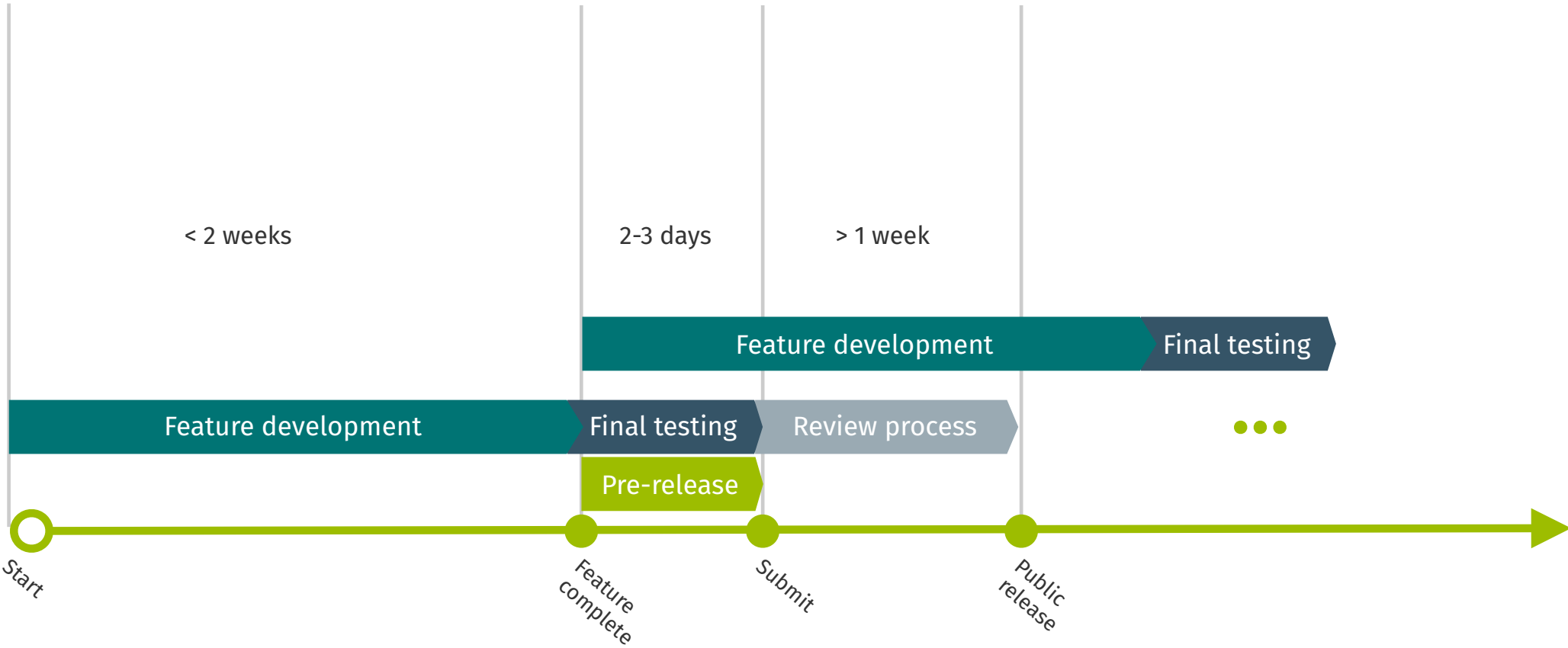


Regular release trains for iOS



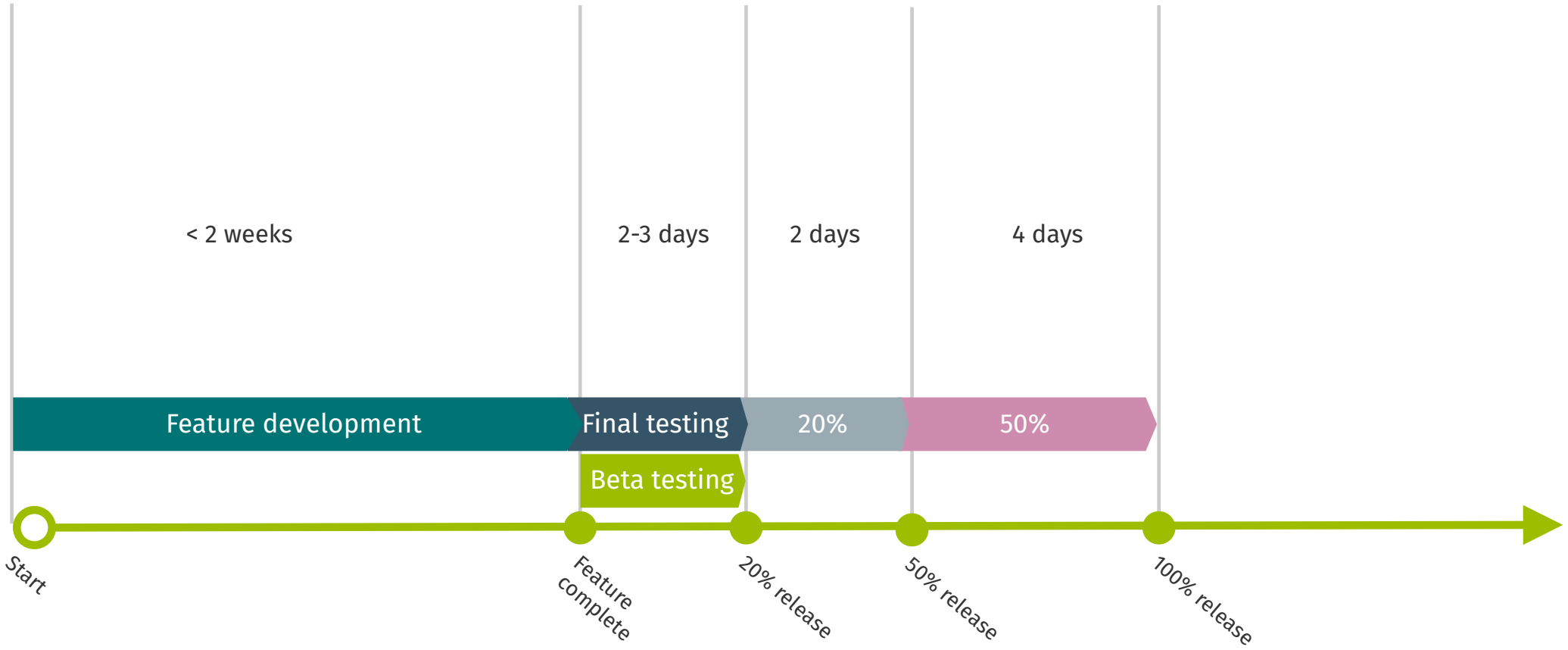


Regular release trains for iOS



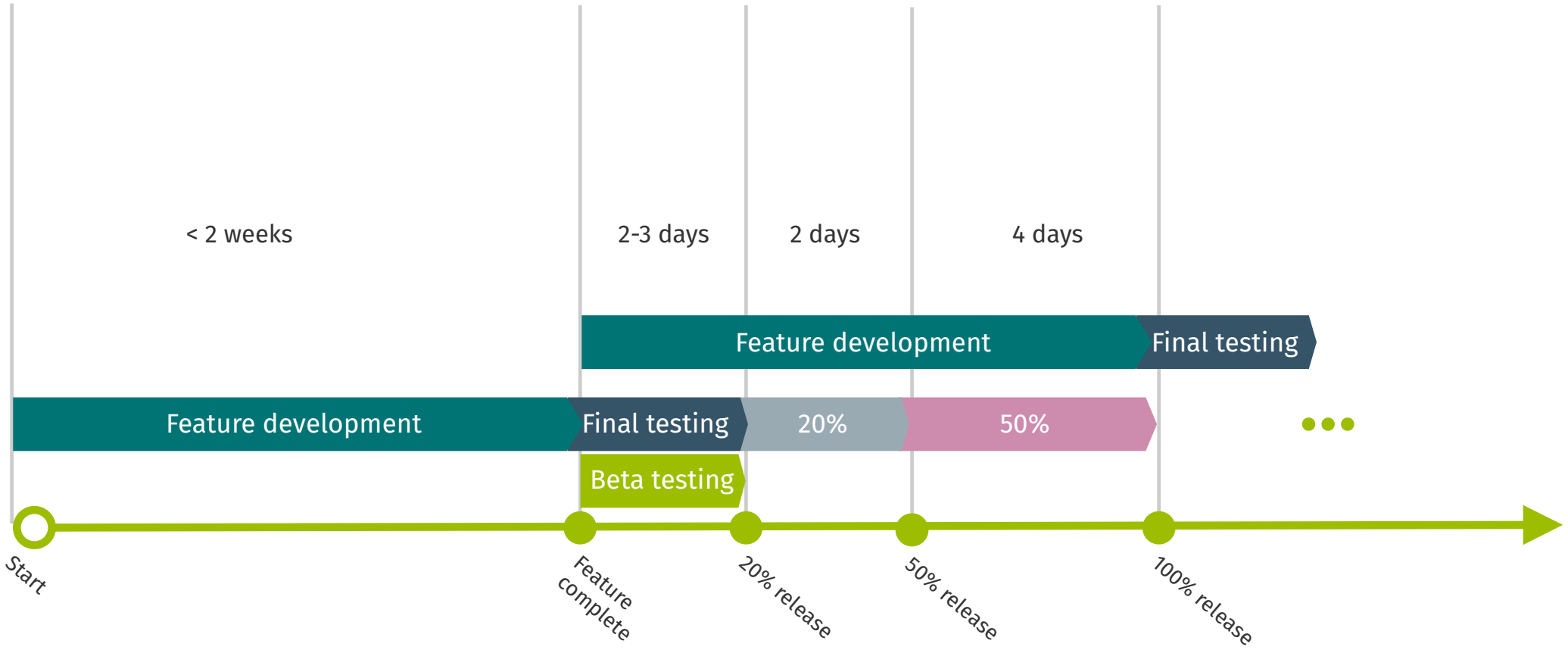


Regular releases trains for Android





Regular releases trains for Android



Facts

Distributed product development
+30 iOS / +20 Android

Centralized unified release

Development start → release
up to 3 weeks

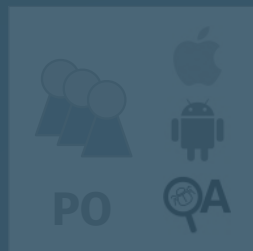
Challenges

Releases Team responsibilities

Automatic enforcement of rules

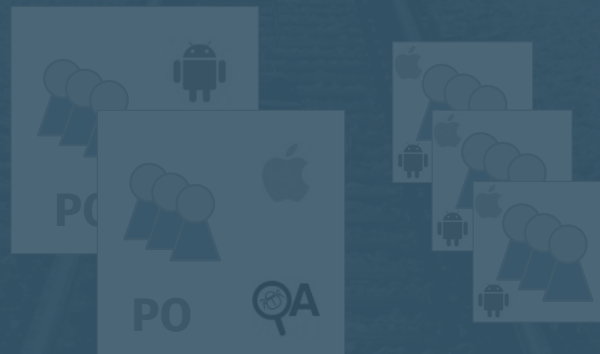
HotFixes too easy?

Single team



- Central development
- Feature driven release
- Few releases per year

Unleashing



- Distributed development
- Regular release trains
- Platforms doing releases
- 4 weeks cycles

Release team



- Distributed development
- Regular release trains
- Central release team
- Unified processes
- 3 weeks cycles

Single team



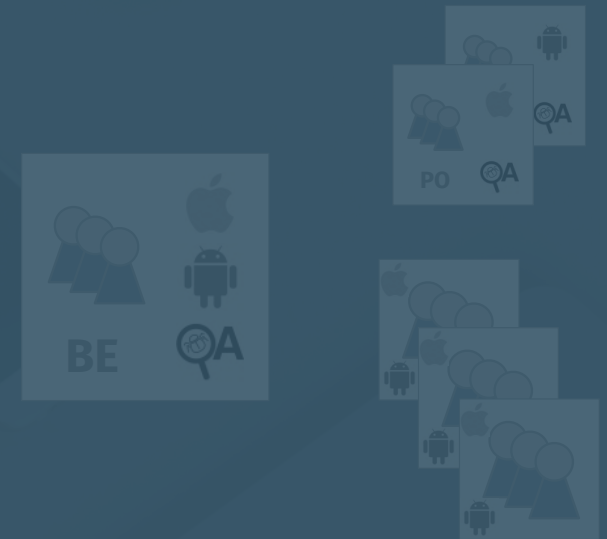
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- Feature driven release
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Release team



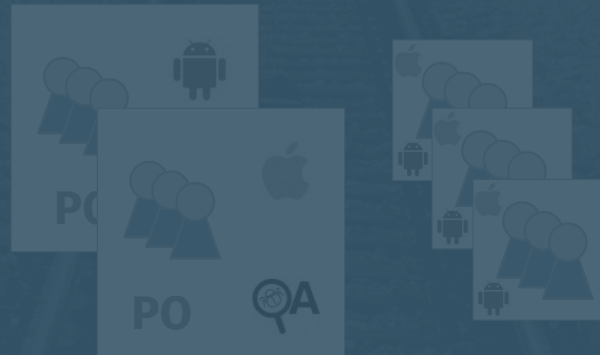
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- Regular release trains
- Central release team
- Unified processes
- 3 weeks cycles

Single team



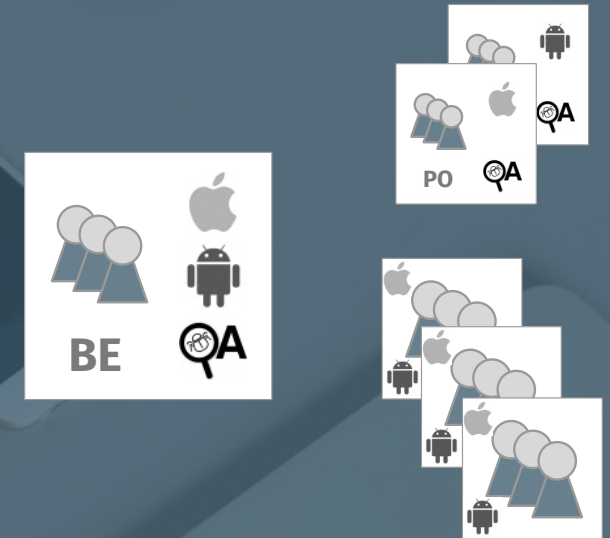
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Unleashing



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- 4 weeks cycles

Release team



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- Regular release trains
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Experiments continue



A lot of new challenges...





Thank you
for your attention



Links and References

<https://apievangelist.com/2013/08/25/api-testing-and-monitoring-finding-a-home-in-your-companies-existing-qa-process/>