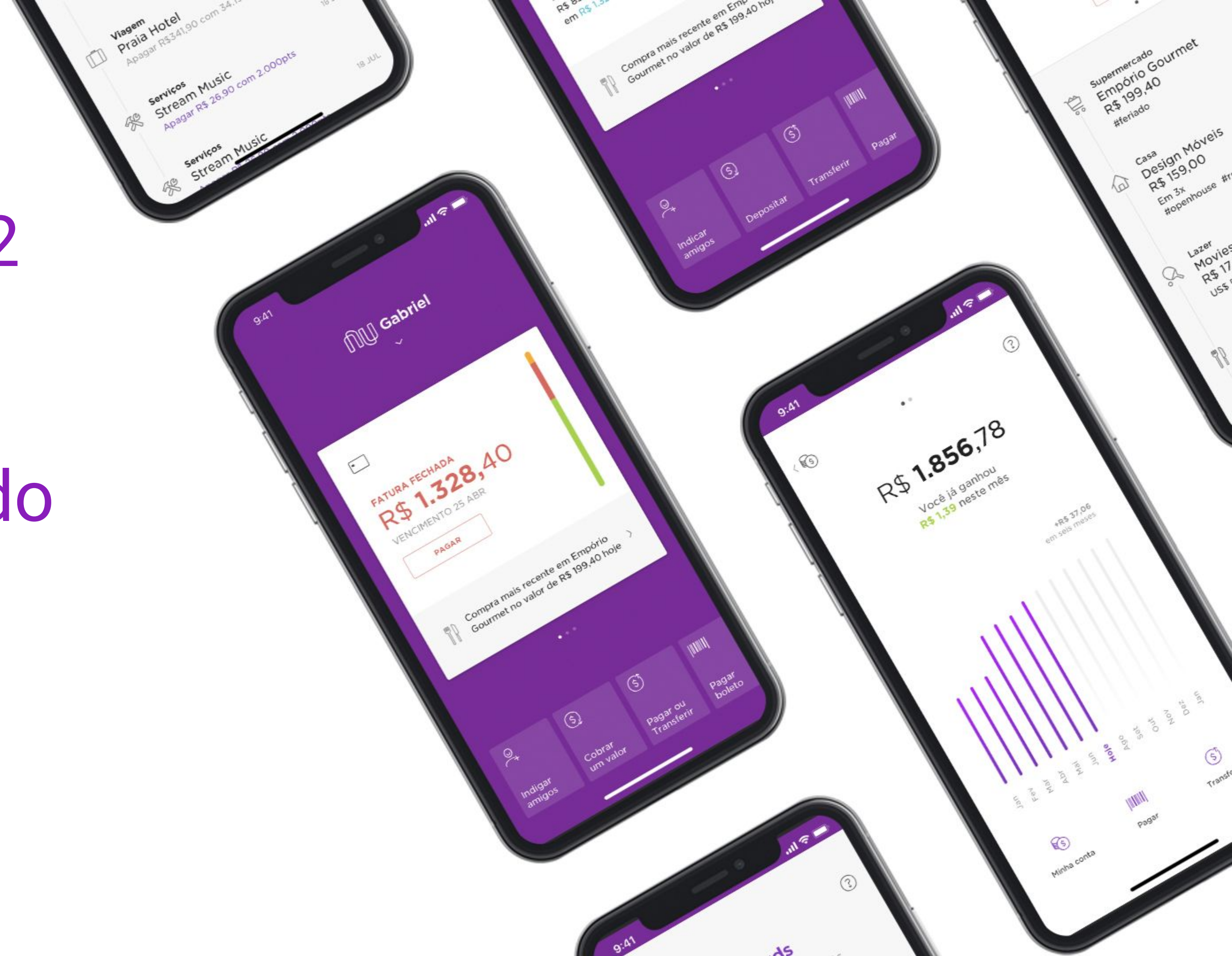


Saindo de 2 para 50 releases semanais do app do Nubank

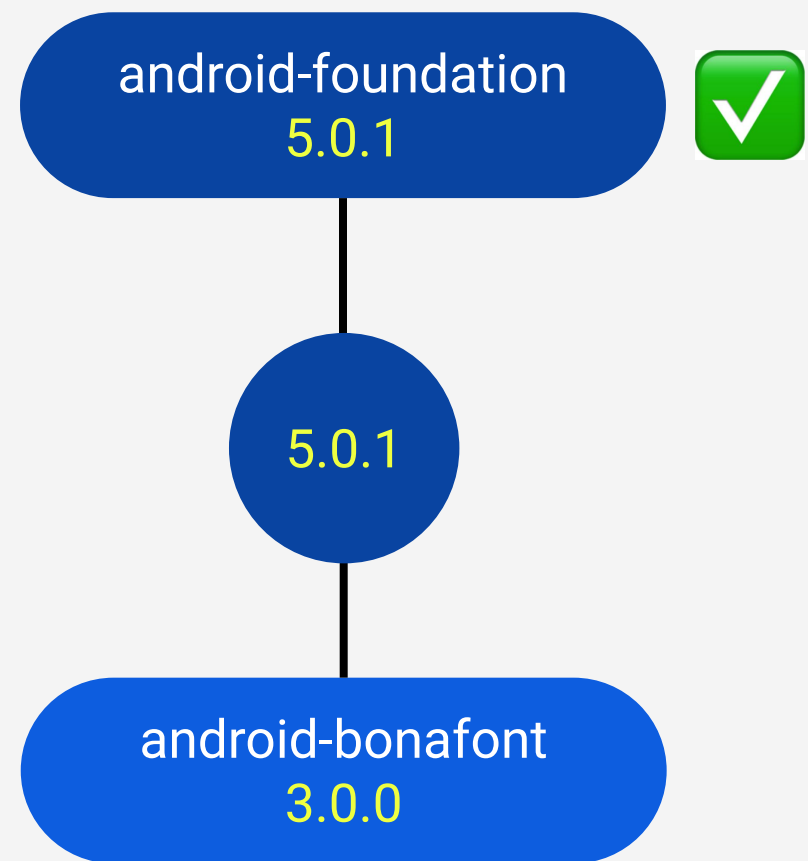
Marcus Fonseca
Miguel Lemos

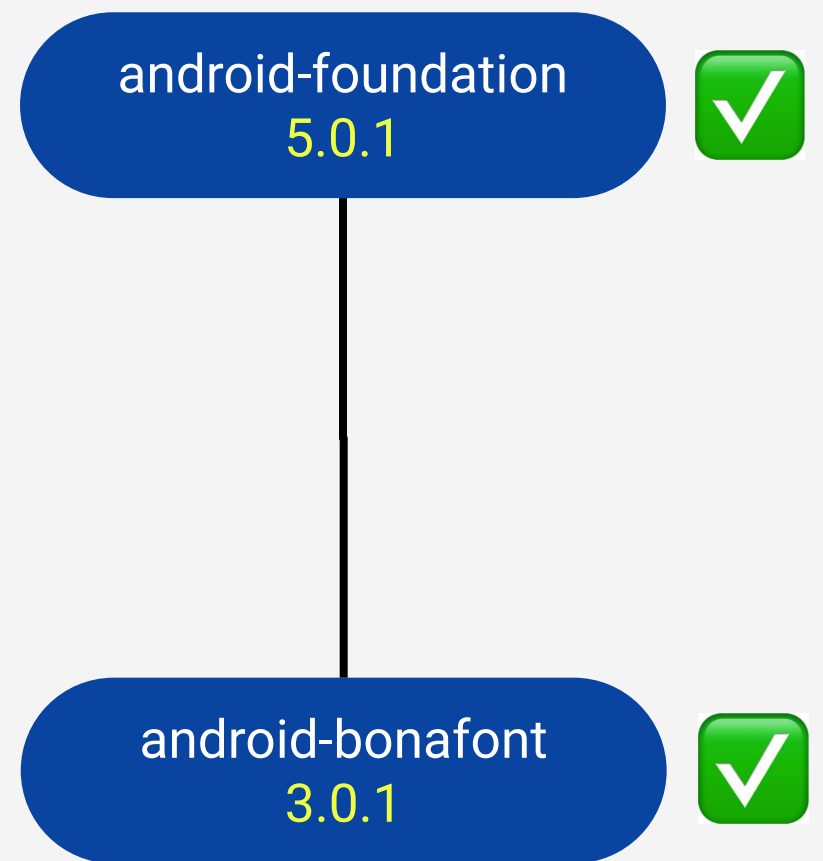


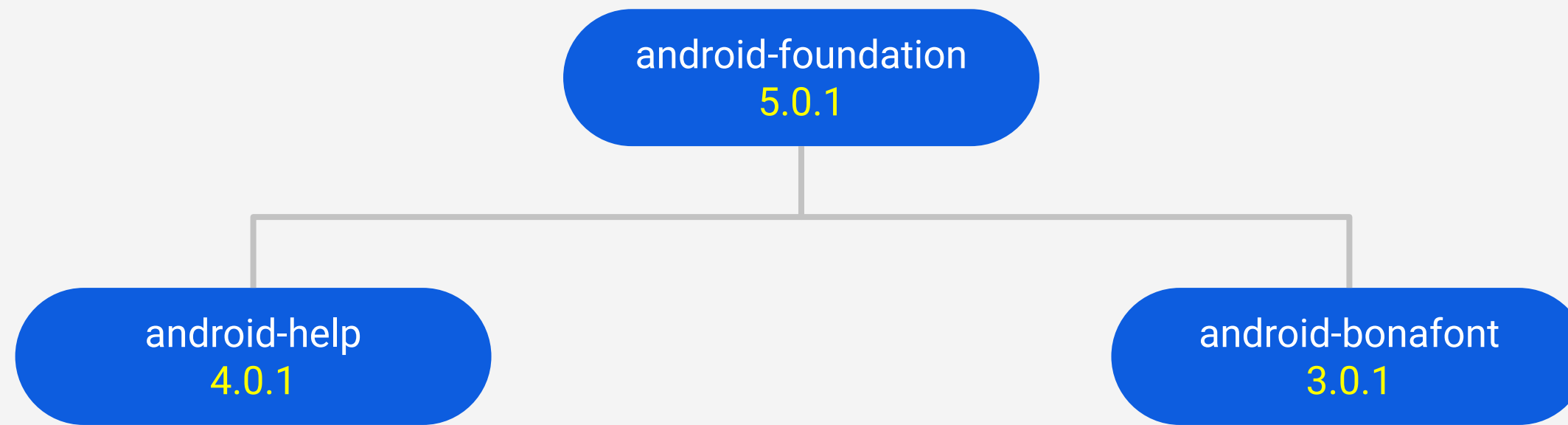
android-foundation
5.0.0

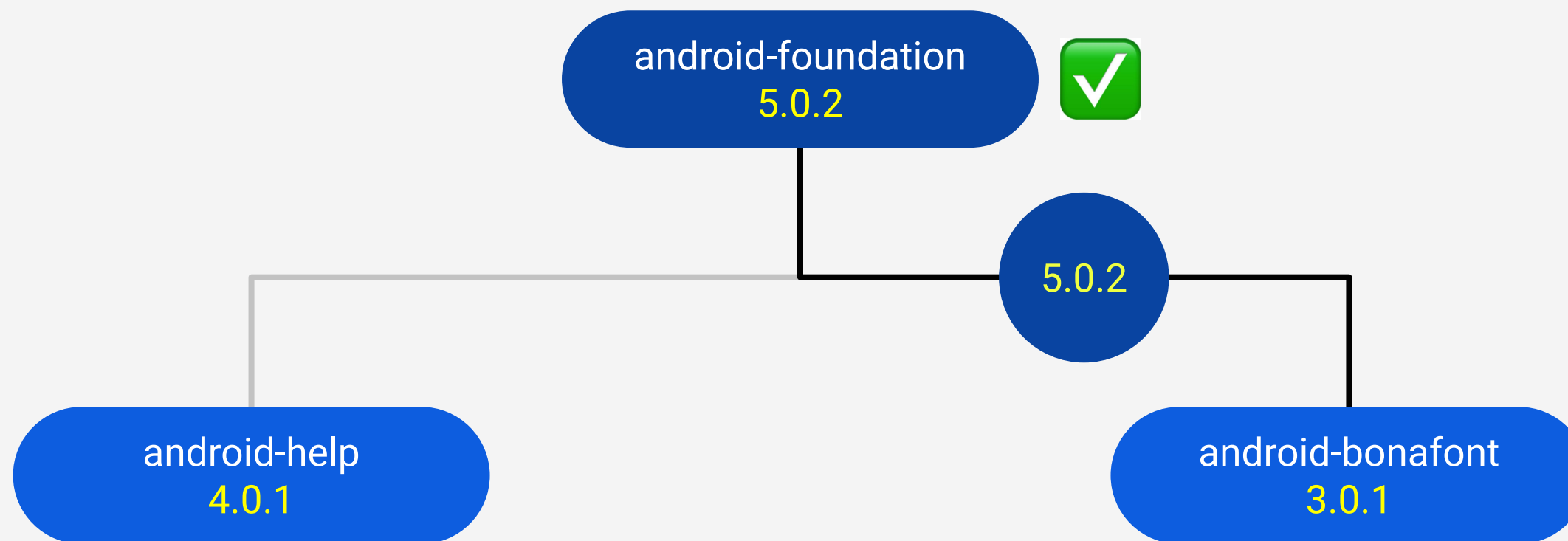
android-bonafont
3.0.0

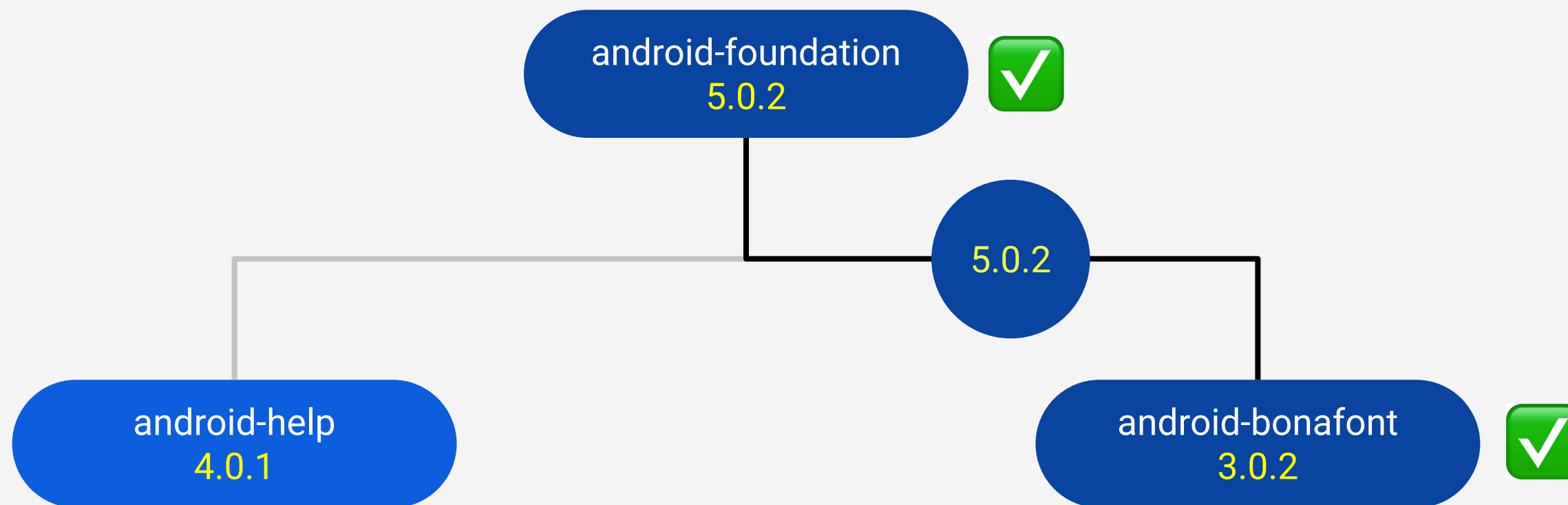


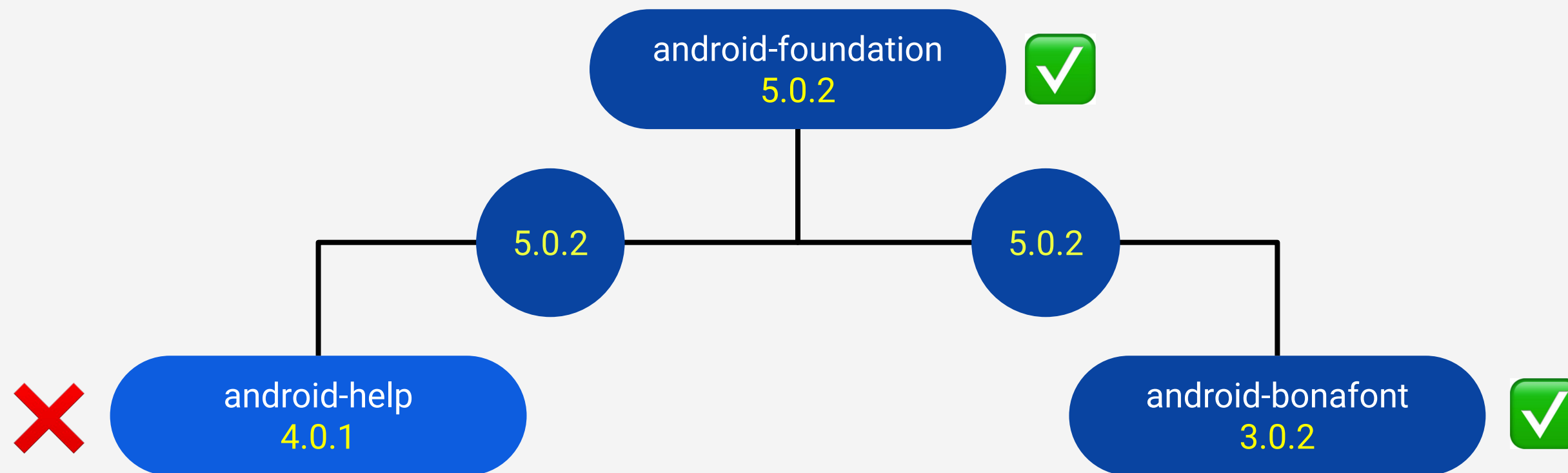


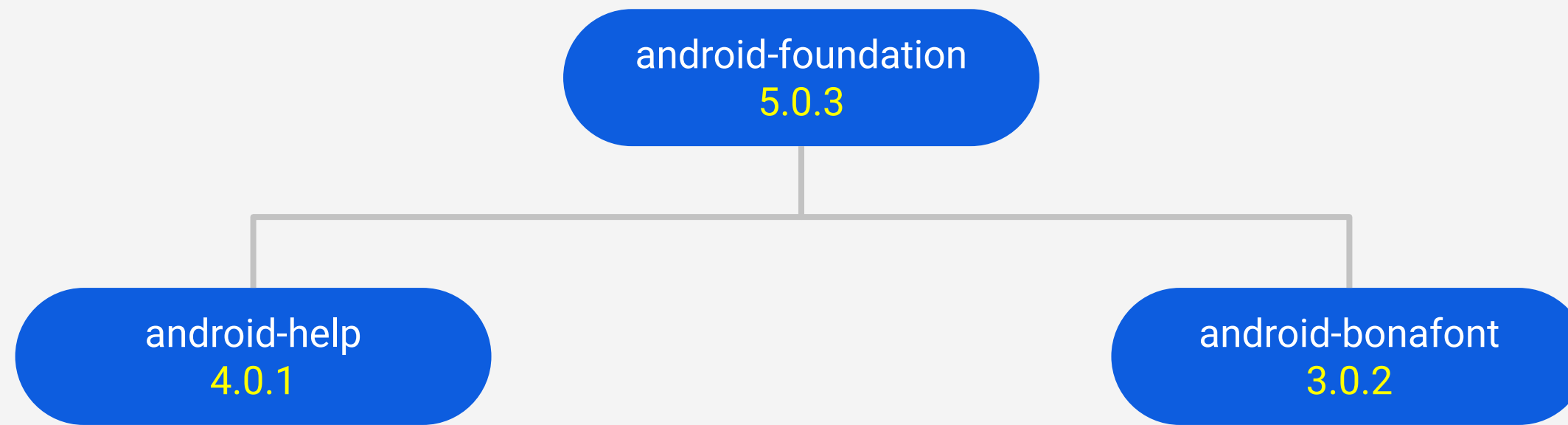


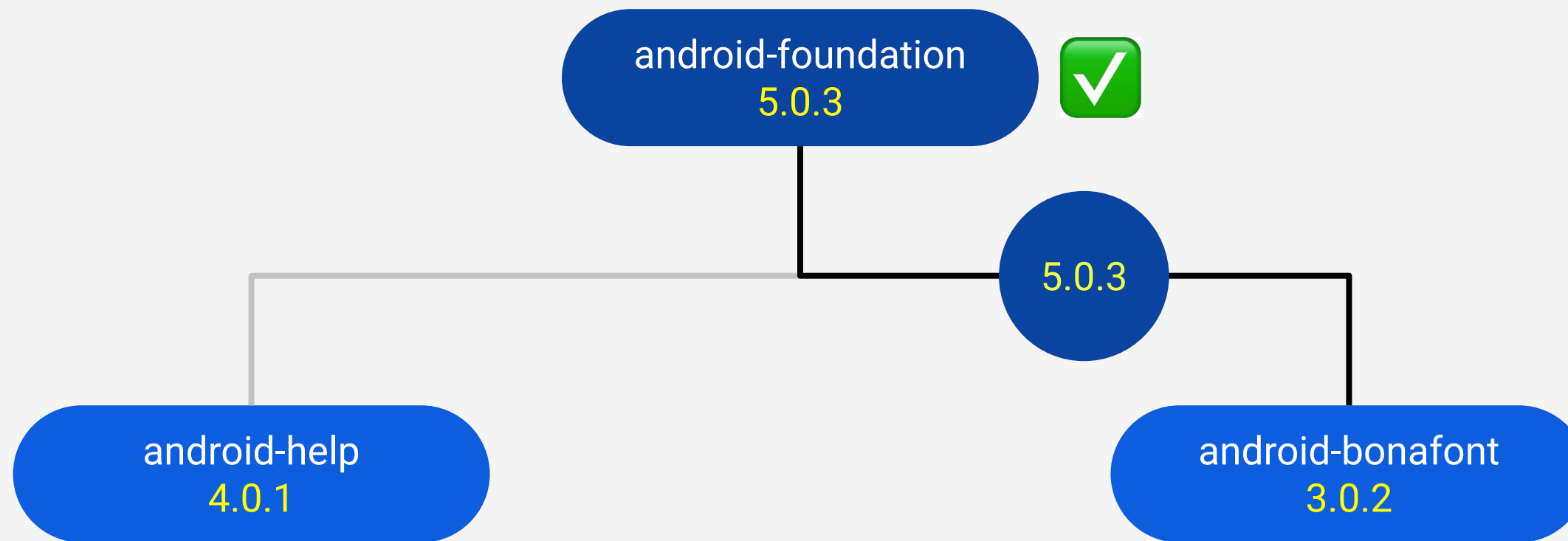


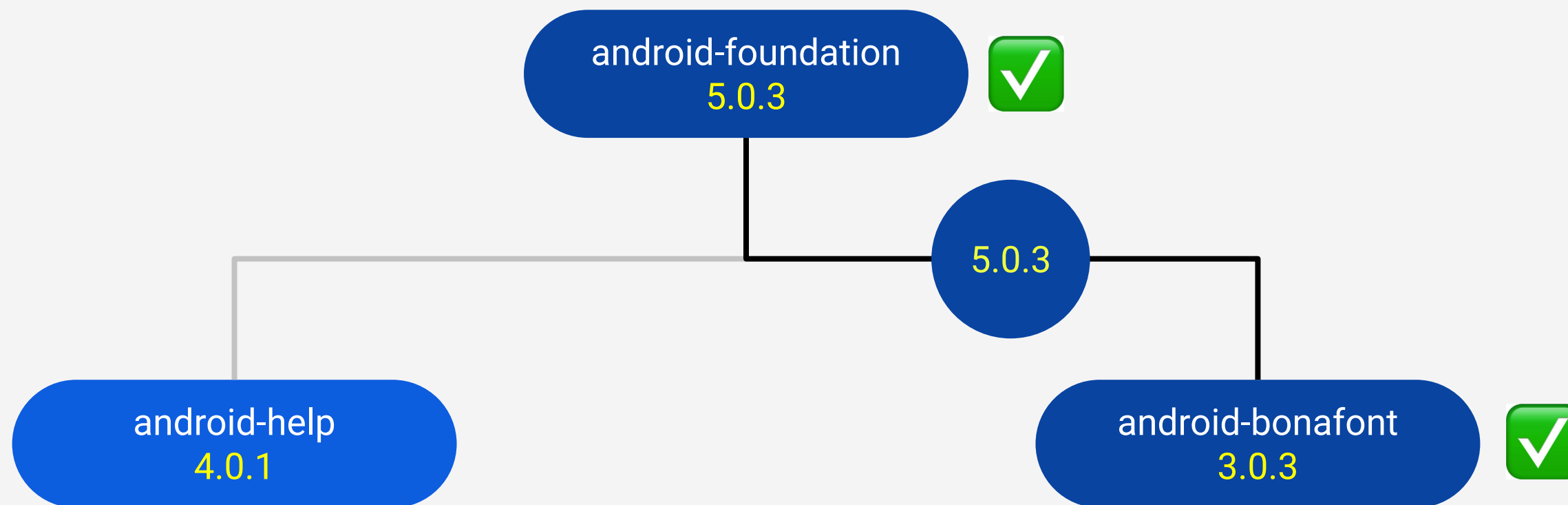


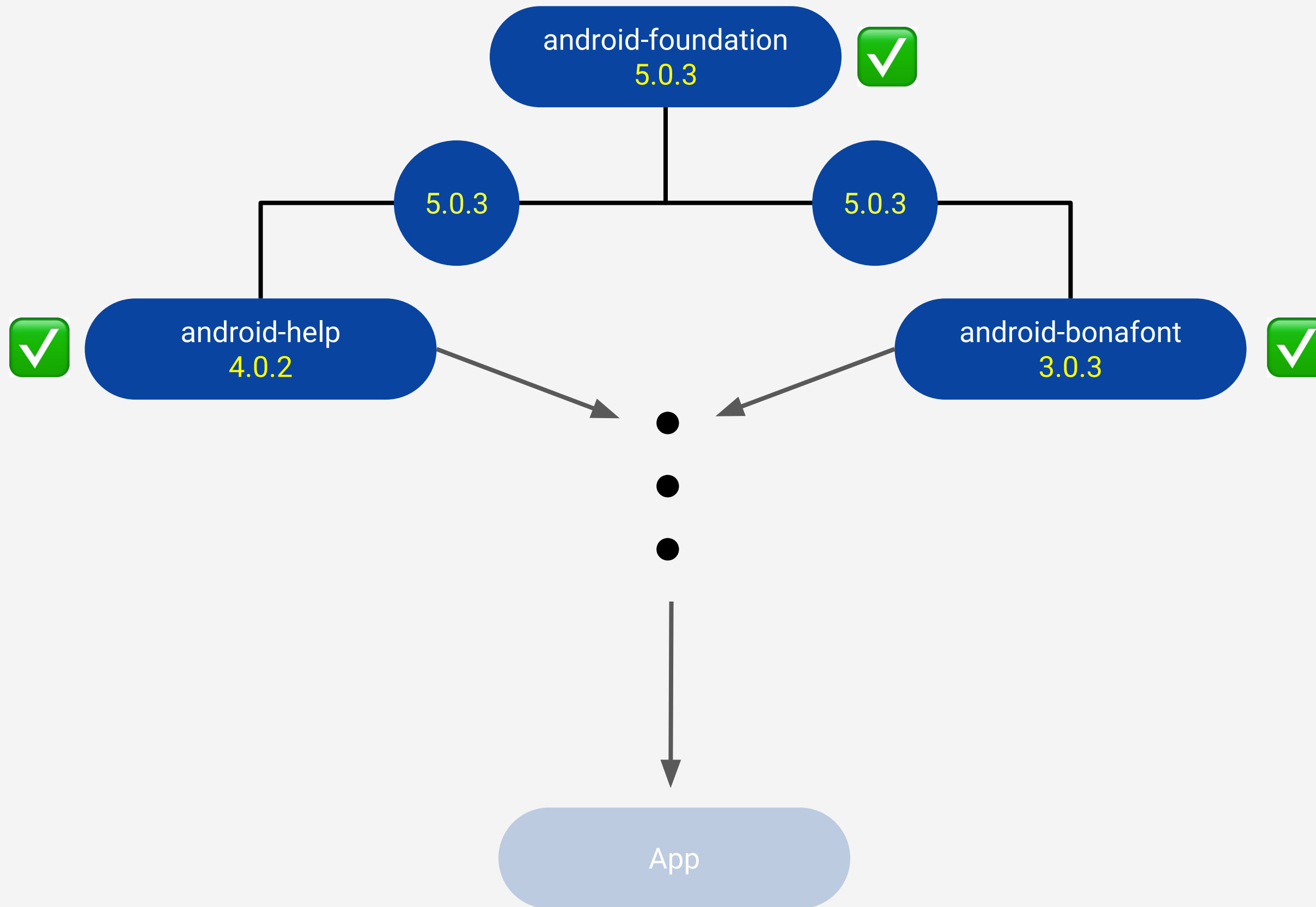


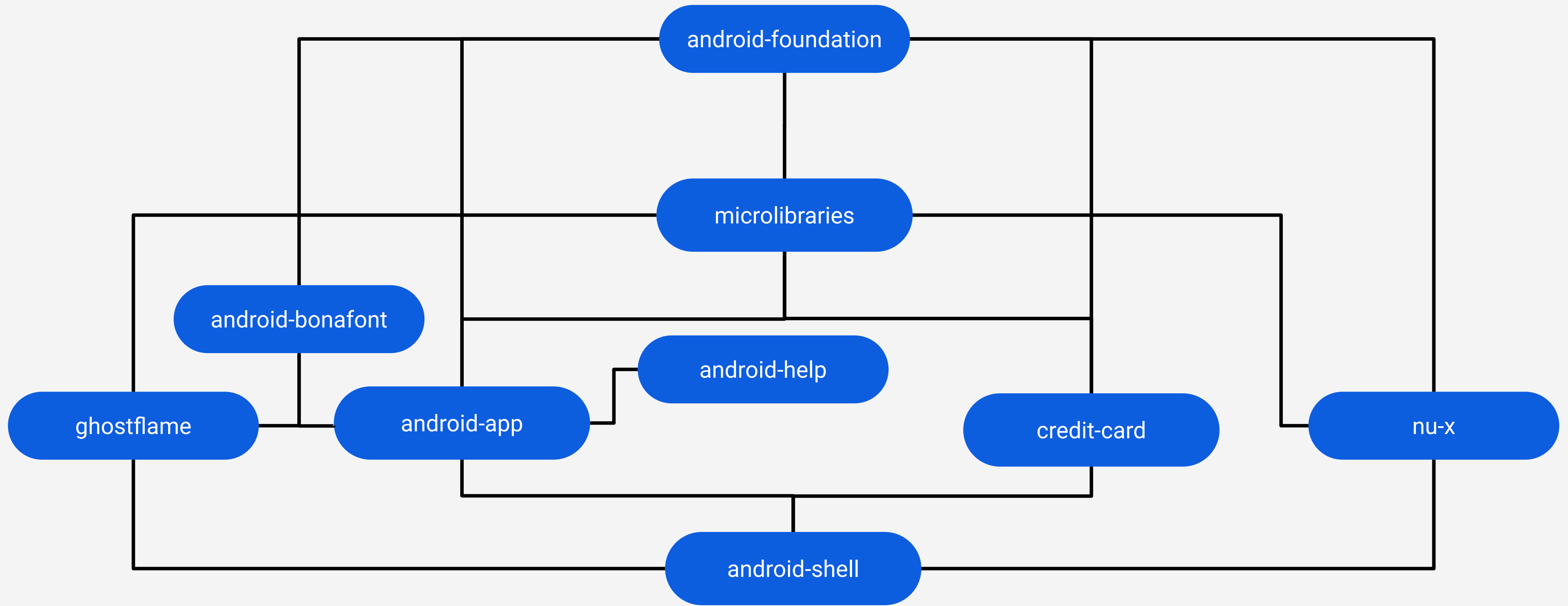












3~4 Days

[AUTO-BUMP] Single bump #2872

 Merged

bors-nubank merged 1 commit into `master` from `android-autobump` on Feb 27

 Conversation 4

 Commits 1

 Checks 2

 Files changed 1



jenkins-tech commented on Feb 27

...

- Bumps miniMetaRepo to 62.2.3



autobumping miniMetaRepo to version 62.2.3

✓ 5d180ef

Problems

1 Distributed source code

2 Harder dependency management

3 Non-atomic changes

MONOREPO



Monorepo

Software development strategy where code for many projects are stored in the same repository.

MONOREPO

- **Single source of truth**

All code in one place, including assets, icon, mock files and etc.

- **Discoverability**

Sharing knowledge passively. Everyone can see what everyone is doing.

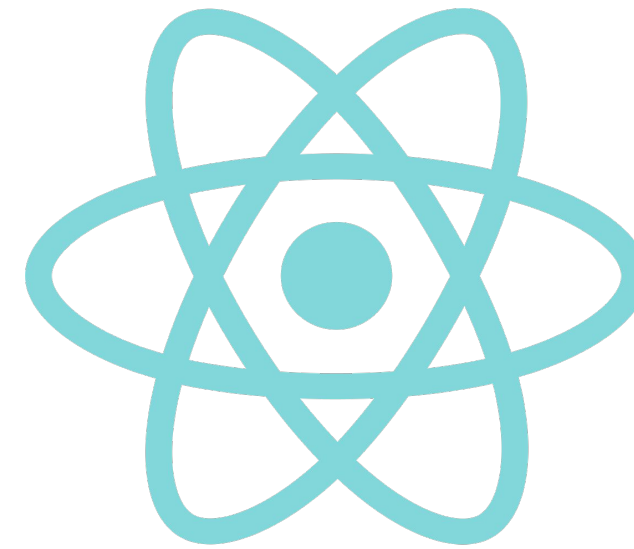
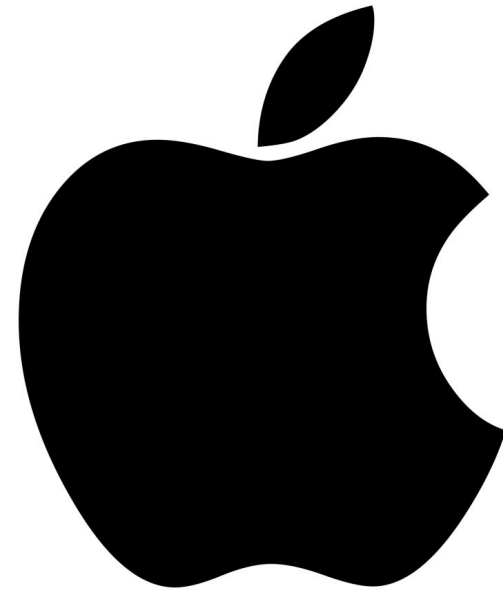
- **Atomic changes**

Backwards incompatible changes are easy to make, Single PR affecting changes in many projects.

- **No versioning**

No need for versions, no semantic versions.

MONOREPO



~68k

Commits

170

Contributors

~50

Weekly releases

~1.5M

Lines of code

Monorepo challenges

The monorepo might be the solution to our problems but it also comes with some other problems

1

CI/CD TOOL CHANGES

2

SMART PIPELINES

3

HIGHER INFLUX OF CONTRIBUTORS

4

MORE ROBUST INFRASTRUCTURE

CI/CD TOOL CHANGES

GoCD didn't fit our needs.

1

PIPELINE VERSIONING

2

PARALLEL RUNS

3

MULTIPLE PIPELINES TO THE SAME REPO

4

EXPLICIT SUPPORT TO PULL REQUESTS

Monorepo challenges

The monorepo might be the solution to our problems but it also comes with some other problems

1

CI/CD TOOL CHANGES

2

SMART PIPELINES

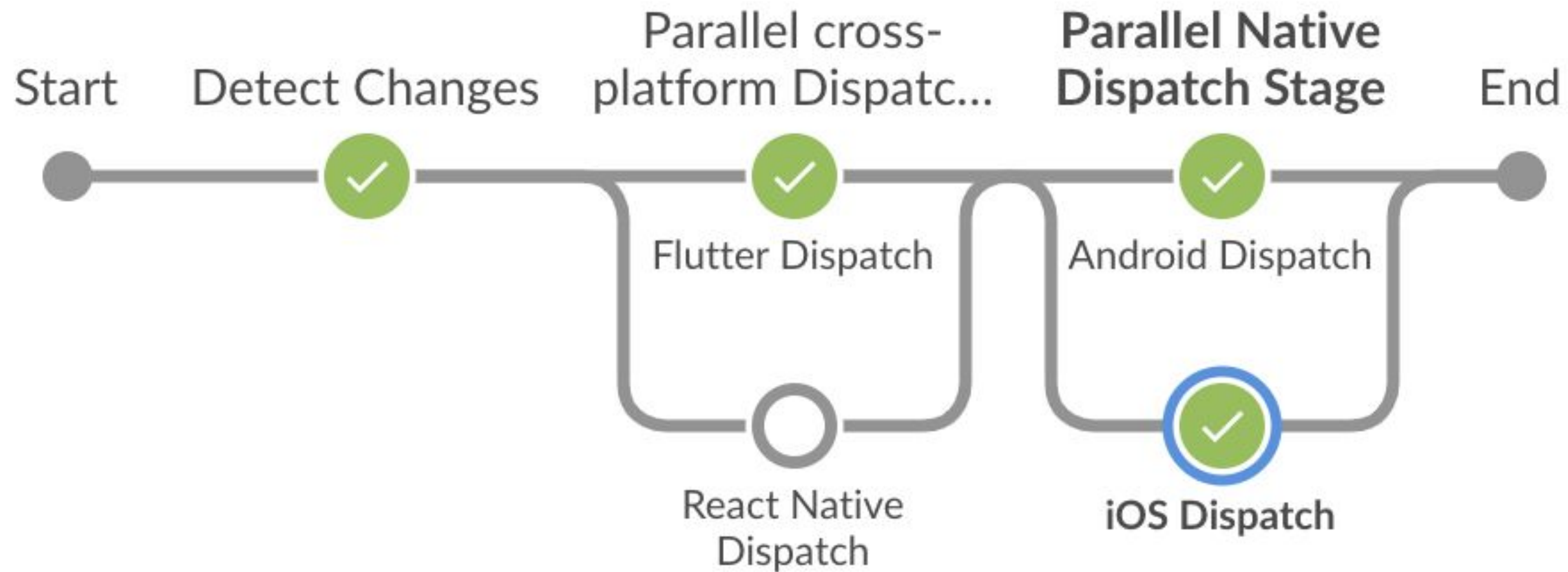
3

HIGHER INFLUX OF CONTRIBUTORS

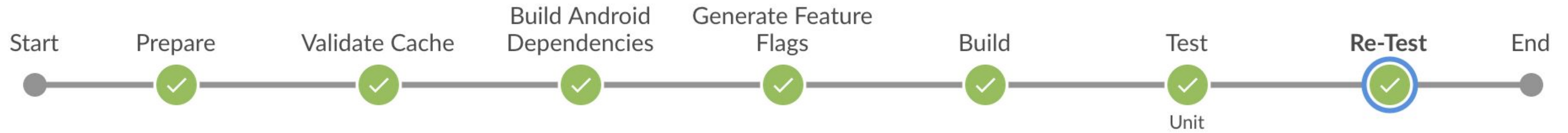
4

MORE ROBUST INFRASTRUCTURE

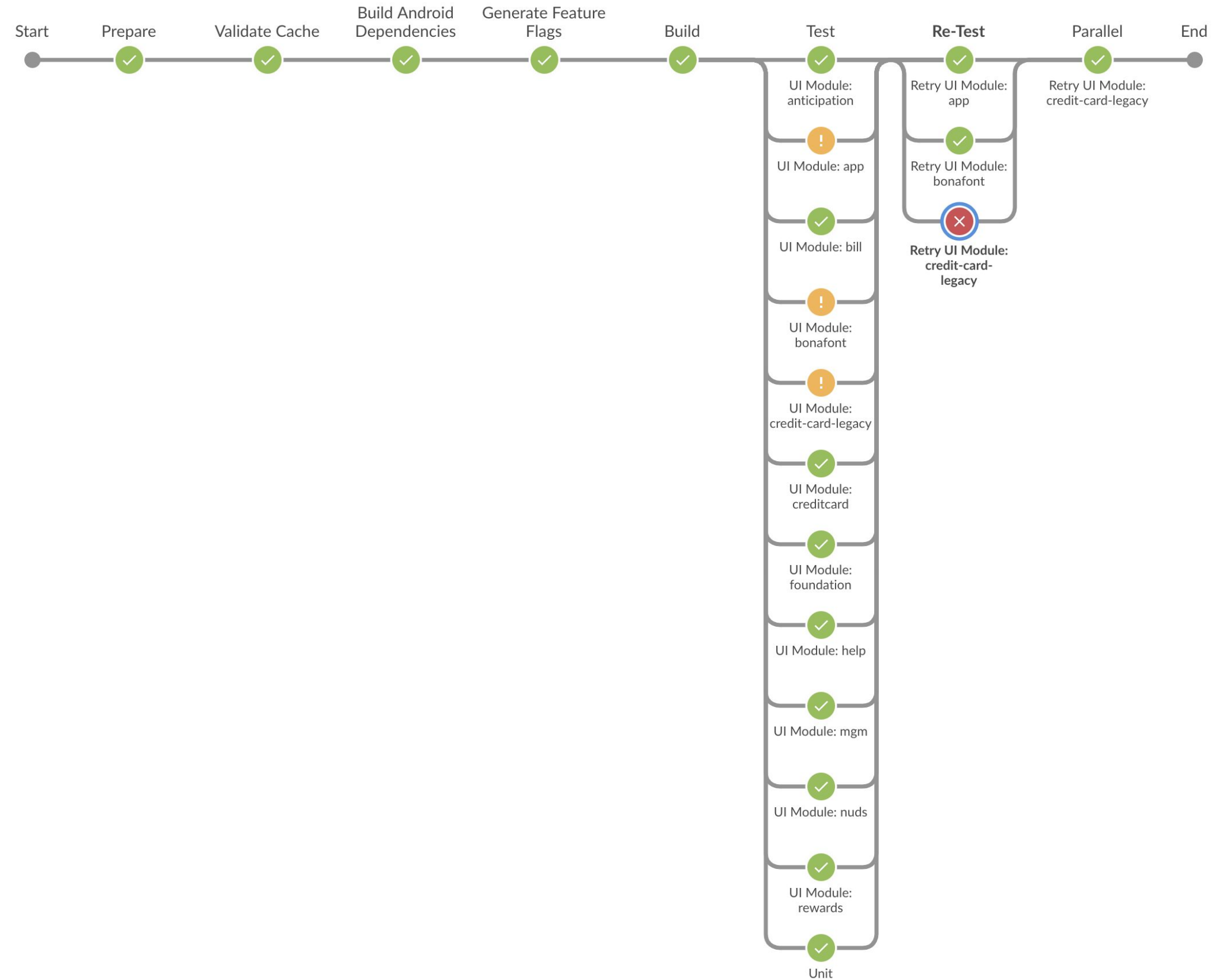
SMART PIPELINES



DYNAMIC PIPELINE



DYNAMIC PIPELINE



Monorepo challenges

The monorepo might be the solution to our problems but it also comes with some other problems

1

CI/CD TOOL CHANGES

2

SMART PIPELINES

3

HIGHER INFLUX OF CONTRIBUTORS

4

MORE ROBUST INFRASTRUCTURE

BORS



skull0801 approved these changes 22 hours ago

[View changes](#)

skull0801 left a comment

Great idea! 🚀



miguellemos commented 6 hours ago

bors r+



bors-nubank bot added a commit that referenced this pull request 6 hours ago

Merge #1522

✓ f96e0eb

BORS

Pull requests

History

Settings

7/19/2019,
14:35:29
PM

Batch

Waiting to
run

#1532

7/19/2019,
14:30:02
PM

Batch

Running

#1522

nubank/monorepo

[Pull requests](#)[History](#)[Settings](#)

7/17/2019,
12:45:05
AM

Batch

Succeeded

[#1716](#) [#1713](#)

7/16/2019,
11:55:38
PM

Batch

Failed

[#1711](#)

7/16/2019,
9:09:44
PM

Batch

Failed

[#1716](#) [#1713](#) [#1711](#)

7/16/2019,
7:09:17
PM

Batch

Succeeded

[#1688](#) [#1698](#) [#1707](#) [#1708](#)

7/16/2019,
5:33:05
PM

Batch

Failed

[#1688](#) [#1698](#) [#1707](#) [#1708](#) [#1716](#) [#1713](#) [#1711](#)

 **bors-nubank** `bot` added a commit that referenced this pull request 17 hours ago

  Merge #1688 #1698 #1707 #1708 #1716 #1713 #1711 ...

 a8978aa



bors-nubank `bot` commented 16 hours ago

+  ...

Build failed (retrying...)

- [Jenkins - Android Test](#)

 **bors-nubank** `bot` added a commit that referenced this pull request 16 hours ago

  Merge #1716 #1713 #1711 ...

 f193689



bors-nubank `bot` commented 15 hours ago

+  ...

Build failed (retrying...)

- [Jenkins - iOS Test](#)

 **bors-nubank** `bot` added a commit that referenced this pull request 11 hours ago

  Merge #1711 ...

 45487f4

7/17/2019,
3:53:47
PM

Batch Succeeded #1720 #1732 #1731 #1721 #1699 #1726 #1710 #1719 #1733 #1728 #1734



Monorepo challenges

The monorepo might be the solution to our problems but it also comes with some other problems

1

CI/CD TOOL CHANGES

2

SMART PIPELINES

3

HIGHER INFLUX OF CONTRIBUTORS

4

MORE ROBUST INFRASTRUCTURE



ANSIBLE



Infrastructure

Jenkins' master and agents are on our k8s cluster using AWS and virtualized on Docker.

We use MacStadium and Ansible for iOS.

Using Prometheus for monitoring and Splunk for logging on Jenkins.

RESULT