

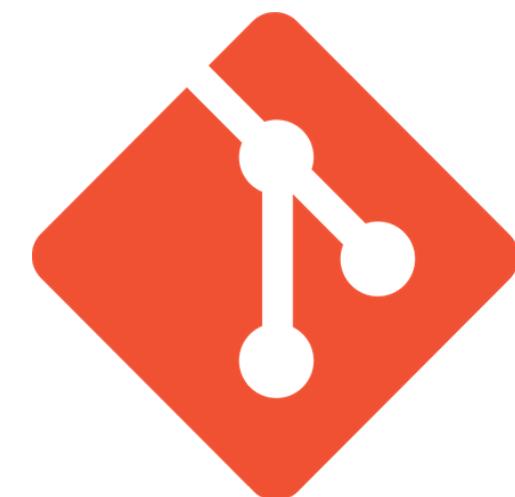
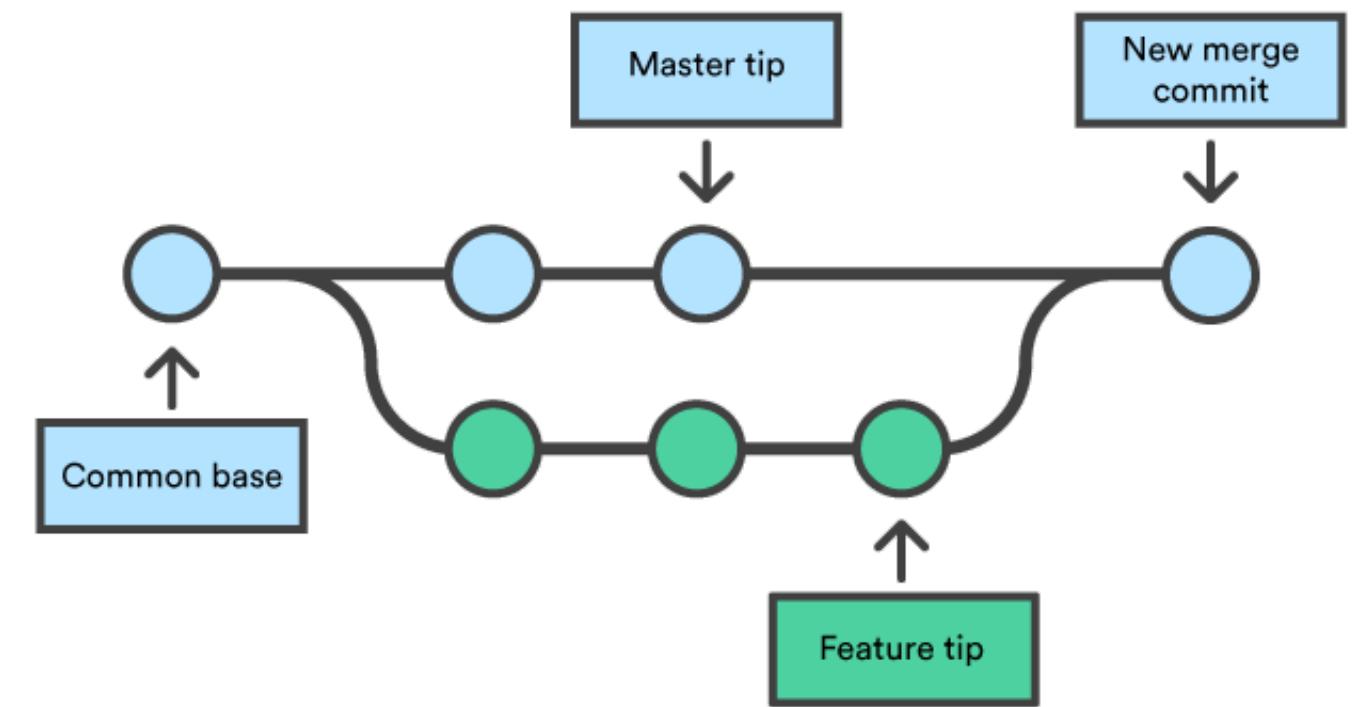


PASURUAN`DEV`

Learn VCS:GIT

How to have a good branch in GIT to develop apps.

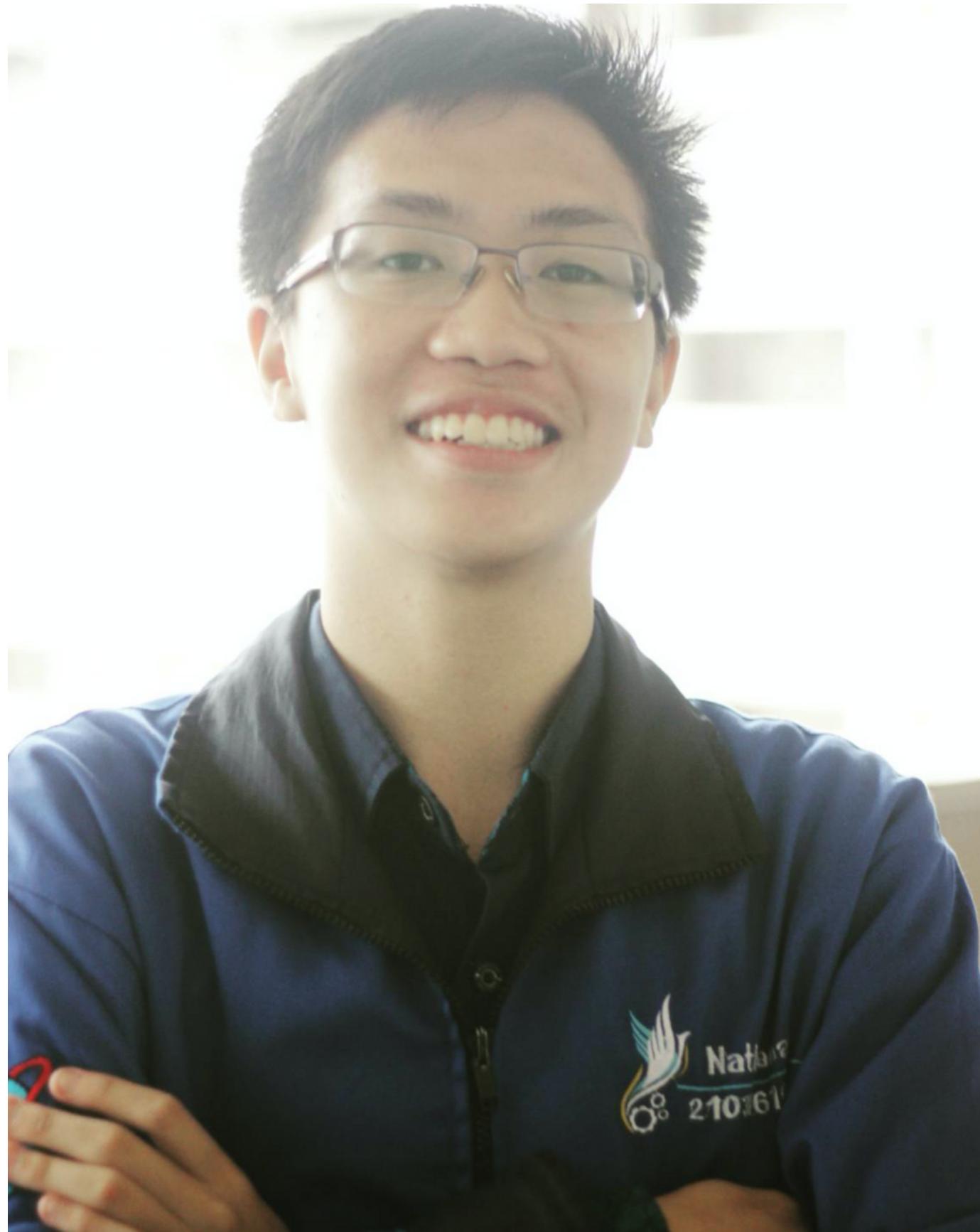
Pasuruan Dev Webinar - 29 Februari 2020



git



The expert in
anything was
once a beginner.
**Practice makes
Perfect**



Hello!

My name is

Immanuel Ronaldo

- I'm graduate from Politeknik Elektronika Negeri Surabaya at 7 September 2019 as **Informatic's Engineering Associate**
- Currently, i work as **Junior Fullstack Developer** at **YCP Solidiance**
- But, i also **active as Head of RnD KLAS** and **help as administrator in PasuruanDev**
- You can reach me at **immanuelronaldo@gmail.com**

Apa yang akan kita pelajari?



01

Pengetahuan Dasar
mengenai GIT dan
sejarahnya

02

Perintah - perintah dasar
yang ada pada GIT

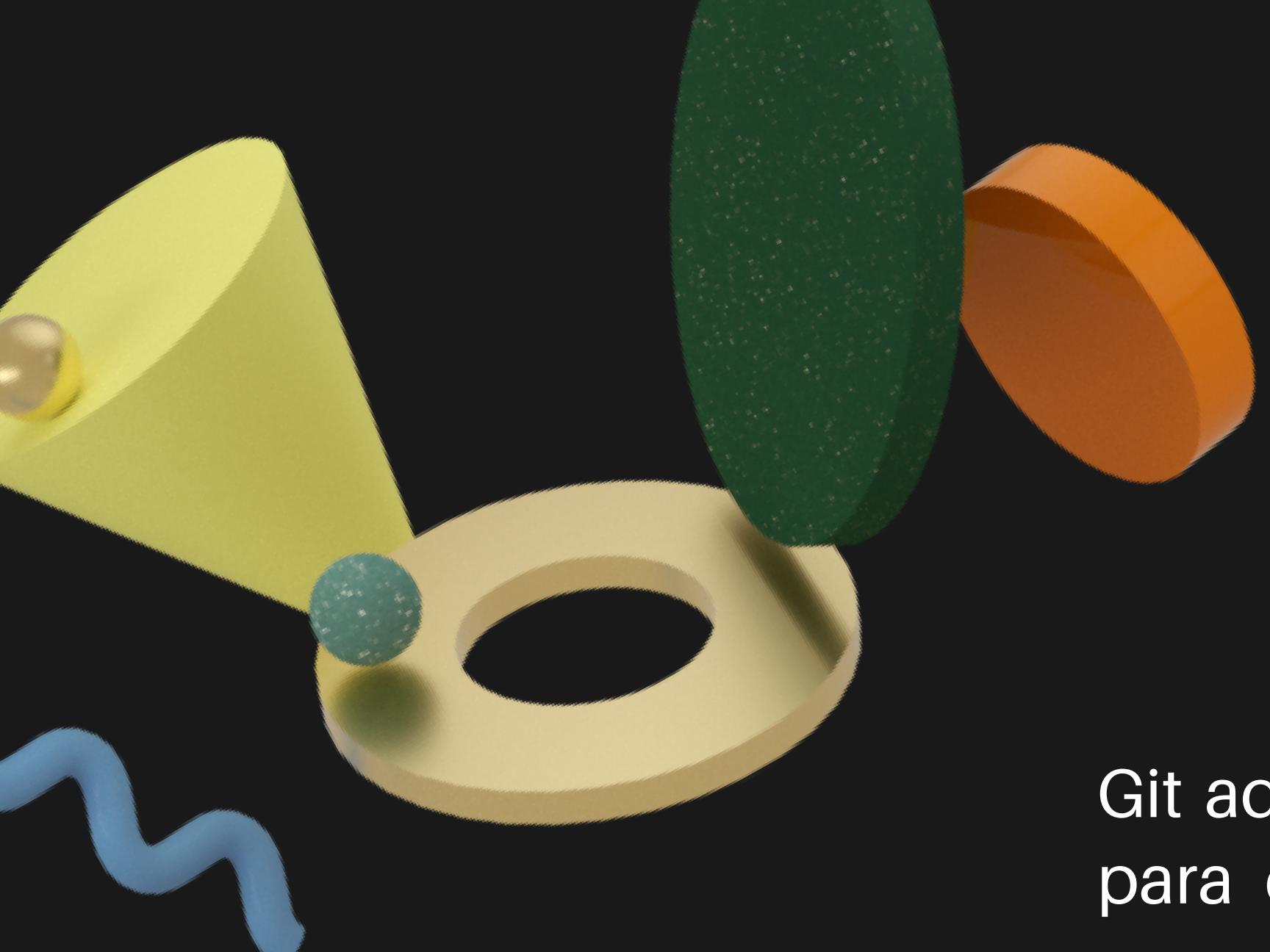
03

Konsep Branching yang
baik pada development
sebuah aplikasi

**Apa itu
vcs:GIT?**



git



Pengertian GIT

Git adalah version control system yang digunakan para developer untuk mengembangkan software secara bersama-bersama.

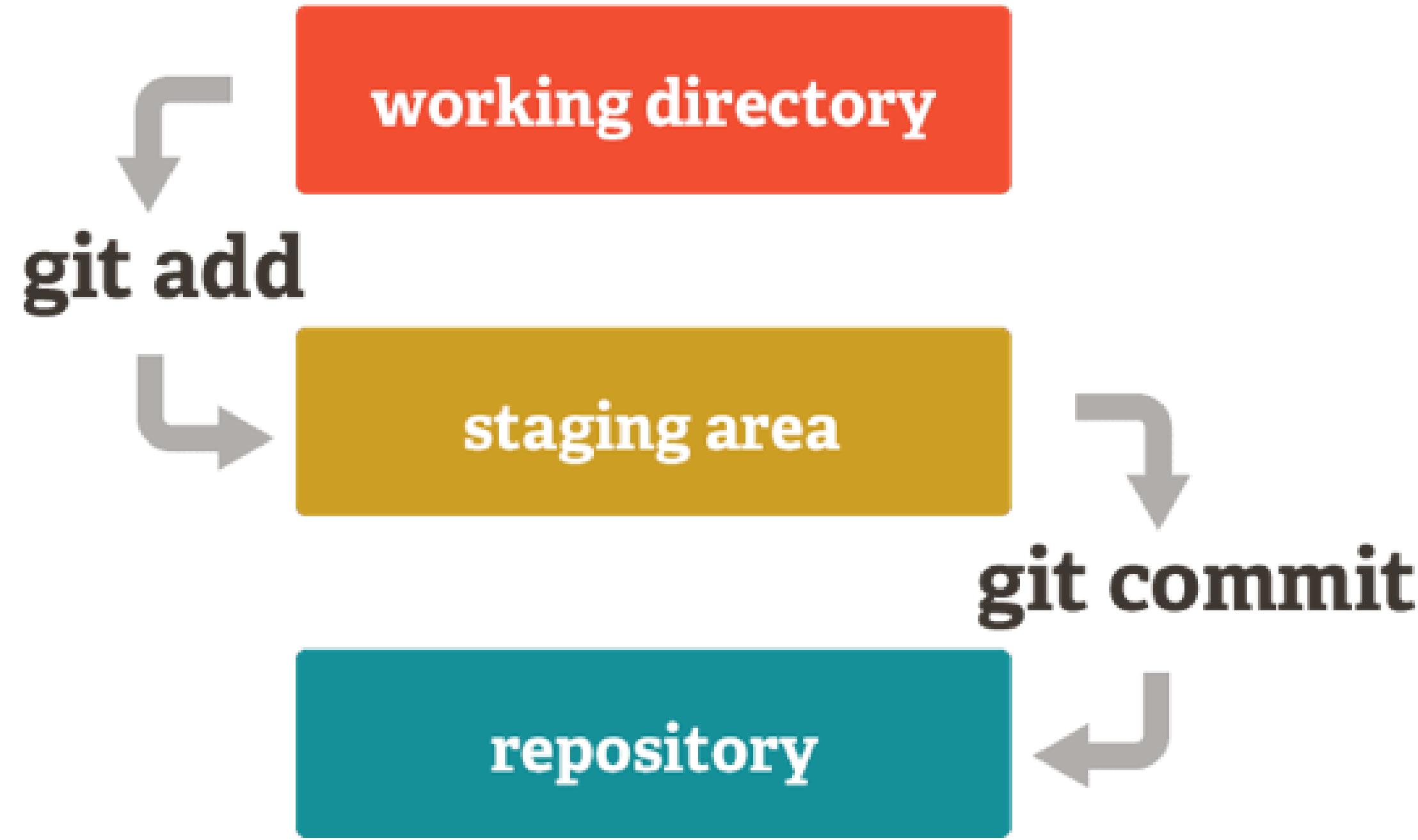
Fungsi utama git yaitu mengatur versi dari source code program anda dengan mengasih tanda baris dan code mana yang ditambah atau diganti.



Sejarah GIT

Git diawali dengan sedikit permasalahan dan kontroversi. Kernel Linux merupakan sebuah proyek perangkat lunak open source skala besar..

GIT Workflow



GIT

Tool's

Perintah Dasar pada **GIT**

In case of fire



1. git commit



2. git push



3. leave building

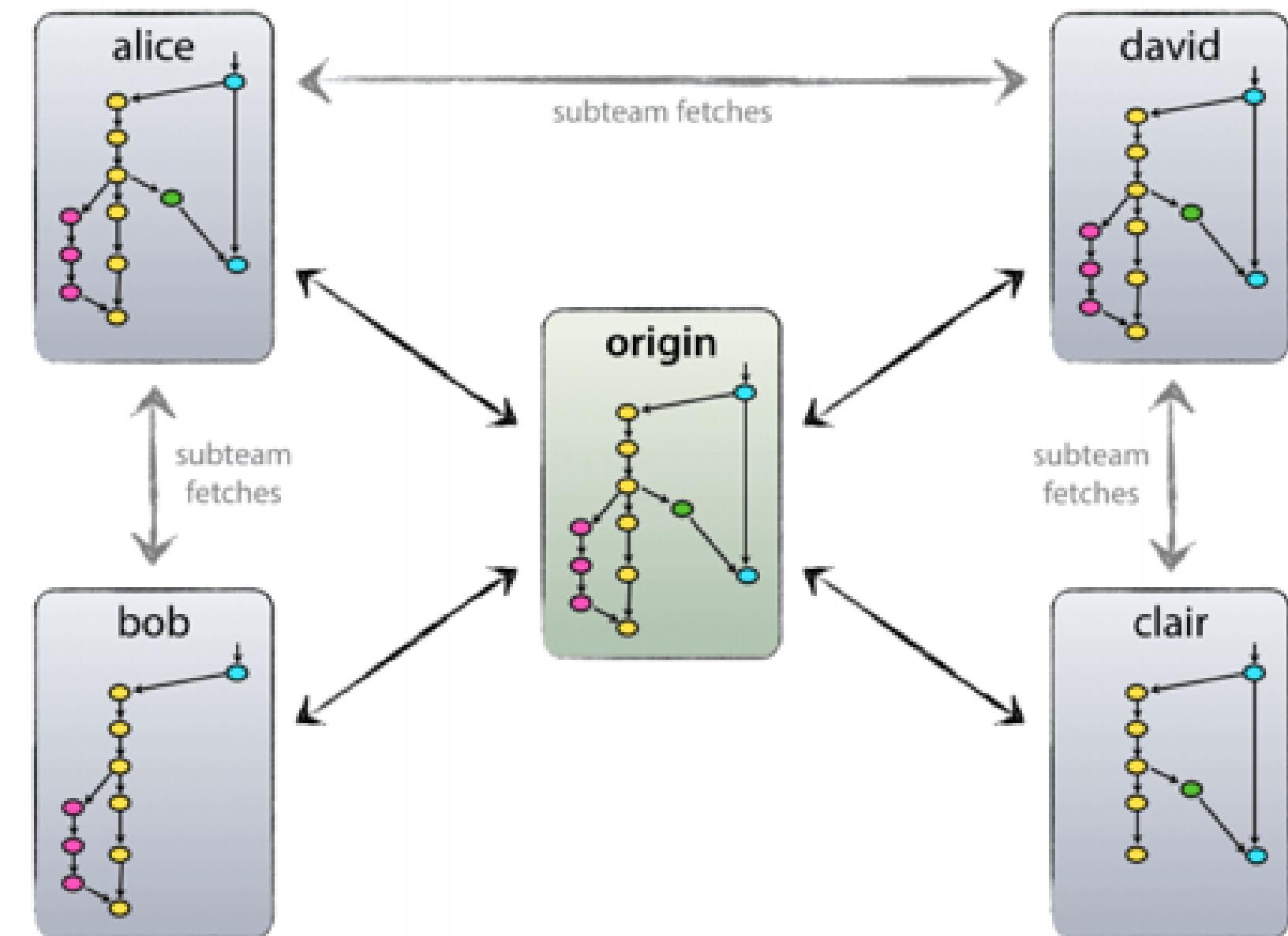
Perintah Dasar

- git config
- git init
- git add
- git clone <url>
- git commit
- git status
- git push
- git checkout <nama_branch>
- git checkout -b
<nama_branch_baru>
<nama_branch_asal>

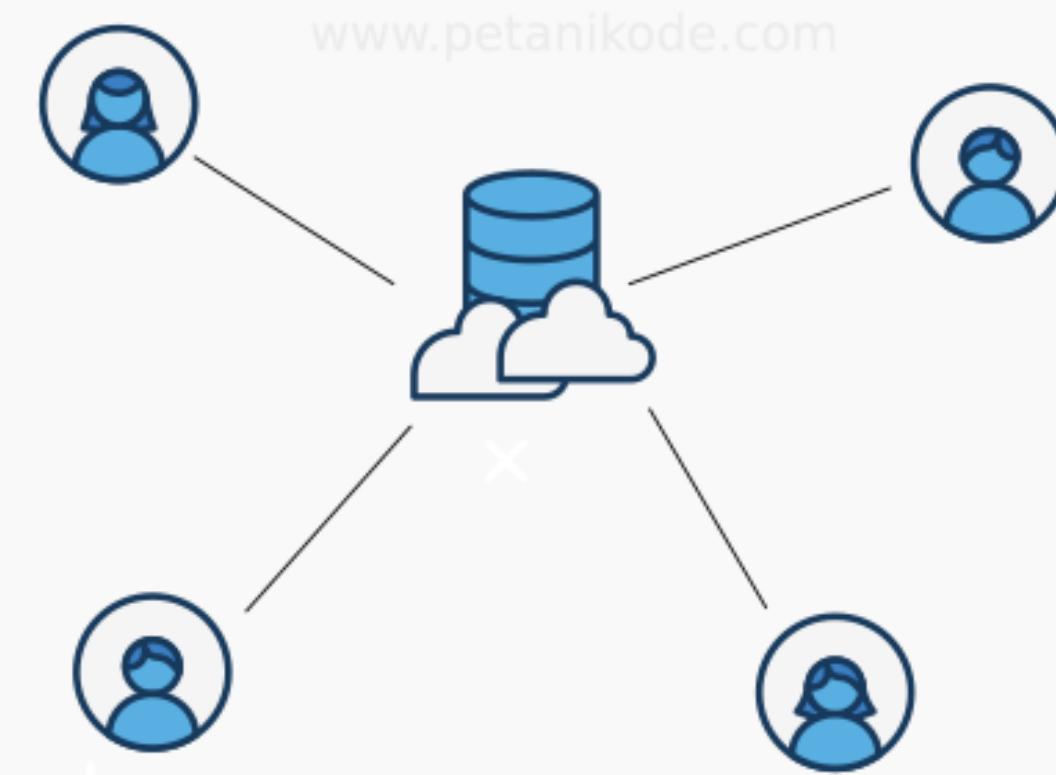
Perintah Dasar

- git remote -v
- git remote add
`<nama_remote> <url>`
- git branch
- git branch -d
`<nama_branch>`
- git pull
- git merge
- git diff
- git log
- git reset
- git stash

GIT Collaboration

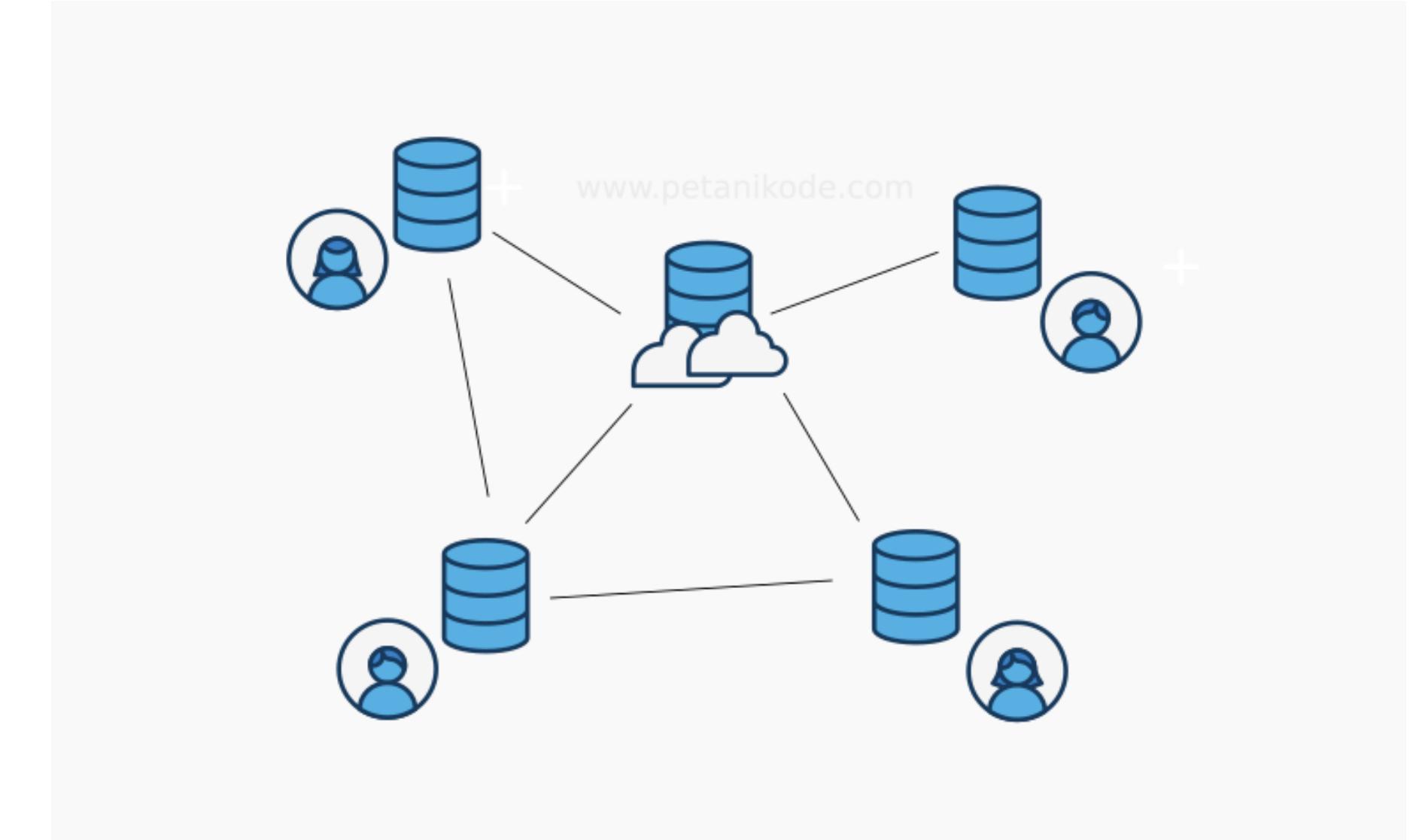


Distributed Collaboration



Sumber: petanikoding

Centered Collaboration

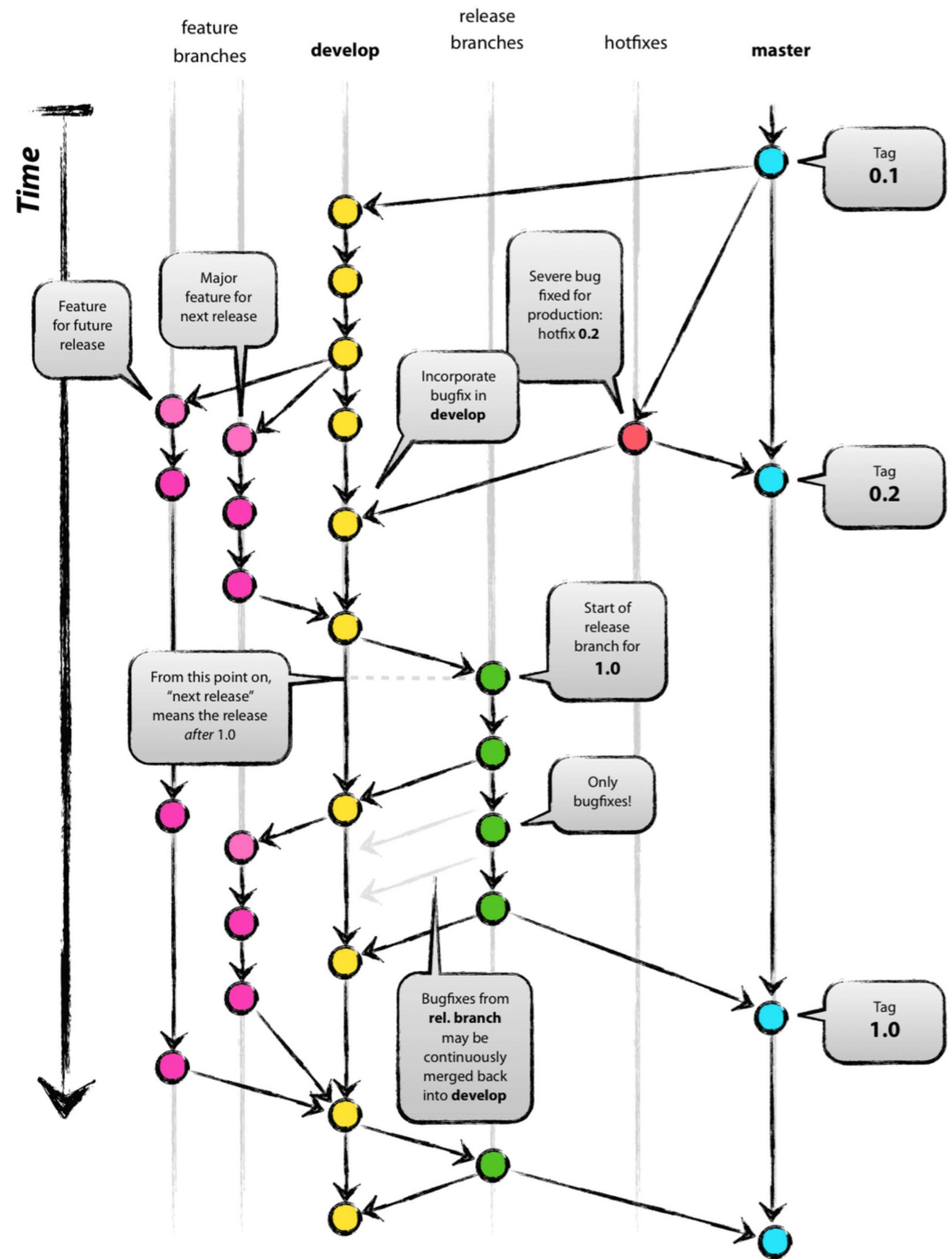


Sumber: petanikoding



Konsep GIT Branch Yang Baik pada Development Aplikasi

Sumber: <https://nvie.com/posts/a-successful-git-branching-model/>



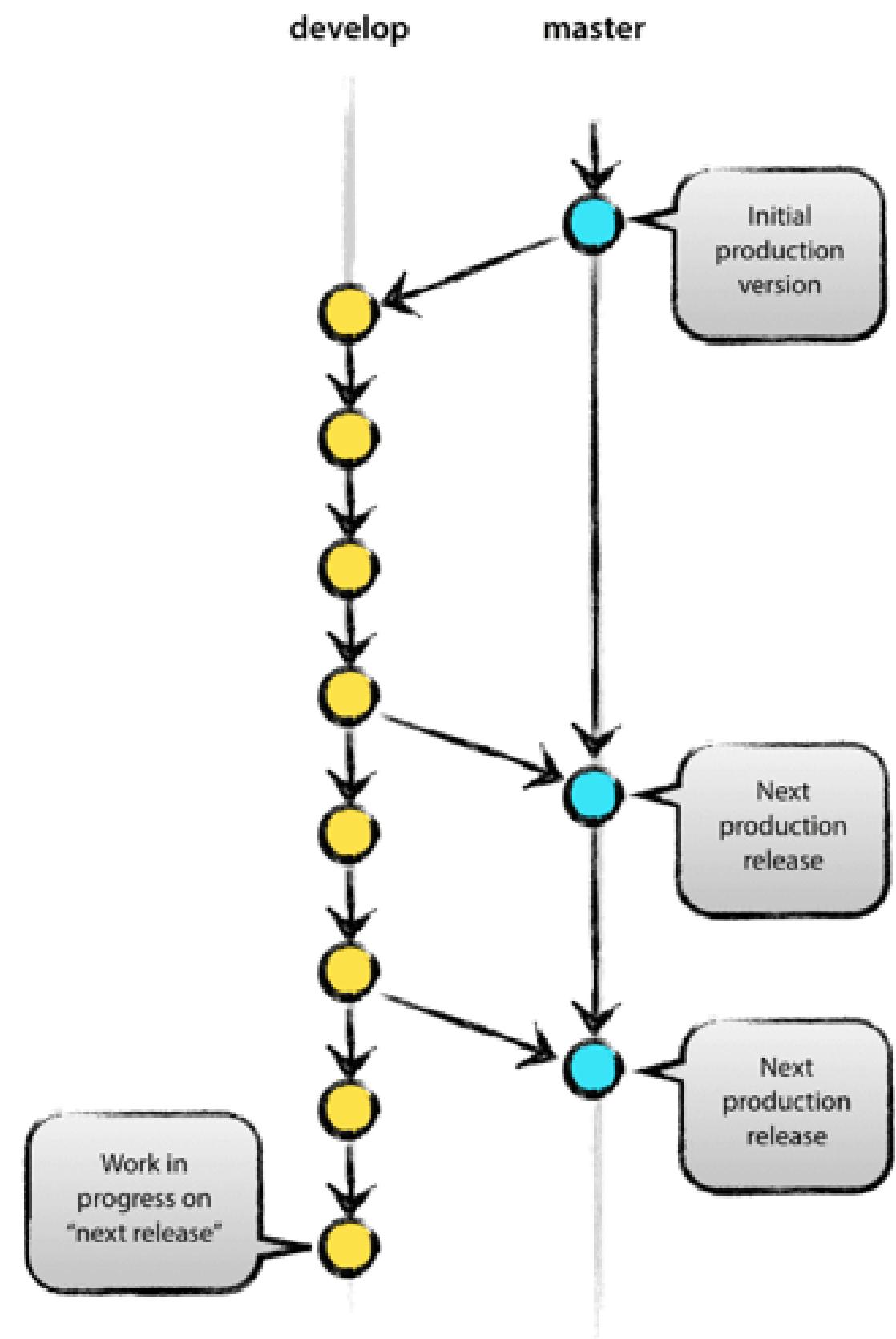
Main Branch

- **Master**

Branch yang berisi aplikasi yang siap di deliver ke production

- **Develop**

Branch yang berisi aplikasi yang dengan perubahan terakhir untuk rilis selanjutnya



Supporting Branch

- ## Feature

Branch yang digunakan untuk mendevelop fitur baru pada aplikasi atau untuk pengembangan rilis selanjutnya.

May branch off from:

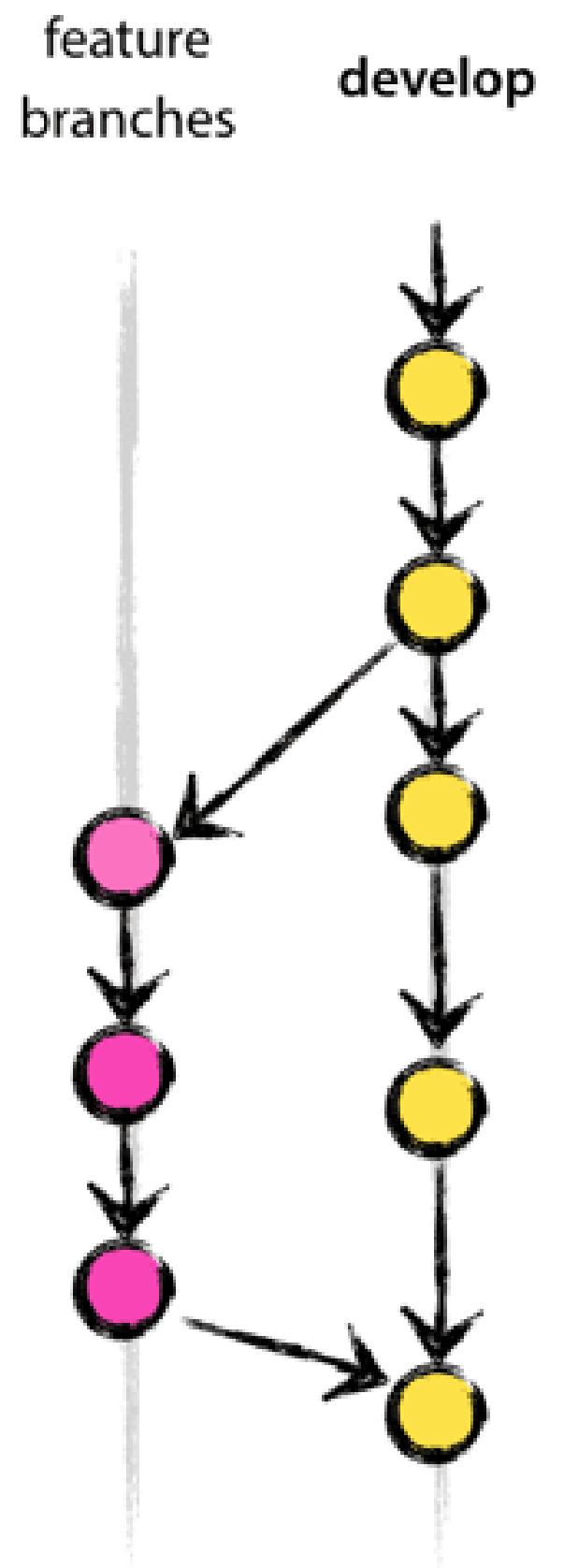
 develop

Must merge back into:

 develop

Branch naming convention:

 anything except master, develop, release-*, or hotfix-*



Supporting Branch

- ## Release

Branch yang digunakan untuk mempersiapkan rilis selanjutnya. Biasanya branch ini mendapatkan nomor versi.

May branch off from:

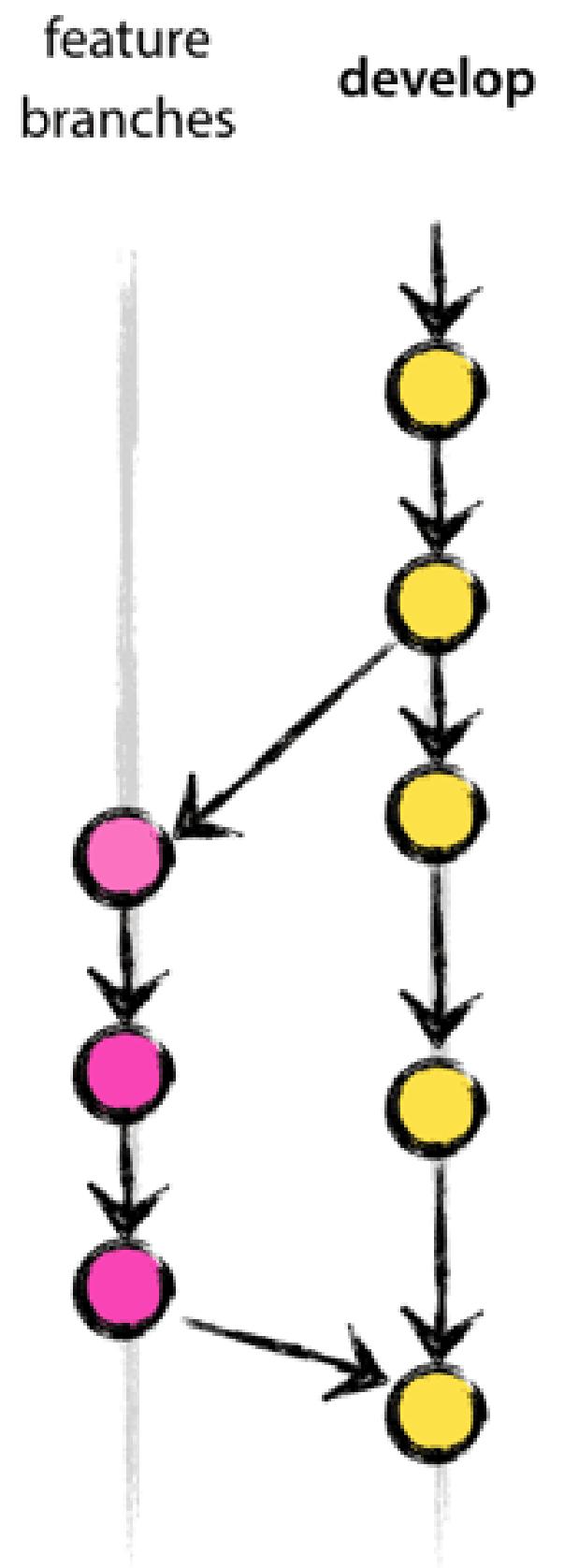
develop

Must merge back into:

develop and master

Branch naming convention:

release-*



Supporting Branch

- ## Hotfixes

Branch yang digunakan untuk memperbaiki bug yang ada pada production. Branch ini digunakan untuk tim dapat memperbaiki bug secara cepat dan tim lainnya dapat melanjutkan rilis selanjutnya.

May branch off from:

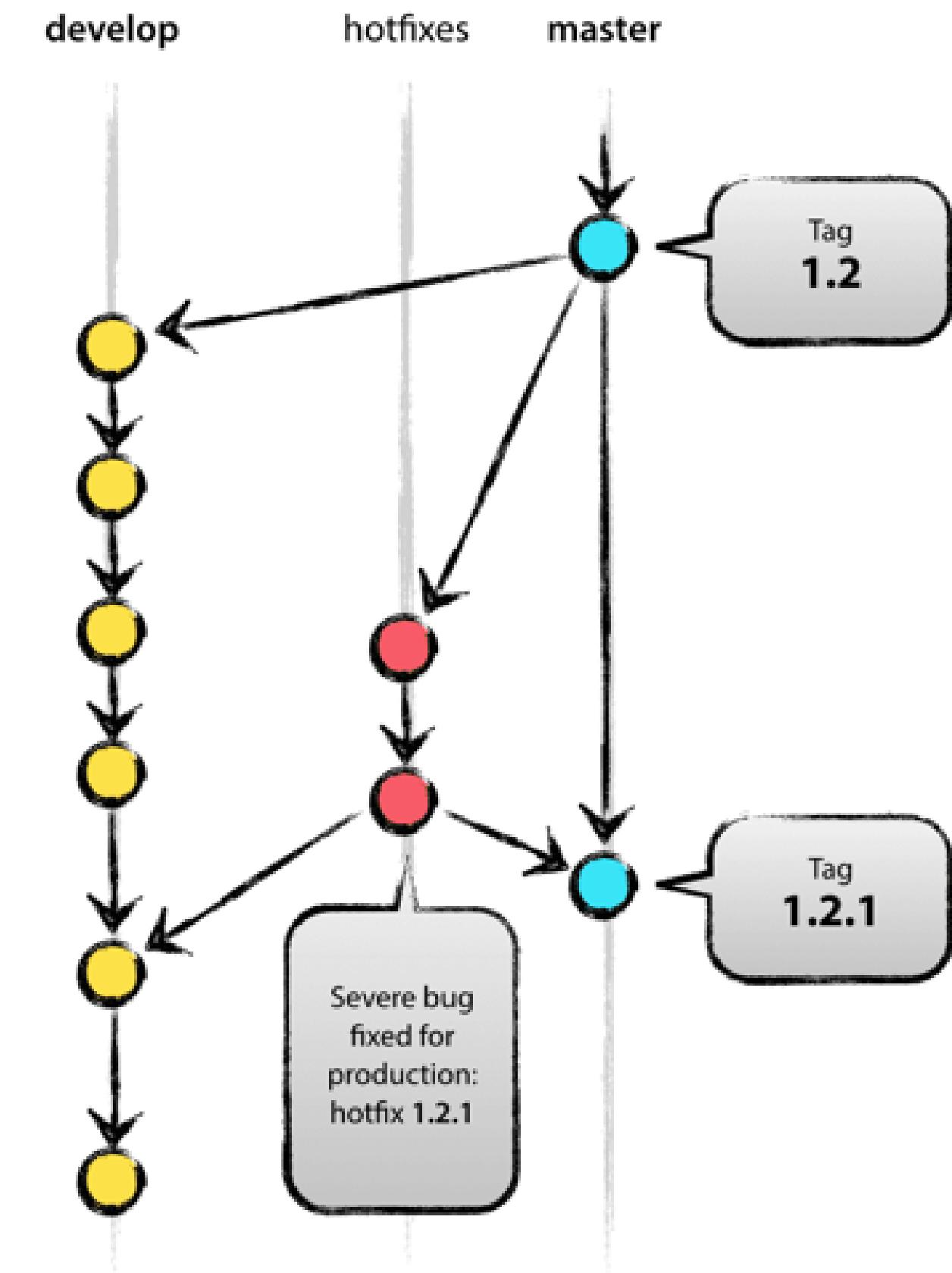
master

Must merge back into:

develop and master

Branch naming convention:

hotfix-*



A scene from Toy Story showing Woody and Buzz Lightyear. Woody is on the left, looking up with a concerned expression. Buzz is on the right, also looking up and pointing his finger upwards. The background shows a room with a window and some furniture.

GIT CONFLICTS

GIT CONFLICTS EVERYWHERE

The screenshot shows a terminal window with the following content:

```
team_contact_info
team_contact_info
14 <tr>
15 <td>Harvey</td>
16 <td>Jennings</td>
17 <td>Leaving Soon</td>
18 <td>hjennings@atlassian.com</td>
19 <td><===== HEAD
20 <td>2</td>
21 <td>B</td>
22 =====
23 <td>2-B</td>
24 </tr>
25 <tr>
26 <td>Ryan</td>
27 <td>Lee</td>
28 <td>New Hire</td>
29 <td>rlee@atlassian.com</td>
30 <td>5-E</td>
31 >>>>> 2a04e55405e527fb7924888b3ee0336a24849cf1
32 </tr>
33 <tr>
34 <td>Alana</td>
35 <td>Grant</td>
36 <td>Current</td>
37 <td>agrant@atlassian.com</td>
```

Annotations:

- A**: Points to the line starting with '<===== HEAD'.
- B**: Points to the horizontal line separating the two sets of changes.
- C**: Points to the line starting with '>>>>>' followed by a commit hash.

Bottom status bar:

- Line 26, Column 18
- Spaces: 2
- Plain Text

<https://confluence.atlassian.com/bitbucket/resolve-merge-conflicts-704414003.html>

Thankyou!



01

Petani Kode

(<https://www.petanikode.com/git-untuk-pemula/>)

02

Vincent Driessen

(<https://nvie.com/posts/a-successful-git-branching-model/>)

03

Pasuruan Dev

(<https://t.me/PasuruanDev>)

04

YCP Solidiance Digital Team

(<https://ycpsolidiance.com>)

05

Fahim Nur Cahya Bagar

(<https://www.linkedin.com/in/fahimbagar/>)

06

Thanks to God and myself!

Berikan Feedbackmu!



<http://bit.ly/feedbackwebinarpasdev>

Jangan malu-malu untuk bertanya di telegram:
<https://t.me/PasuruanDev>
atau @imanuelr10