

# git-flow





Ingredients:  
Pork with Ham,  
Salt, Water,  
Modified Potato  
Starch, Sugar,  
Sodium Nitrite

# SPAM<sup>®</sup>

Classic

U.S.  
INSPECTED  
AND PASSED BY  
DEPARTMENT OF  
AGRICULTURE

Serving  
Suggestion

NET WT  
12 OZ  
(340g)



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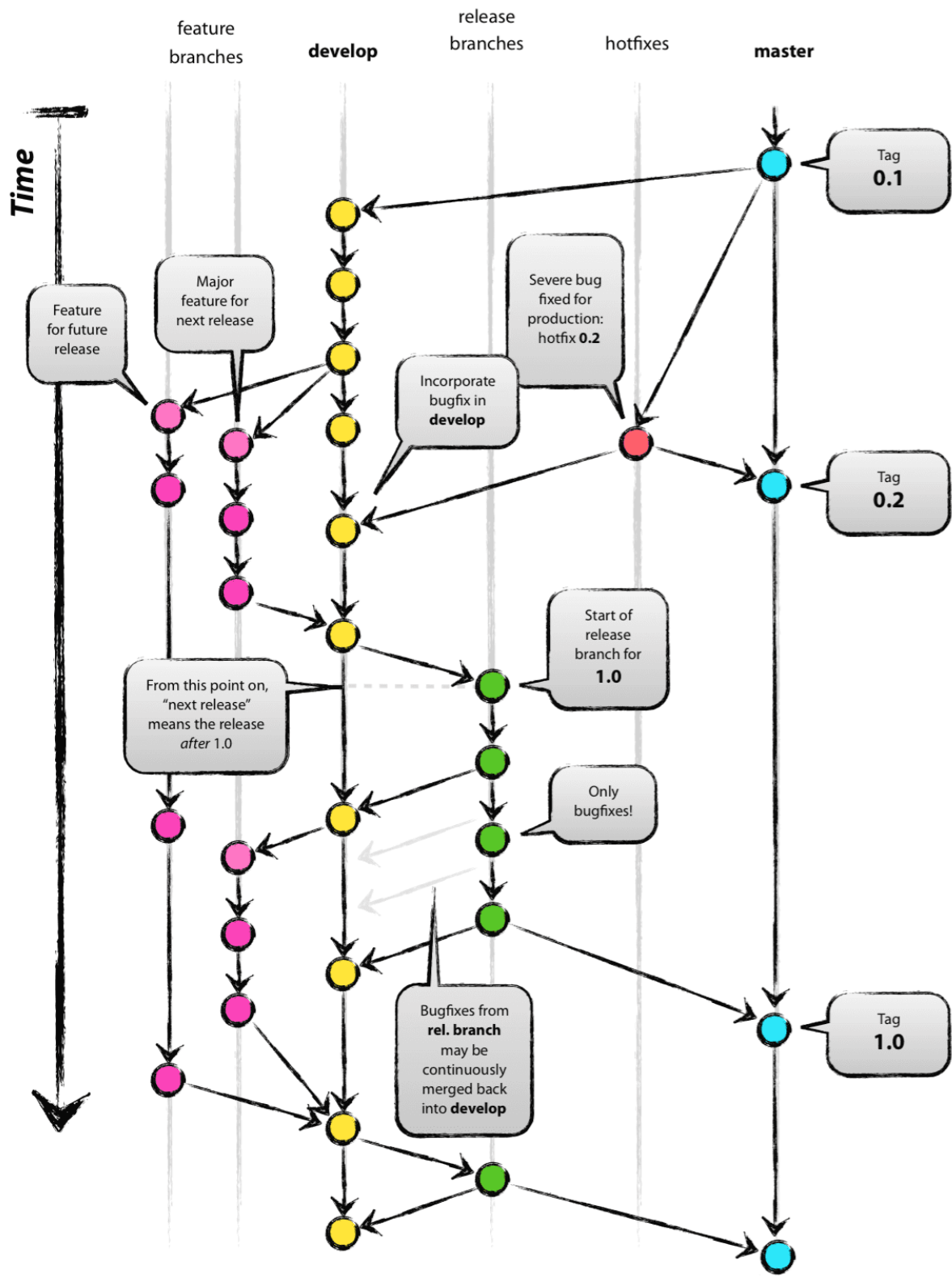
# QUADRALIA



# Contido

- Introducción
- Fluxos de traballo
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- Exercicio

# git-flow



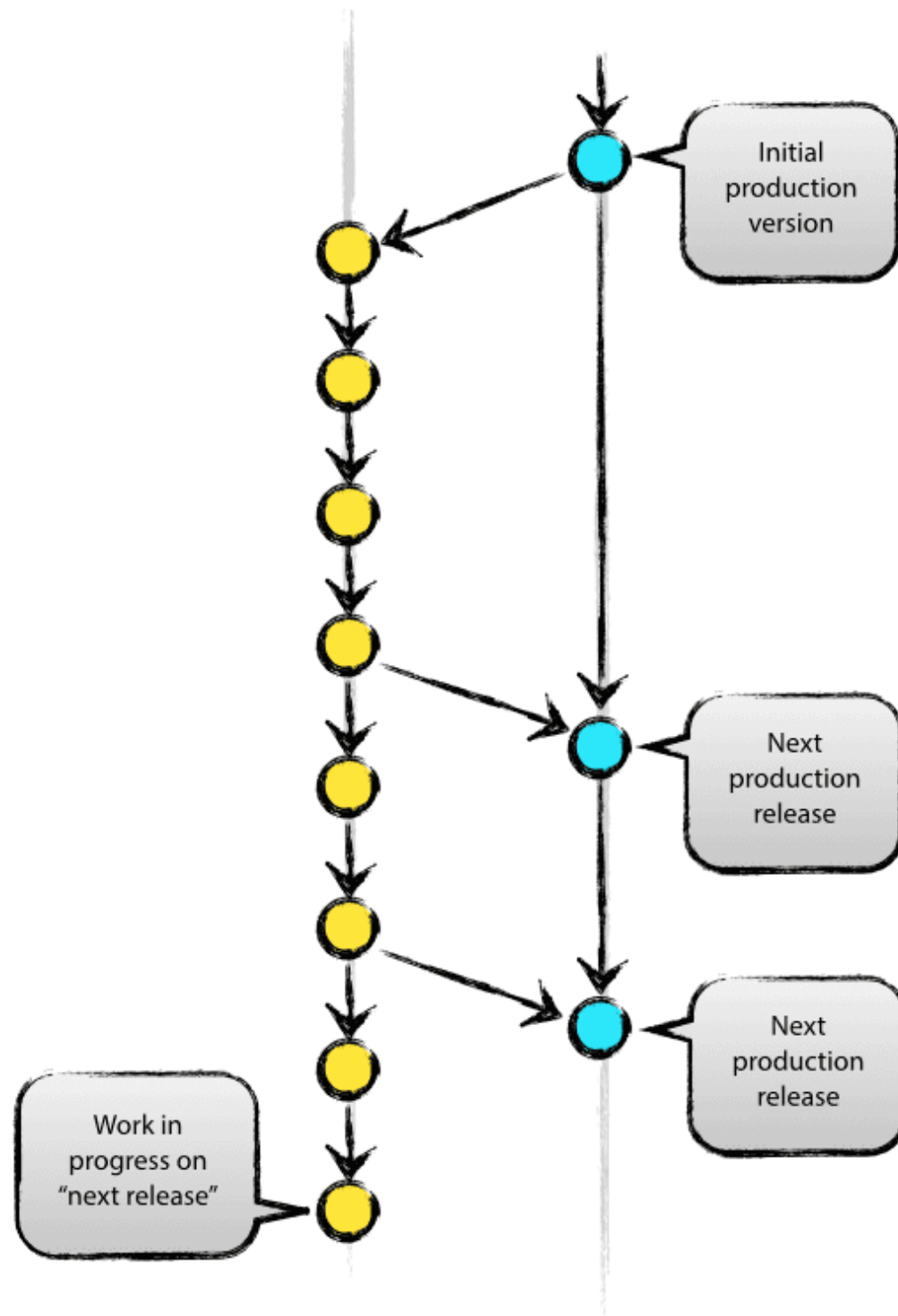
# Ramas principais

- master
- develop
  
- Permanentes



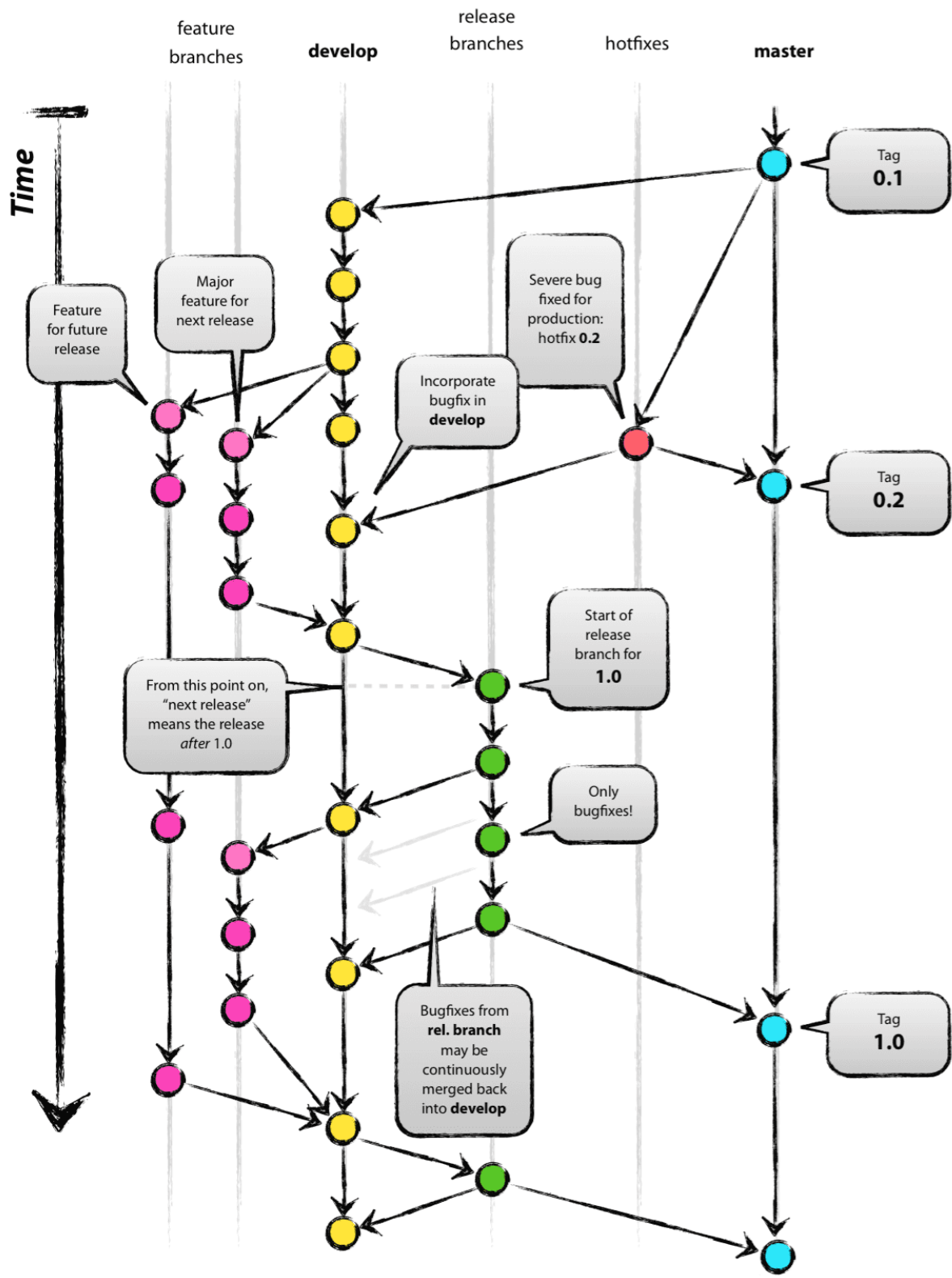
develop

master



# Ramas de suporte

- Feature
- Release
- Hotfix
  
- Propósito determinado
- Conjunto de regras de uso
- Tempo de vida limitado
- Ramas normais

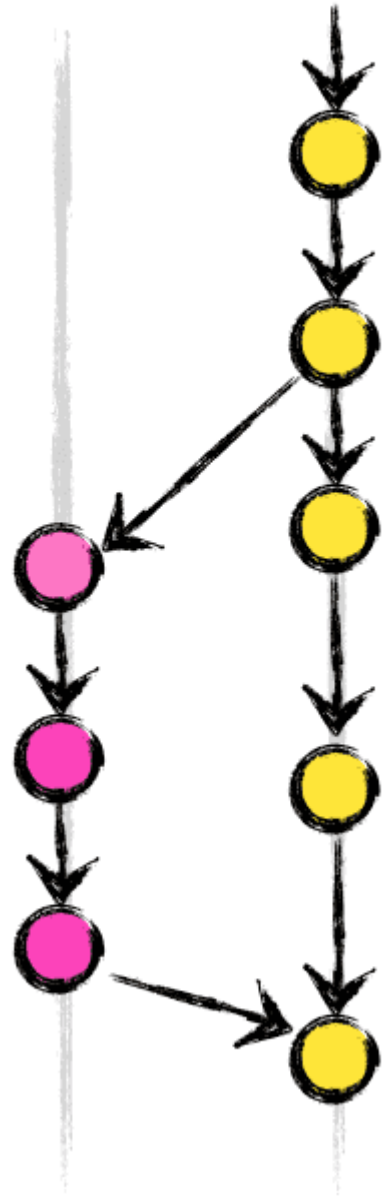


# Ramas feature (topic)

- Créanse a partir de develop
- Fusiónanse en develop
- Nome: calquera, excepto:
  - master
  - develop
  - release-\*
  - hotfix-\*
- Obxectivo: novas funcionalidades

feature  
branches

develop



# Ramas feature (topic)

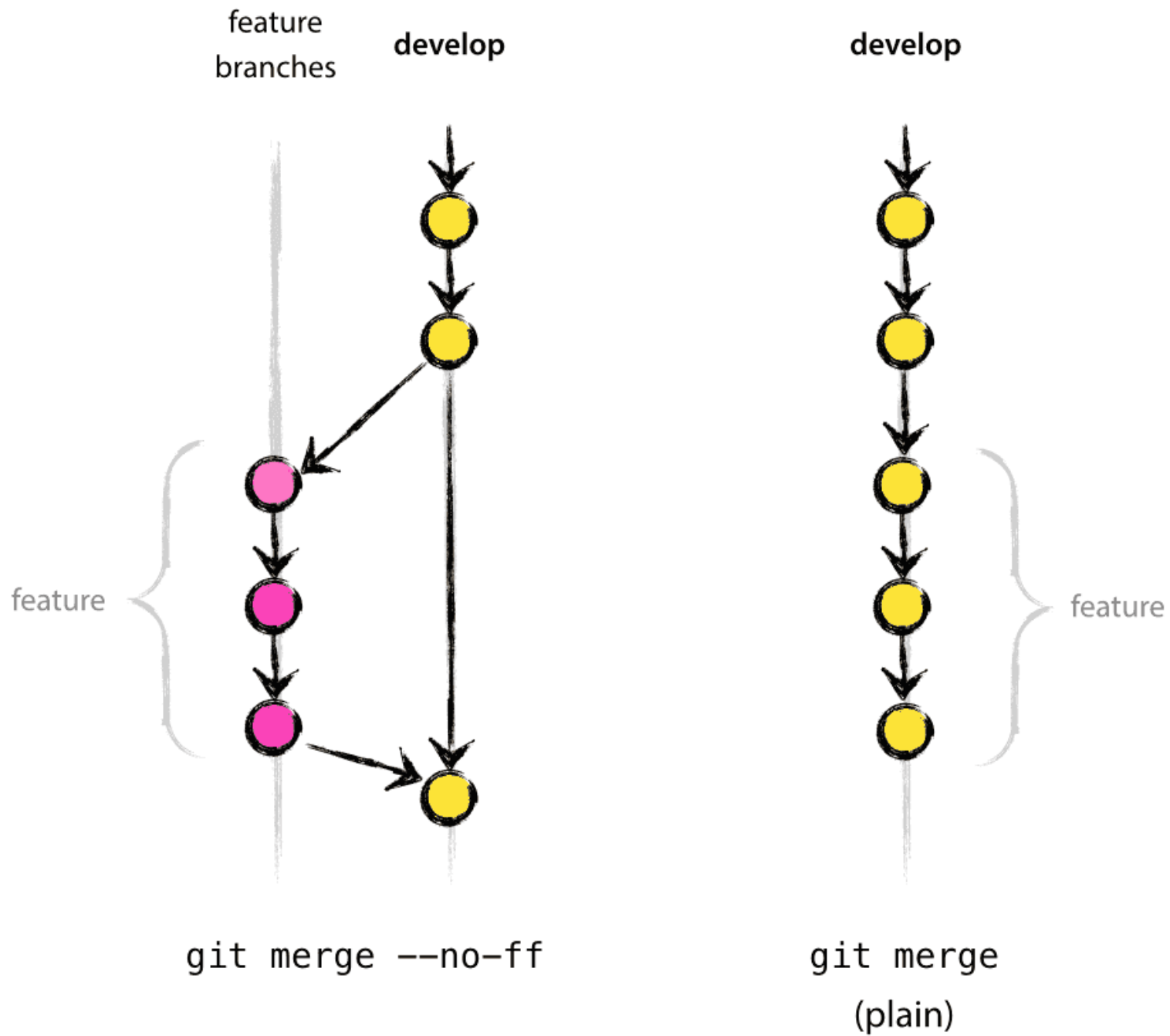
```
git checkout -b nova_funcionalidade develop
```

```
git checkout develop
```

```
git merge --no-ff nova_funcionalidade
```

```
git branch -d nova_funcionalidade
```

```
git push origin develop
```



# Ramas release

- Créanse a partir de develop
- Fusiónanse en master e en develop
- Nome: release-\*
- Obxectivo: preparación dunha nova publicación (release)



# Ramas release

```
git checkout -b release-2.6 develop
```

```
git checkout master
```

```
git merge --no-ff release-2.6
```

```
git tag -a 2.6
```

```
git checkout develop
```

```
git merge --no-ff release-2.6
```

```
git branch -d release-2.6
```

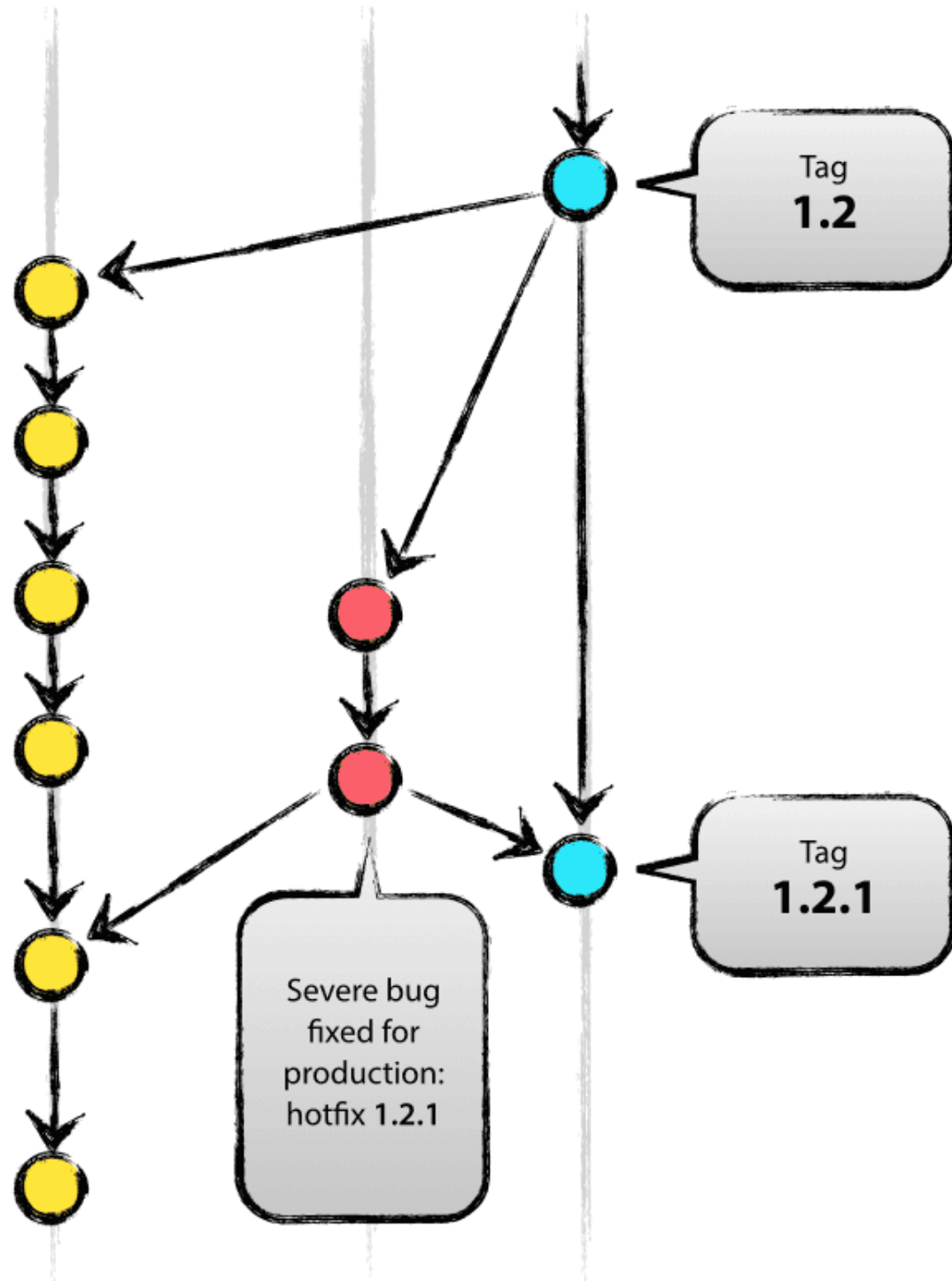
# Ramas hotfix

- Créanse a partir de master
- Fusiónanse en master e en develop
- Nome: hotfix-\*
- Obxectivo: resolución de erros en produción

develop

hotfixes

master



# Ramas hotfix

```
git checkout -b hotfix-2.6.1 master
```

```
git checkout master
```

```
git merge --no-ff bugfix-2.6.1
```

```
git tag -a 2.6.1
```

```
git checkout develop
```

```
git merge --no-ff bugfix-2.6.1
```

```
git branch -d bugfix-2.6.1
```

# Instalación

```
sudo apt-get install git-flow
```

```
sudo dnf install gitflow
```

Comprobación da versión instalada:

- `git flow version`

# Subcomandos

\$ git flow

- **init**
- **feature**
- bugfix
- **release**
- **hotfix**
- support
- **version**
- config
- log



# git flow init

```
$ git flow init help
```

```
$ git flow init
```

- Nome das ramas
- Prefixo das etiquetas

```
$ cat .git/config
```

```
$ git branch
```

# git flow init (II)

```
$ git clone https://github.com/jquery/jquery.git
```

```
$ cd jquery
```

```
$ git branch -a -v
```

```
$ git flow init
```

```
$ git branch -a -v
```

```
$ cat .git/config
```



# git flow feature

```
$ git flow feature help
```

```
$ git flow feature list
```

```
$ git flow feature start licenciaAdd
```

```
$ git branch
```

```
$ touch licencia.txt
```

```
$ echo 'The MIT License (MIT)' >> licencia.txt
```

```
$ echo 'Copyright (c) 2016 Jesús Amieiro Becerra' >>  
licencia.txt
```

```
$ git add licencia.txt
```



# git flow feature (II)

```
$ git commit -m "Engado o arquivo de licencia"
```

```
$ git remote add origin
```

```
https://amieiro@bitbucket.org/amieiro/git\_flow.git
```

```
$ git push -u origin master
```

```
$ git push -u origin develop
```

```
$ git flow feature publish licenciaAdd
```

# git flow feature (III)

```
# Usuario 2
```

```
$ git clone
```

```
https://JesusAmieiro@bitbucket.org/amieiro/git_flow  
.git
```

```
$ git branch -a -v
```

```
$ git flow init
```

```
$ git flow feature track licenciaAdd
```

```
$ git flow feature pull origin licenciaAdd
```

```
$ git branch -a -v
```



# git flow feature (IV)

```
# Usuario 1
```

```
$ git flow feature finish licenciaAdd
```

```
$ git branch -a -v
```

```
$ git push
```

```
$ git branch -a -v
```

# git flow feature (V)

```
# Usuario 2
```

```
$ git checkout master; git pull origin master; git fetch  
--all -p; git branch -vv | grep ": gone]" | awk '{ print  
$1 }' | xargs -n 1 git branch -D
```

# git flow release

```
$ git flow release help
```

```
$ git flow release list
```

```
$ git flow release start 0.1.0
```

```
$ git branch -a -v
```

```
$ echo "0.1.0" >> version.txt
```

```
$ git add version.txt
```

```
$ git commit -m "Engado o arquivo de versión ao proxecto"
```

```
$ git flow release publish 0.1.0
```



# git flow release (II)

```
$ echo "Puedes consultar la licencia en la URL  
https://opensource.org/licenses/MIT" >> licencia.txt
```

```
$ git commit -am "Añado la URL de consulta en el  
archivo de licencia"
```

```
$ git flow release publish 0.1.0
```

```
$ git flow release finish -F -p 0.1.0
```

# git flow hotfix

```
$ git flow hotfix help
```

```
$ git flow hotfix list
```

```
$ git flow hotfix start 0.1.1
```

```
$ echo "0.1.1" > version.txt
```

```
$ echo "vendor/" >> .gitignore
```

```
$ git add .gitignore
```

```
$ git commit -m "Añado el archivo .gitignore"
```

```
$ git flow hotfix publish 0.1.1
```



# git flow hotfix (II)

```
$ git branch -a -v
```

```
$ git flow hotfix finish --help
```

```
$ git flow hotfix finish -F -p 0.1.1
```

```
$ git branch -a -v
```

```
$ git log --oneline --all --decorate --graph
```

# Onde continuar?

Libro "git-flow"

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

<https://github.com/petervanderdoes/gitflow-avh/wiki>

<https://yakiloo.com/getting-started-git-flow/>



# Exercicio

# Exercicio (I)

Por parellas: usuario1 (U1) e usuario2 (U2).

Crear 2 contas (1 por usuario) en Bitbucket ou sitio similar.

U1: Crear un proxecto con git-flow.

U1: Crear o arquivo de licenza MIT.

U2: Clonar o proxecto e inicializalo con git-flow.

U2: Crear o arquivo ".gitignore", excluindo do seguimento os arquivos "png."

# Exercicio (II)

U1: Crear a release 0.1.0, cun arquivo "version.txt" onde se indique a versión e publicala.

U2: Crear un arquivo "index.html" con contido válido.

U2: Crear un arquivo "style.css" con contido válido.

U1: resolver un erro coa licencia en produción, que tiña que ser GPL v2 en vez de MIT.

U2. Crear a release 0.2.0, cos novos cambios, e publicalos.

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