

# Branching Patterns

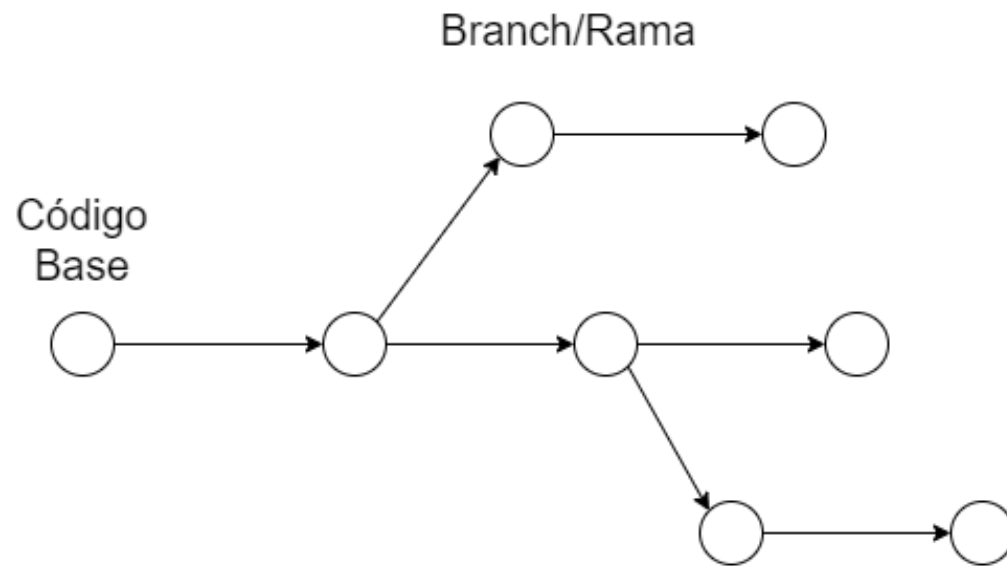
Beatriz Arbizu Ramírez U0225211

Juan Mencía Menéndez U0264197

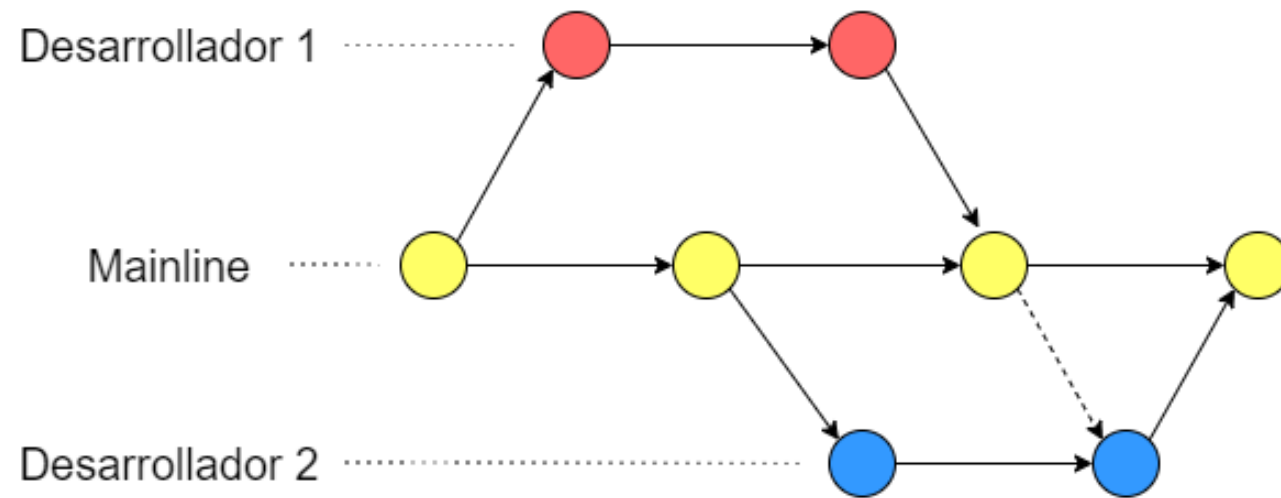
Joaquín Hermida Giganto U0271718

# Patrones Base

# Source Branching




# Mainline



# Healthy Branch

Runs: 4/8    ✖ Errors: 0    ❌ Failures: 0



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▼ Rama tests [Runner: JUnit 4]

- ✓ Test 1
- ✓ Test 2
- ✓ Test 3
- ▶ Test 4
- ✓ Test 5
- ✓ Test 6
- ✓ Test 7
- ✓ Test 8

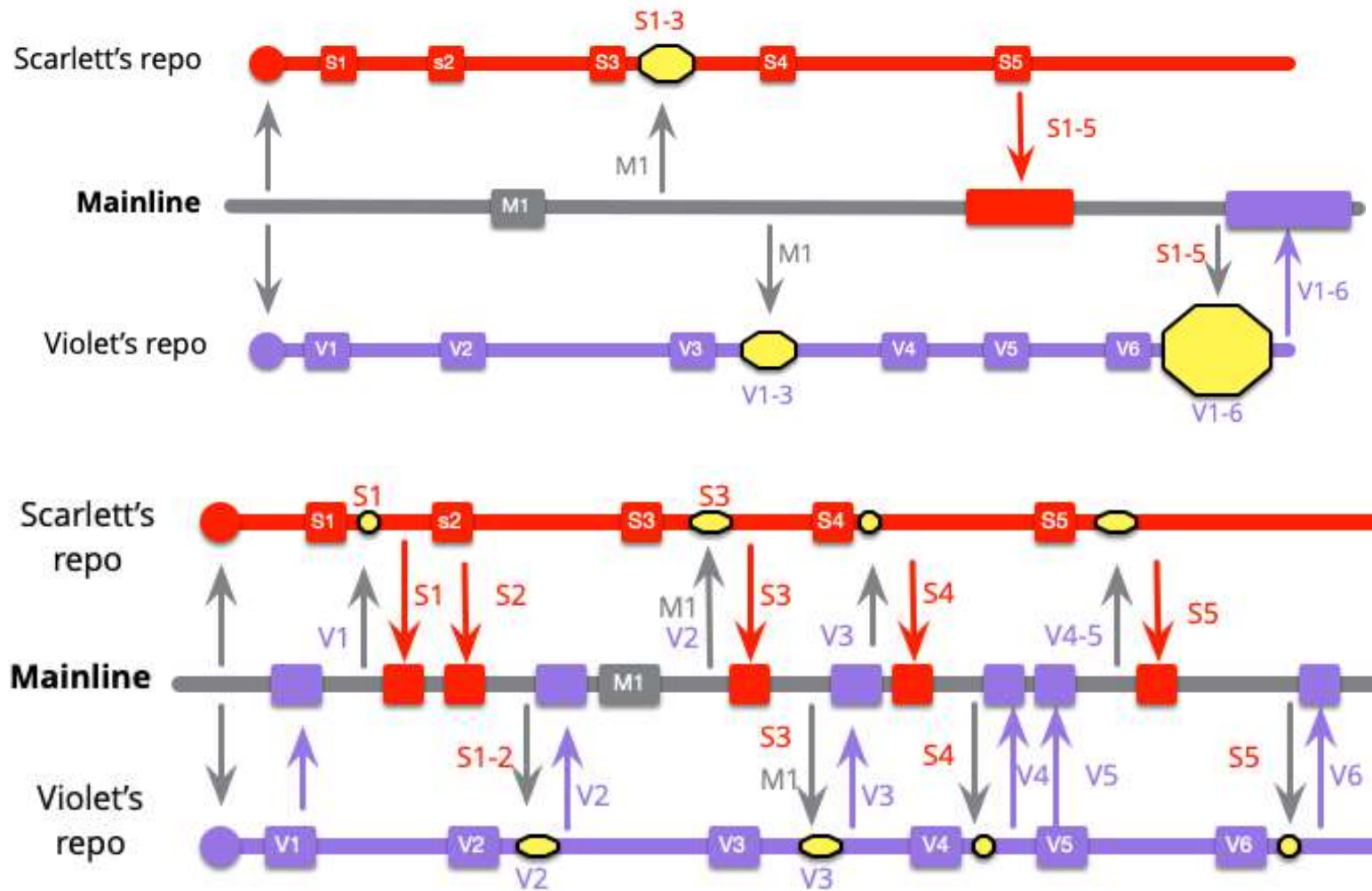
# Clasificación de patrones

- ▶ Patrones de Integración
- ▶ Patrones de Producción

# Patrones de Integración

- Integración en línea principal
  - Ramas por características
    - Integración continua
  - Revisión pre-Integración

# Frecuencia de Integración





Mayor comodidad al integrar  
=  
Mayor frecuencia de Integración

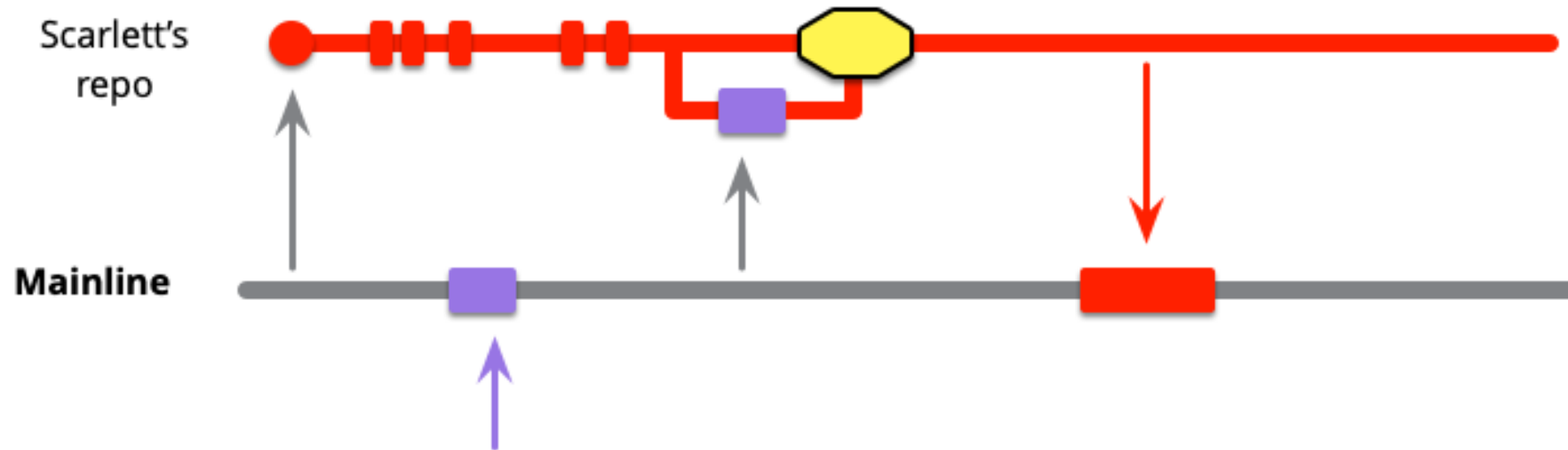
## Fricción de Integración

Mayor cantidad de obstáculos al integrar = Menor comodidad

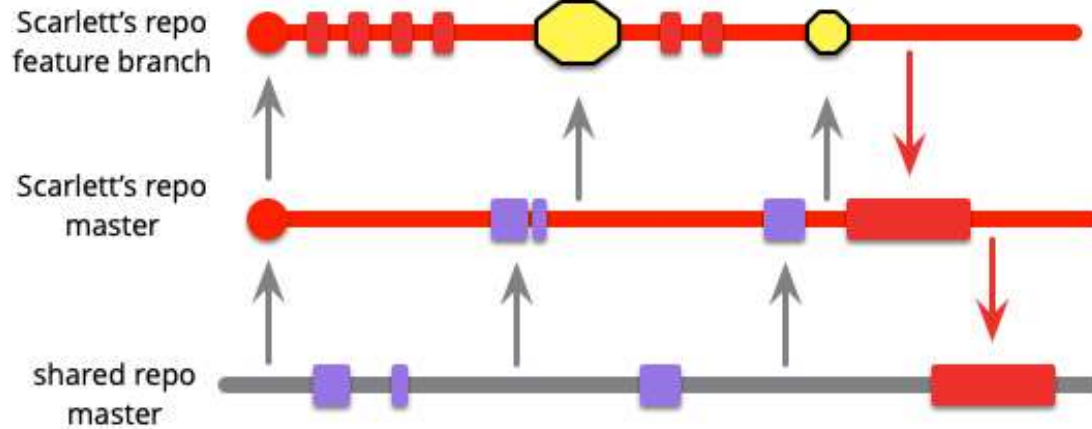
## Modularidad del proyecto

Mejor diseño de la aplicación = Mayor comodidad al integrar

# Mainline Integration







# Feature branching



## Continuous Integration

Tiempo de subida < 24h

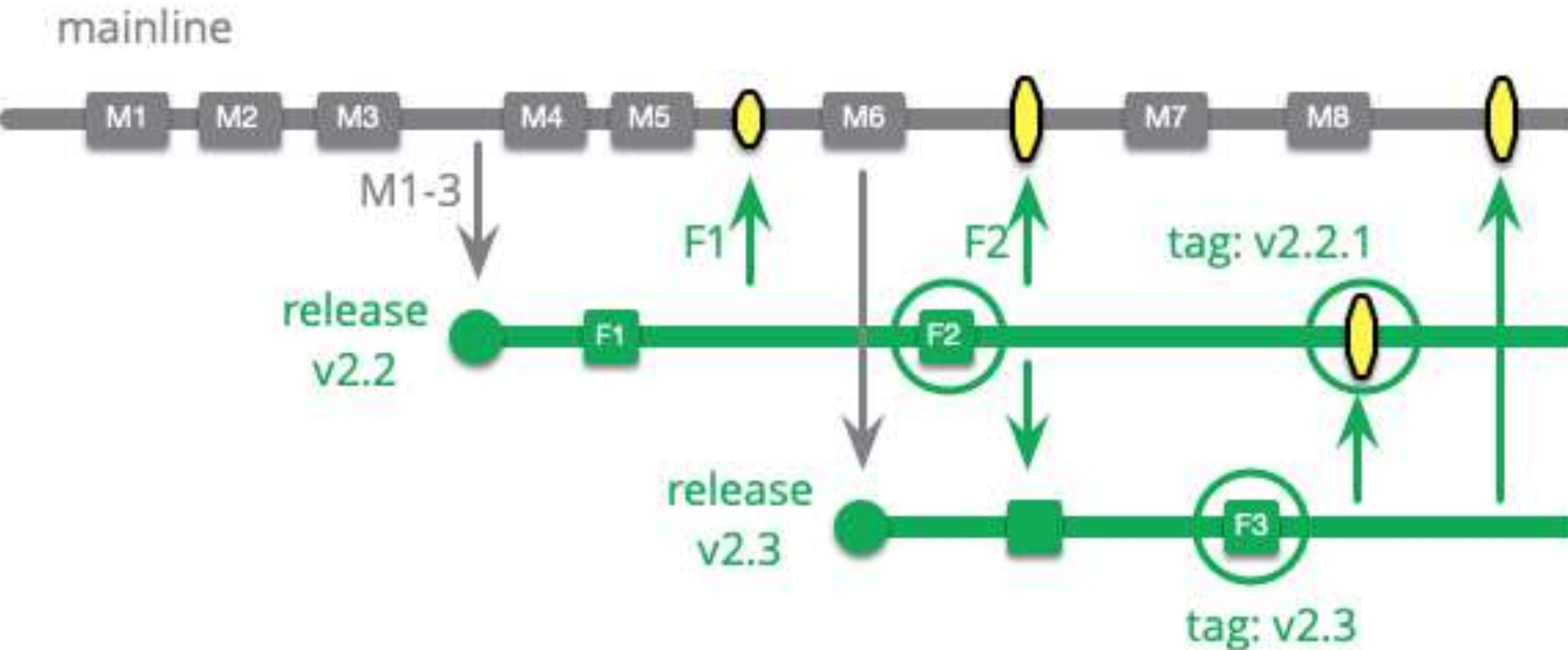
# Pre-Integration Review

- ▶ Integración en línea principal 
- ▶ Ramas de funcionalidades  
- ▶ Integración continua 

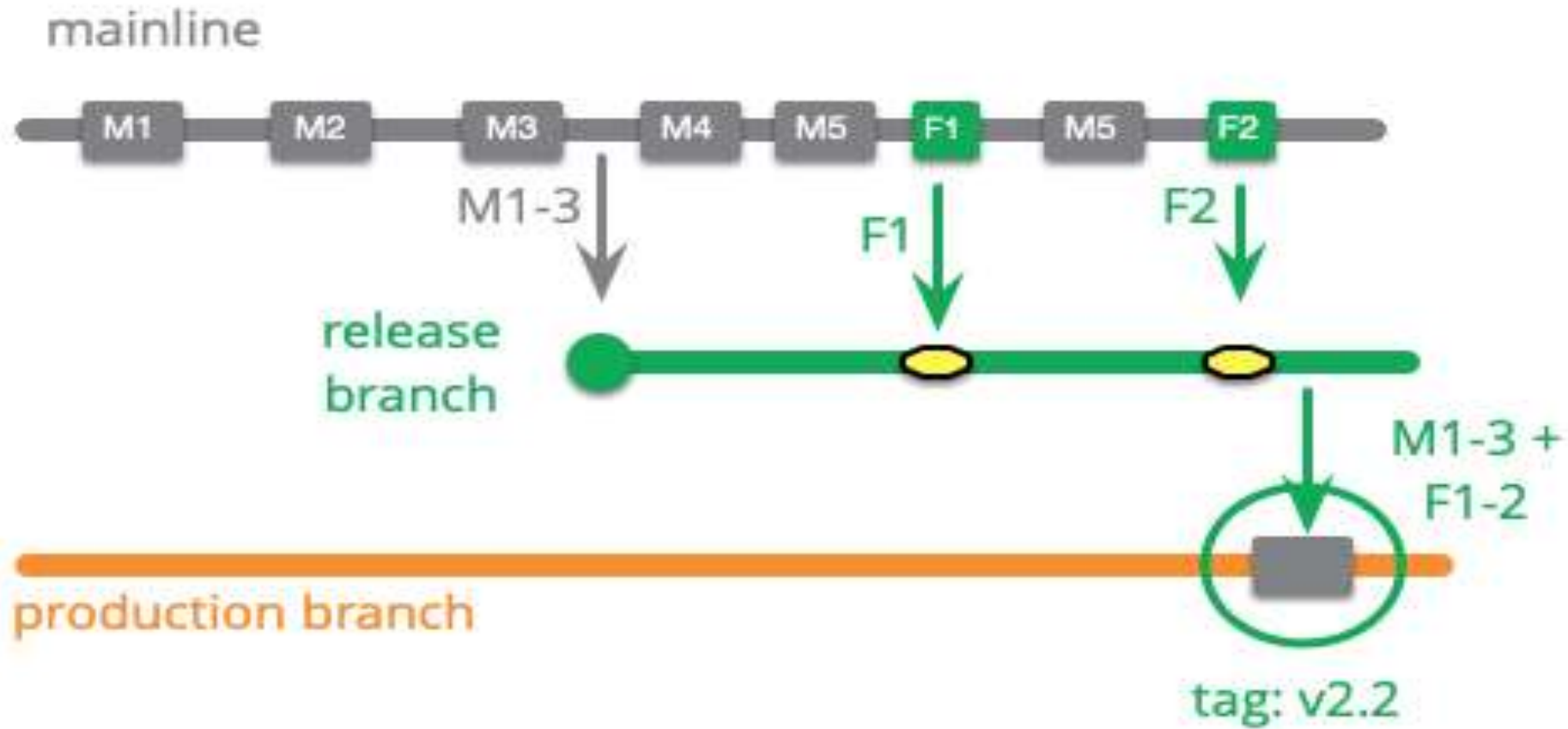
# Patrones de producción

# Release Branch

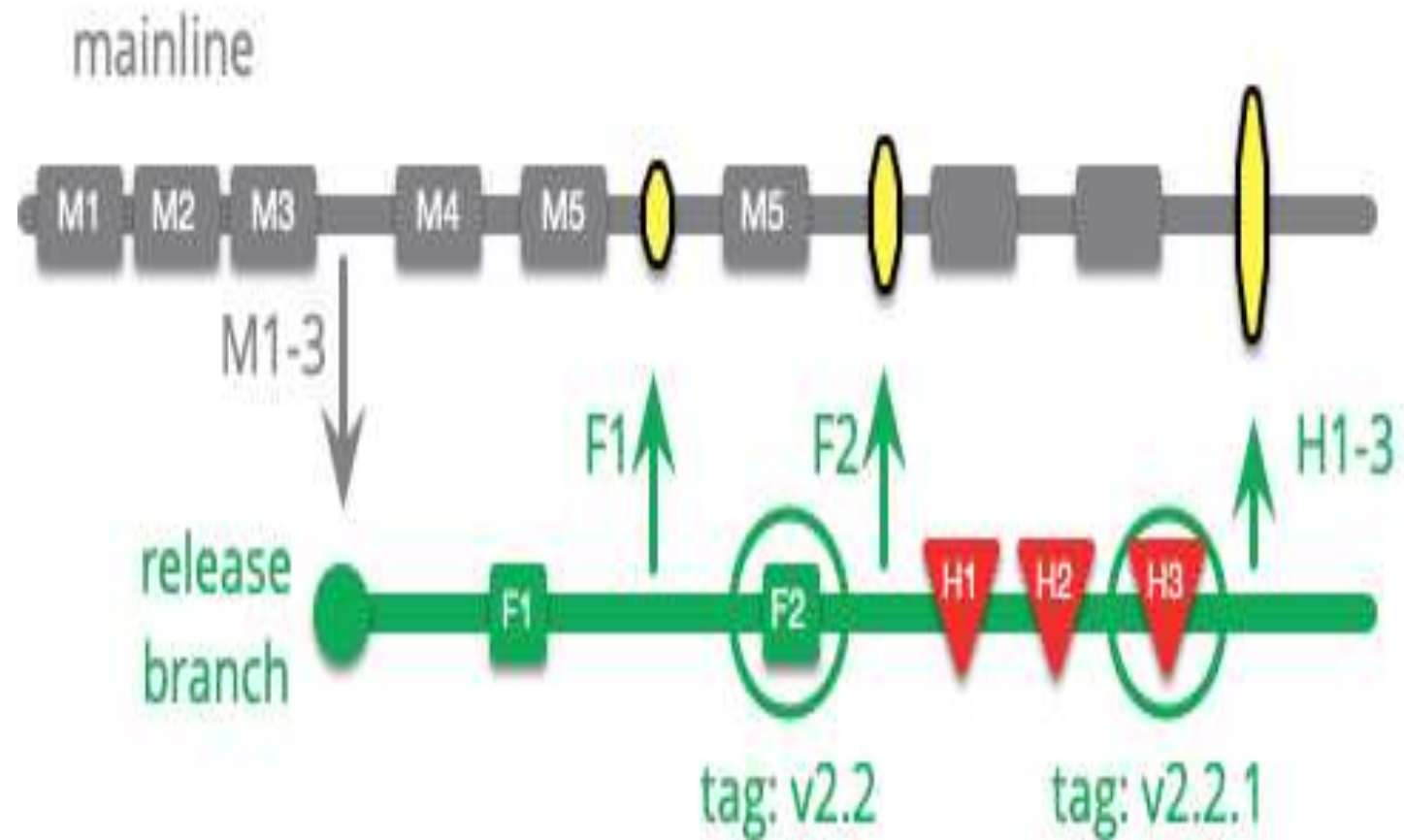
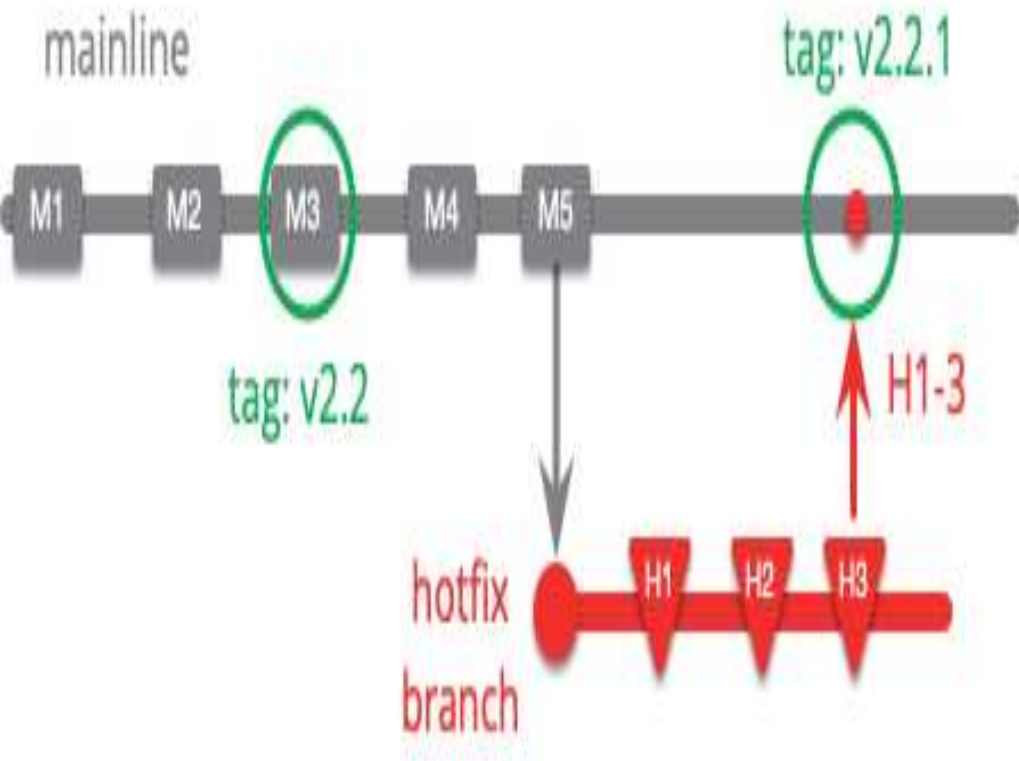
- ▶ Ramificación por versiones
- ▶ Bloqueo de la rama
- ▶ Líneas de Lanzamiento



# Maturity Branch

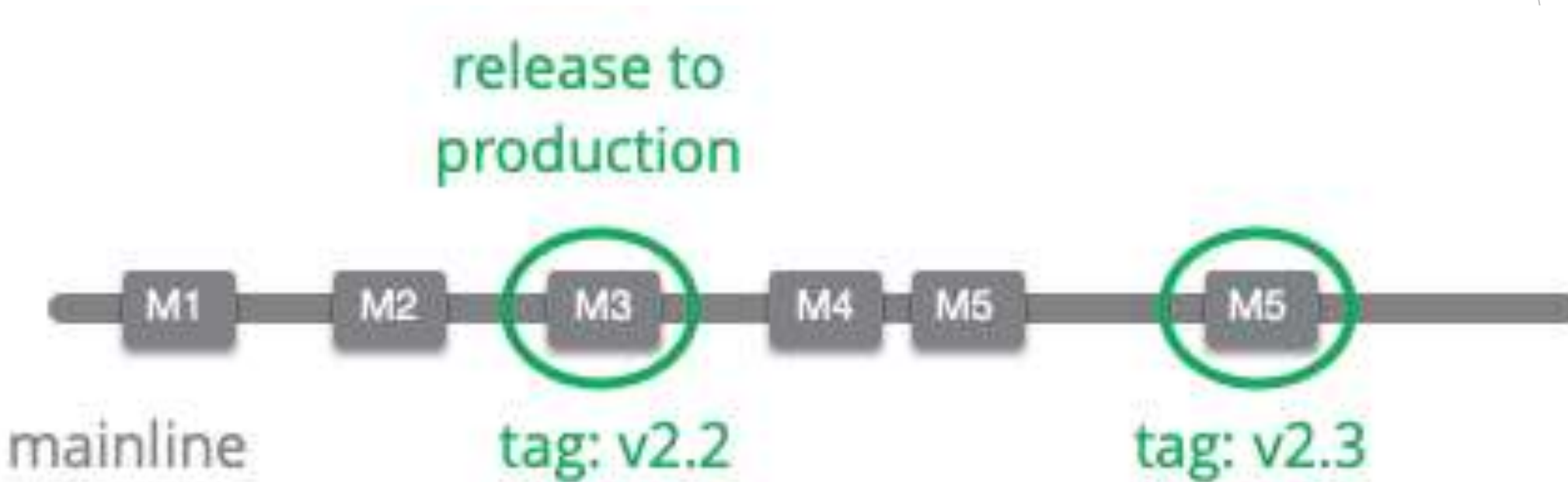


# Hotfix Branch

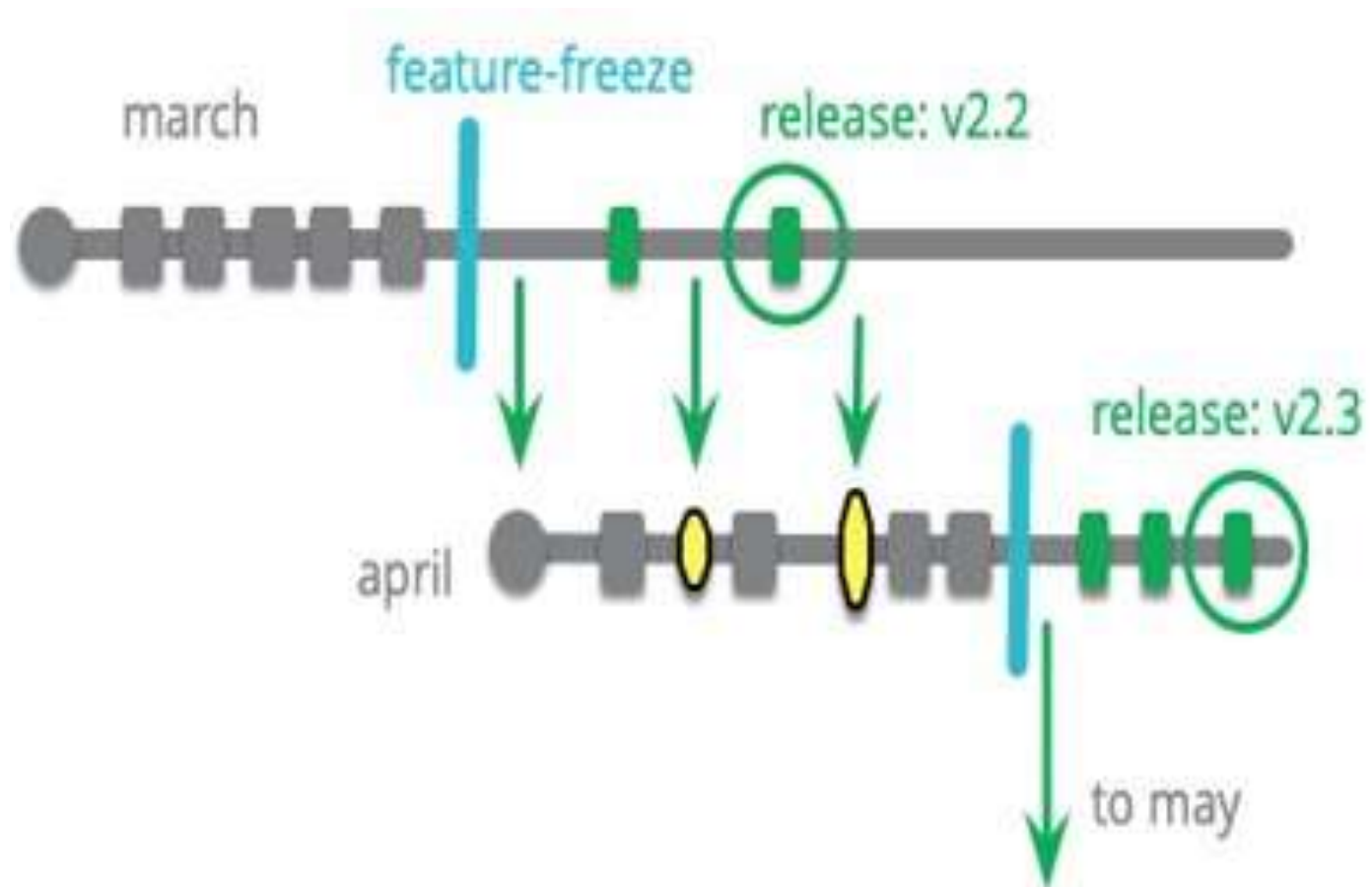




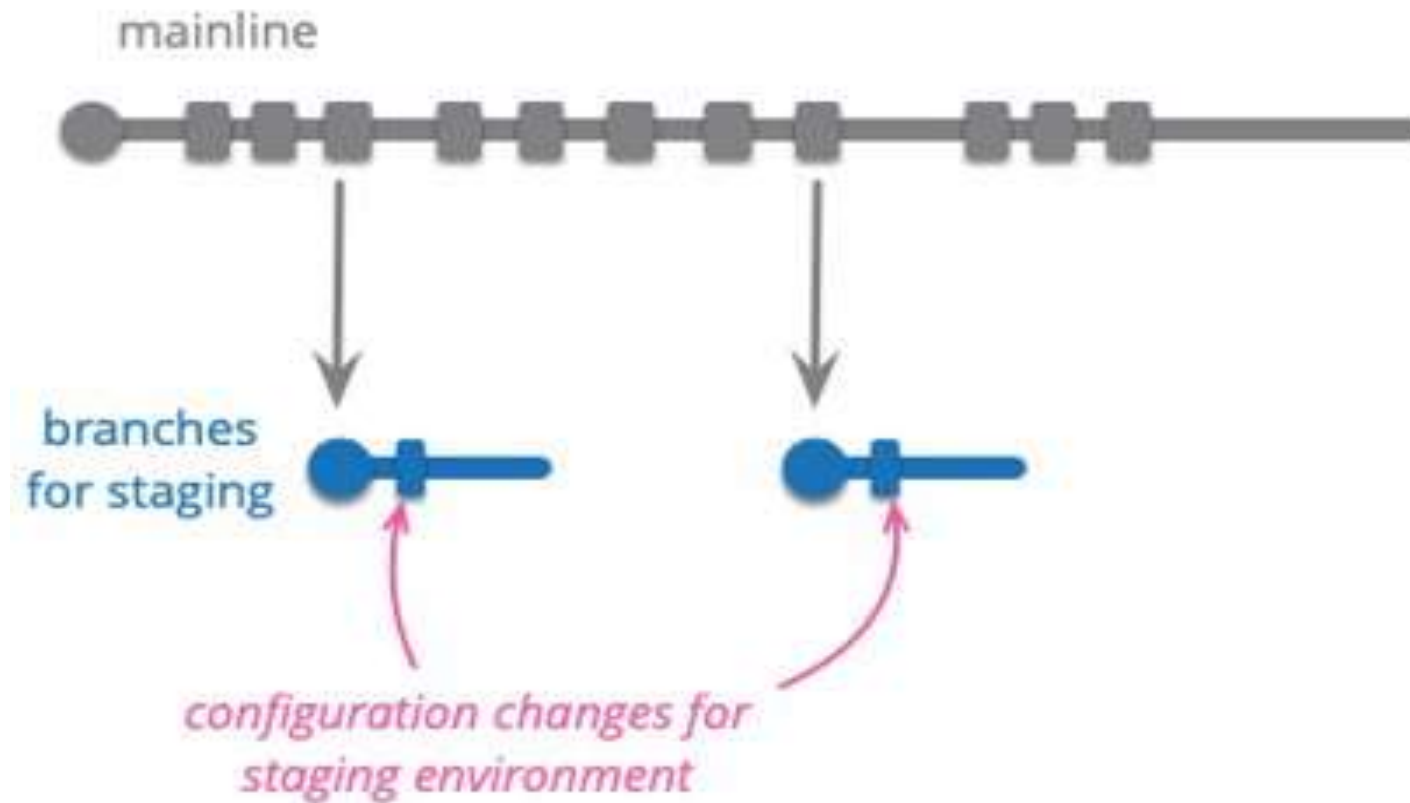
# Release-Ready Mainline



# Release Train

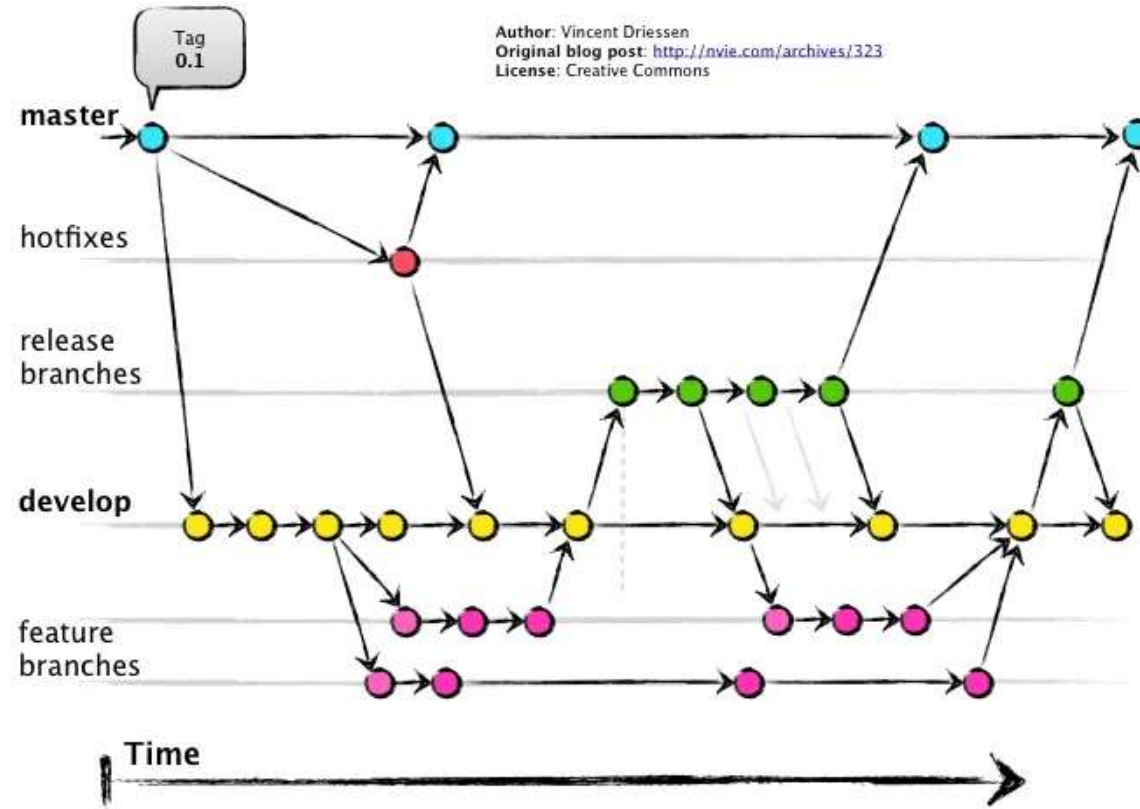


# Environment Branch

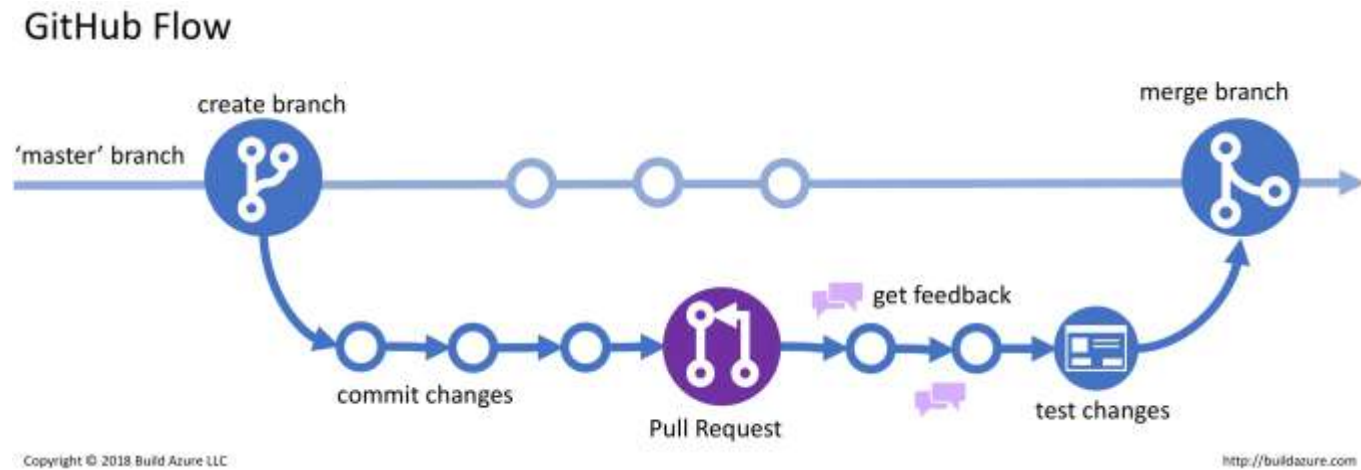


# Branching Policies

# Git-flow



# GitHub Flow



# Trunk Based Development

## Scaled Trunk Based Development

