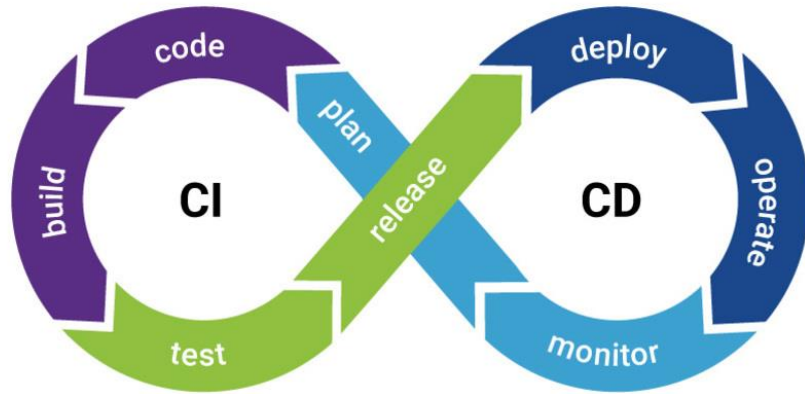


# CI/CD

# Software Development

Continuous Integration  
Continuous Delivery

# What is CI/CD



## Continuous Integration - CI

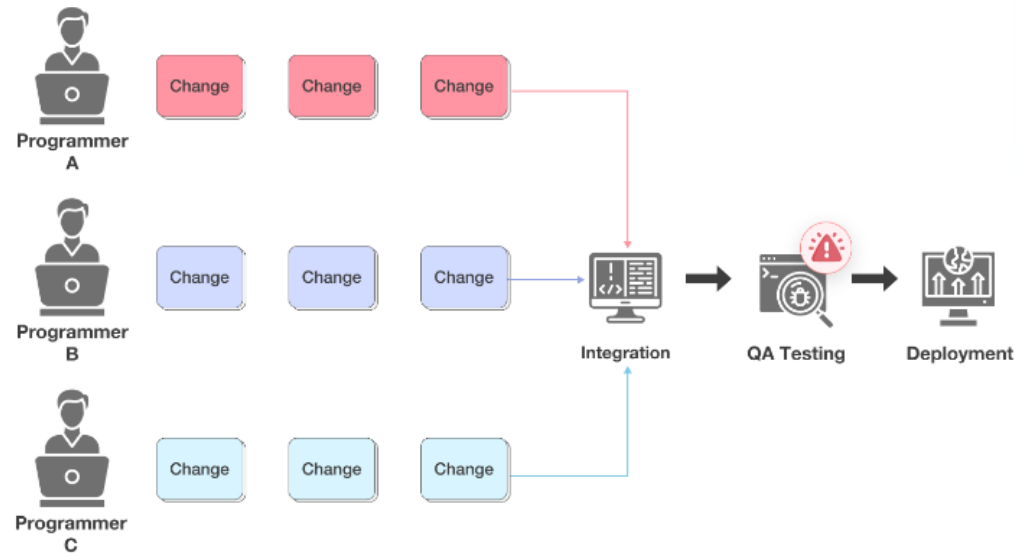
A software development practice, whose purpose is to make collaboration and code integration smoother.

## Continuous Delivery - CD

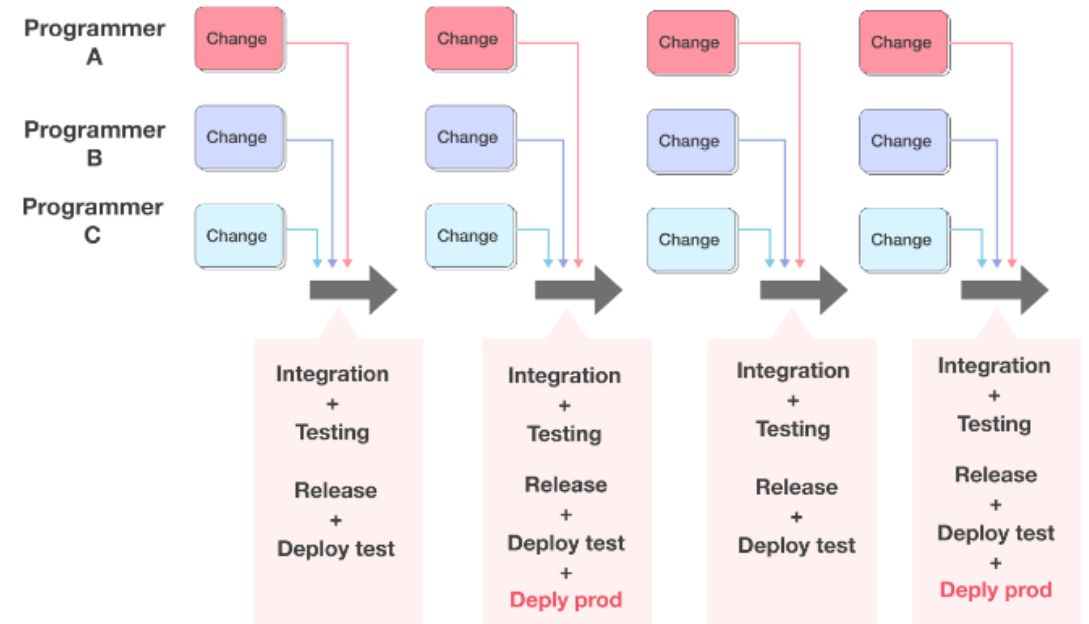
In conjunction with CI, CD involves regularly releasing new versions to target environments automatically, reducing human intervention.

# Software Development Before and After CI/CD

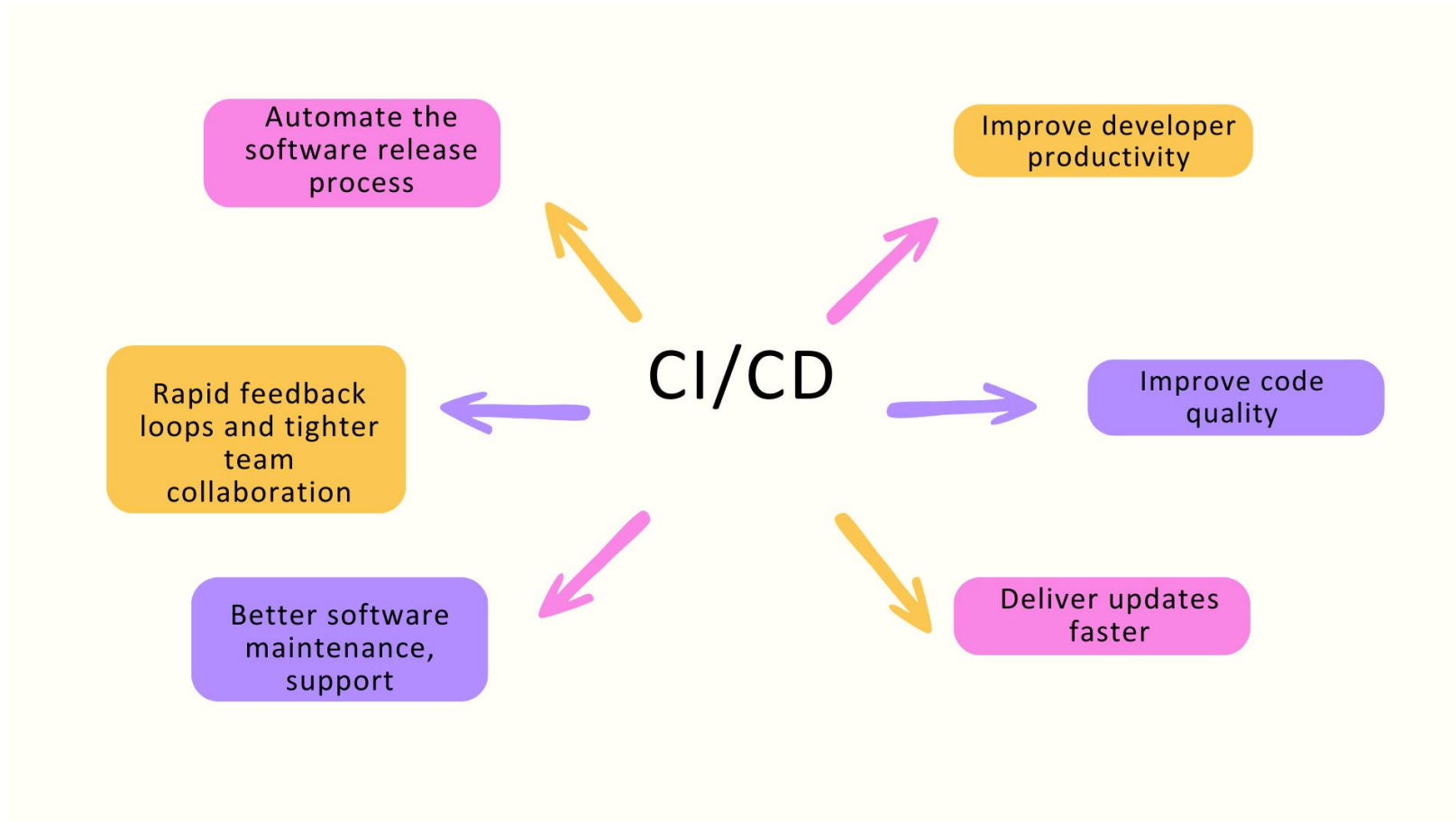
- Before CI/CD



- After CI/CD



# Benefit of CI/CD



# Tools, Plugin for CI/CD

	 Jenkins	 TeamCity	 circleci	 Bamboo	 GitLab
Open source	Yes	No	No	No	No
Ease of use & setup	Medium	Medium	Medium	Medium	Medium
Built-in features	3/5	4/5	4/5	4/5	4/5
Integration	★★★★★	★★★★	★★★★★	★★★★	★★★★★
Hosting	On premise & Cloud	On premise & Cloud	On premise	On premise & Bitbucket as Cloud	On premise & Cloud
Free version	Yes	Yes	Yes	Yes	Yes
Build agent license pricing	Free	From \$59 per month	From \$15 per month	From \$10 one-off payment	From \$19 per month per user
Supported OSs	Windows, Linux, macOS, Unix-like OS	Linux or MacoS	Windows, Linux, macOS, Solaris, FreeBSD and more	Windows, Linux, macOS, Solaris	Linux distributions: Ubuntu, Debian, CentOS, Oracle Linux

