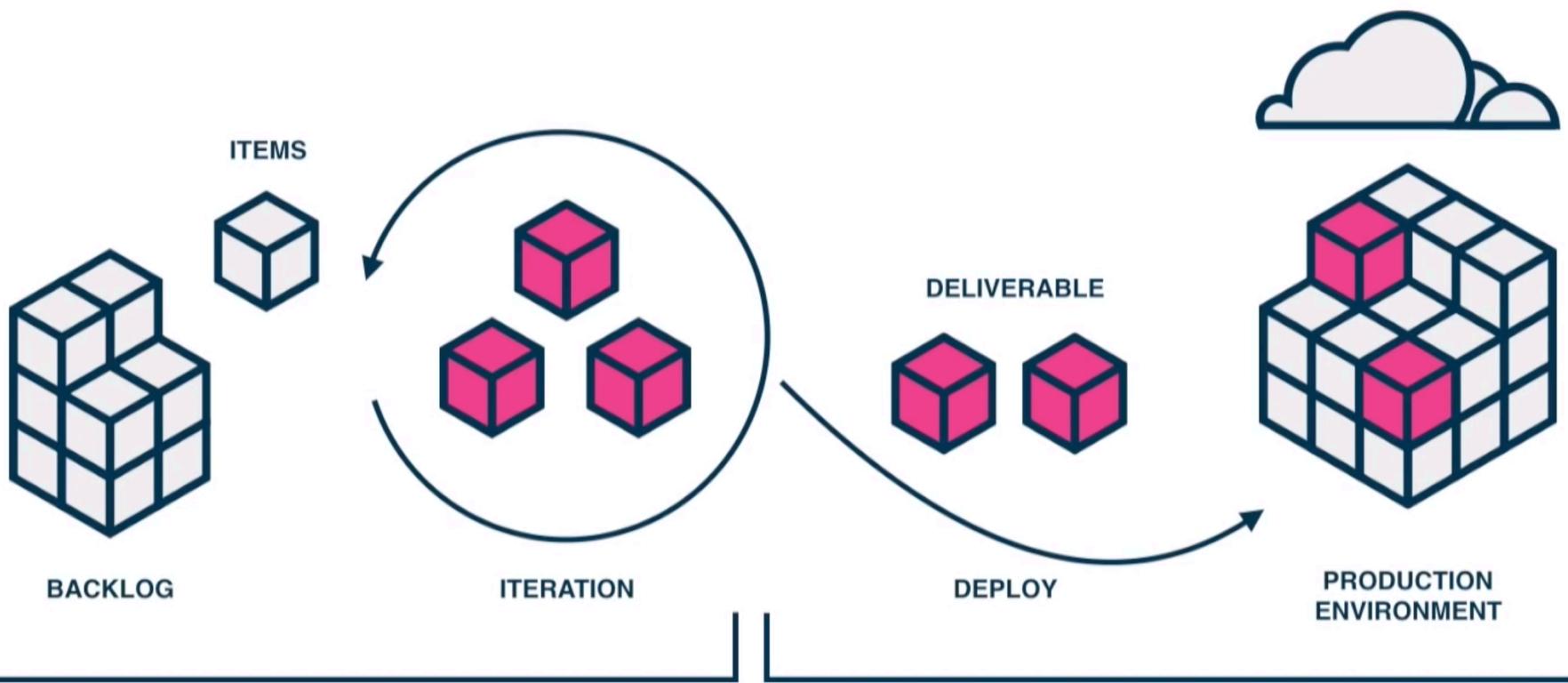


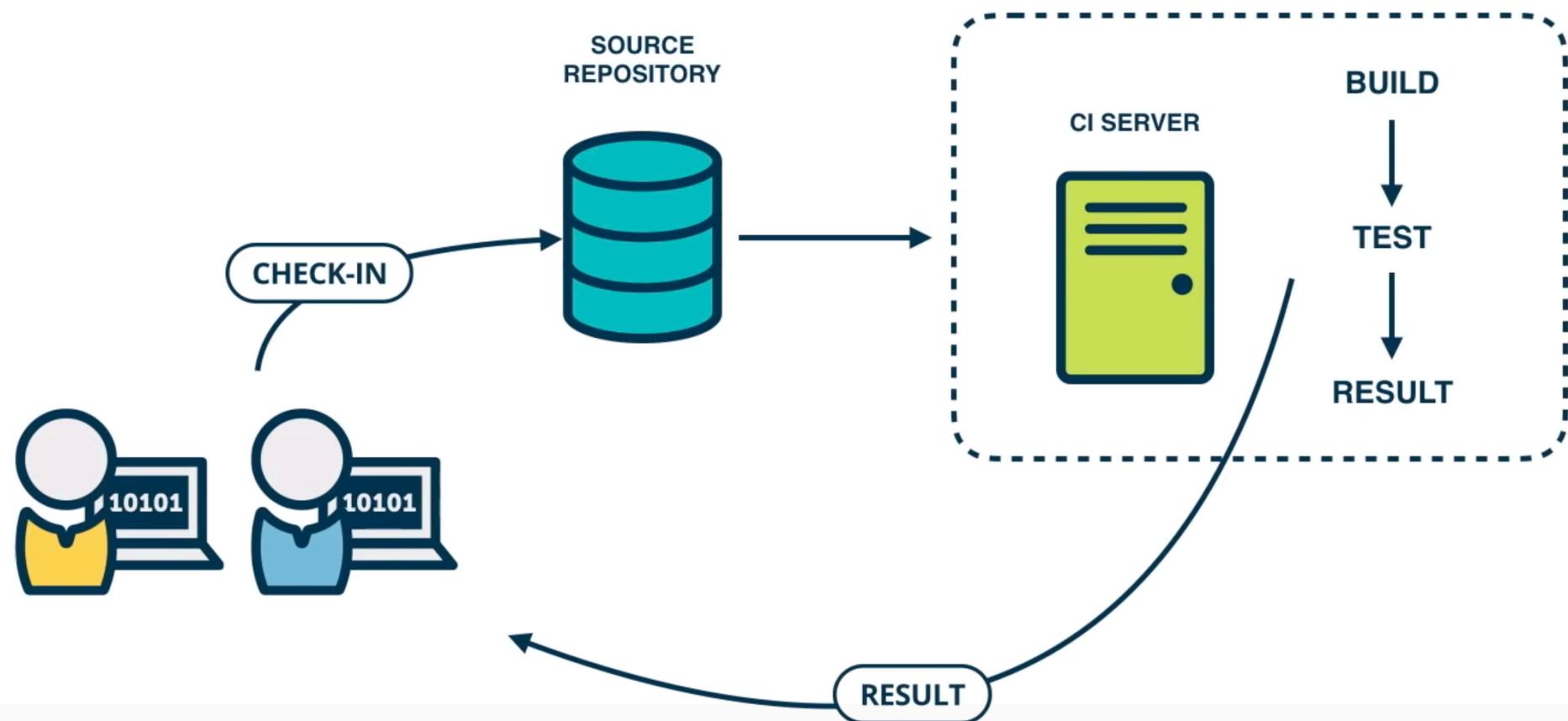
# CONTINUOUS INTEGRATION IN A NUTSHELL

What it solve?

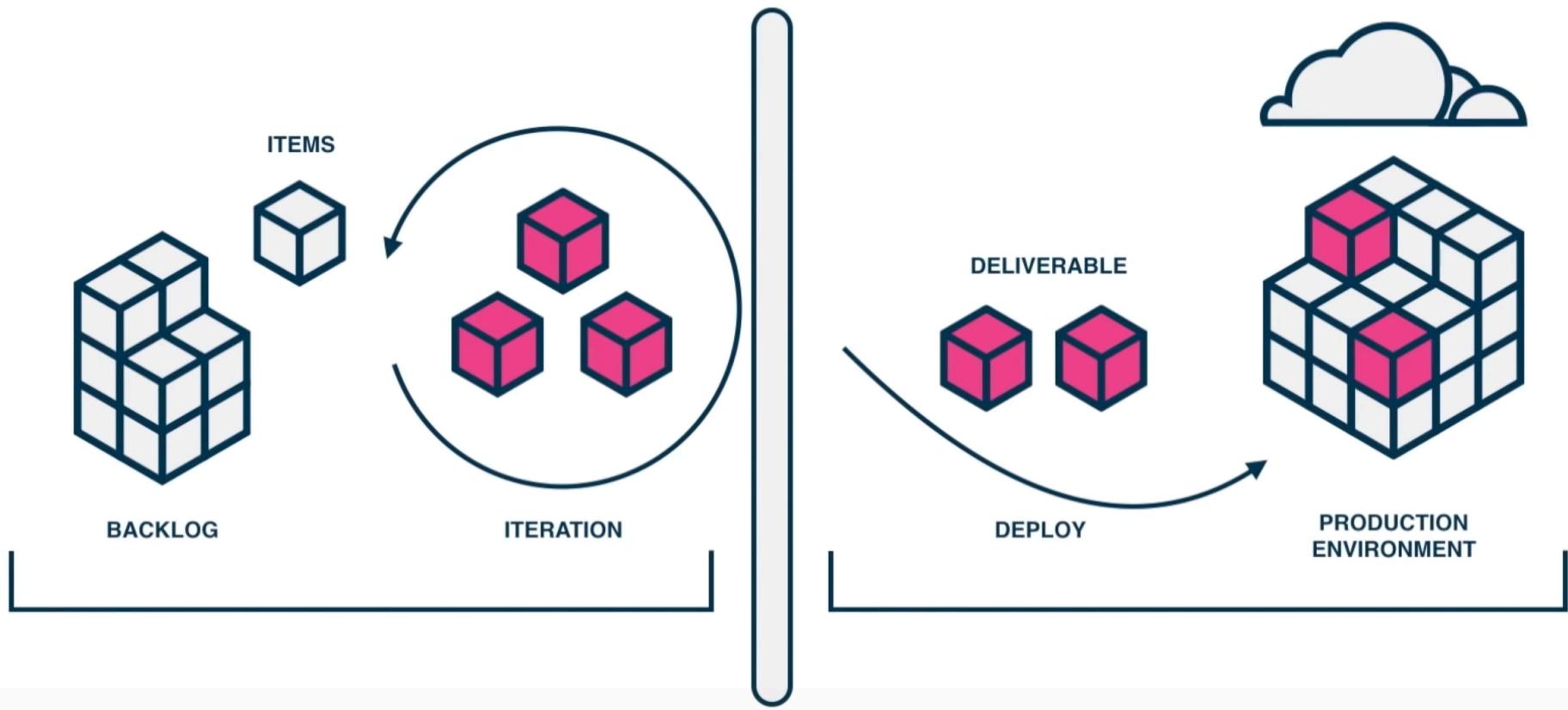
# Agile & Lean



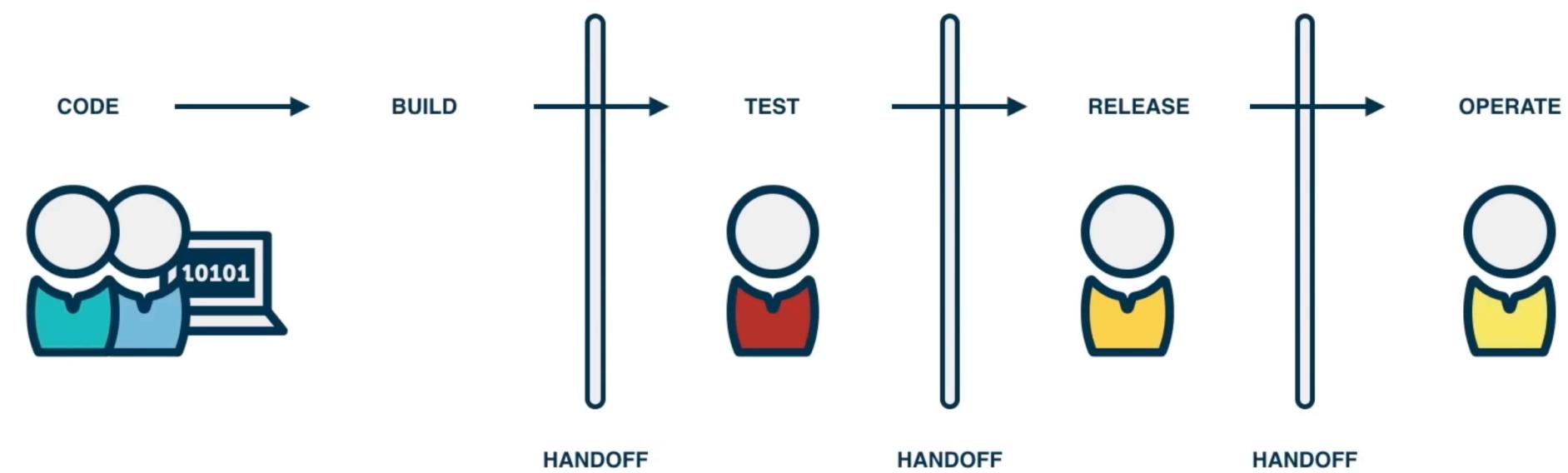
# Continuous Integration



# CI Challenges



# CI Challenges



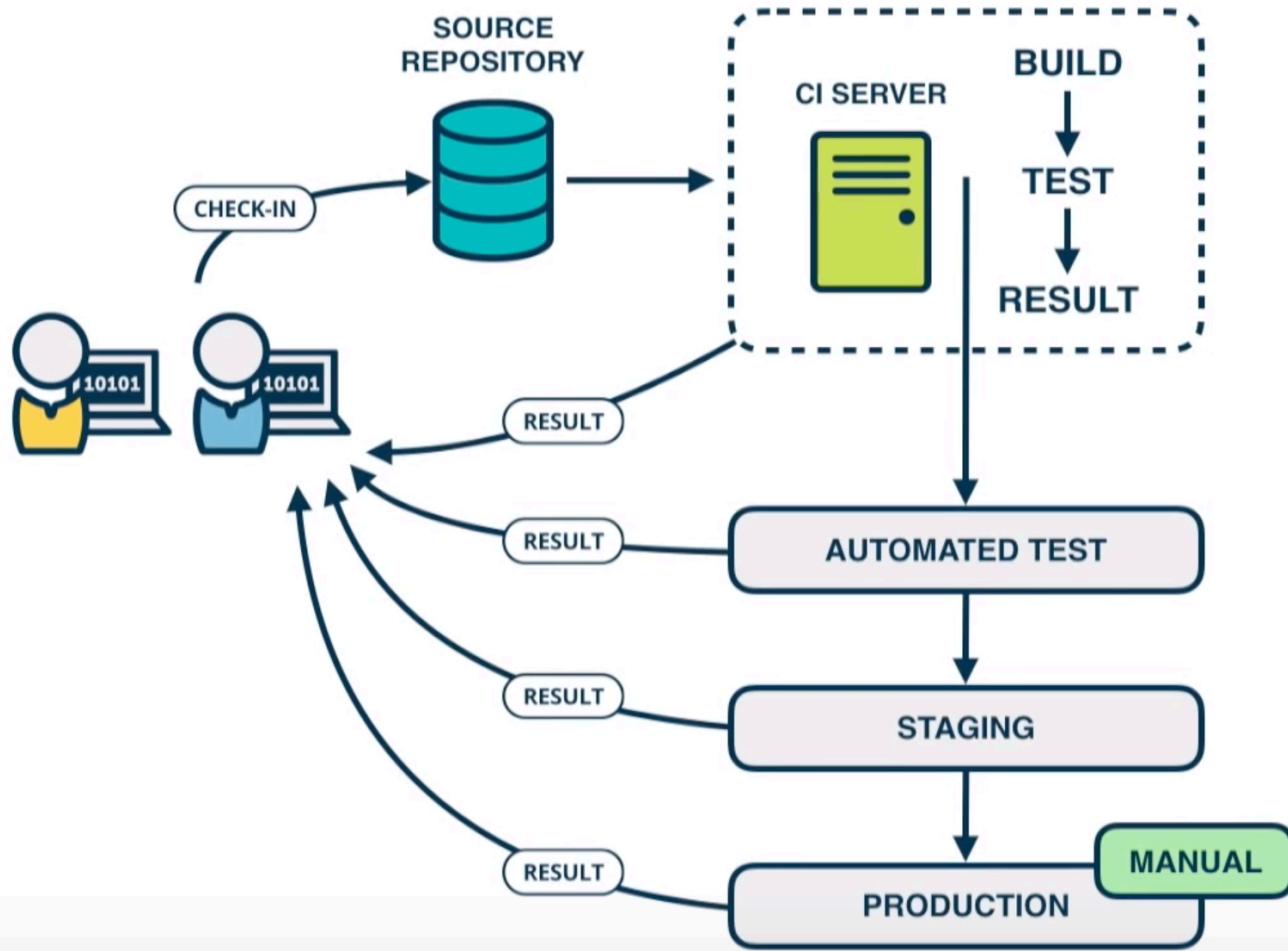
# Value Stream

Process Steps	UNIT TESTING	REGRESSION TESTING	PERFORMANCE TESTING	DEPLOY STAGING	DEPLOY PRODUCTION
Value Add Time	5 MINUTES	5 DAYS	3 HOURS	1 HOUR	2 HOURS

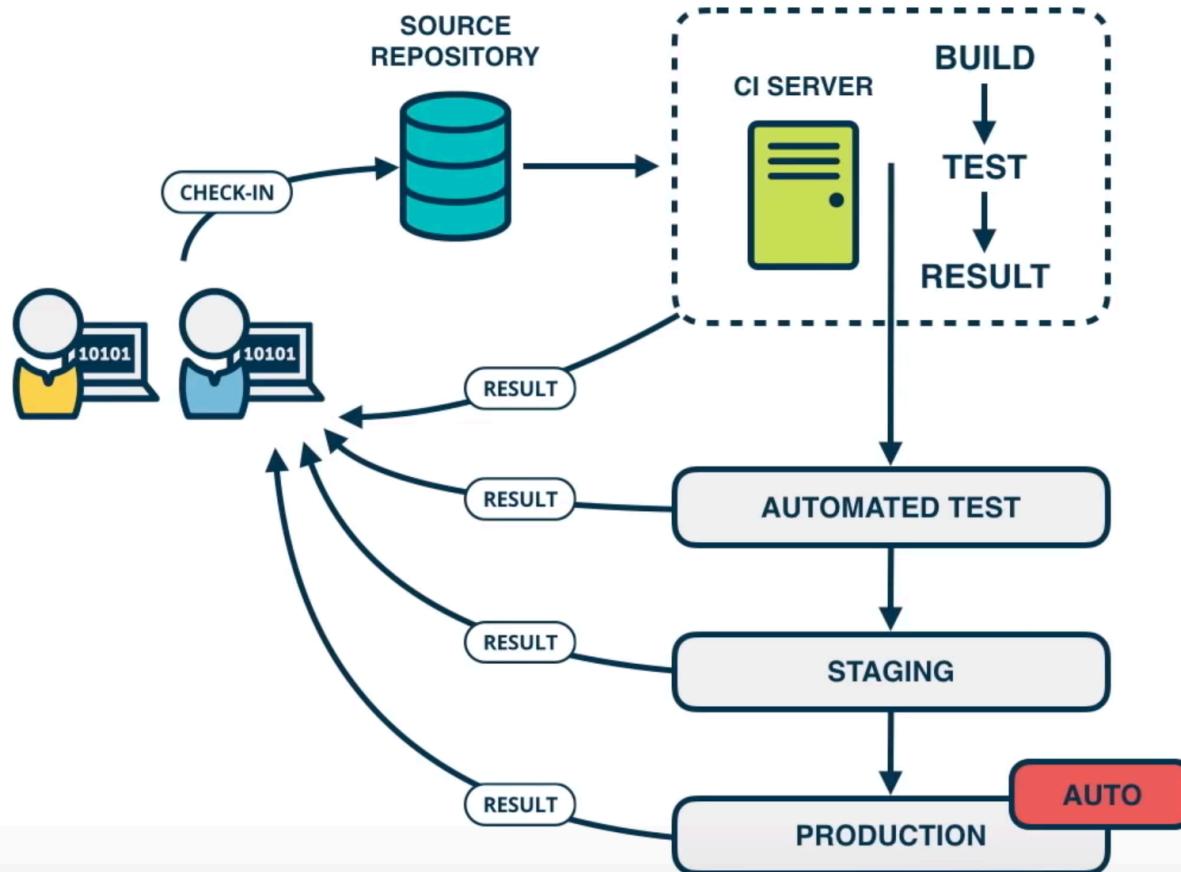
# Value Stream

Process Steps	UNIT TESTING	REGRESSION TESTING	PERFORMANCE TESTING	DEPLOY STAGING	DEPLOY PRODUCTION
Value Add Time	5 MINUTES	5 DAYS	3 HOURS	1 HOUR	2 HOURS
Lead Time	2 DAYS	3 WEEKS	3 DAYS	7 DAYS	

# Continuous Delivery



# Continuous Development

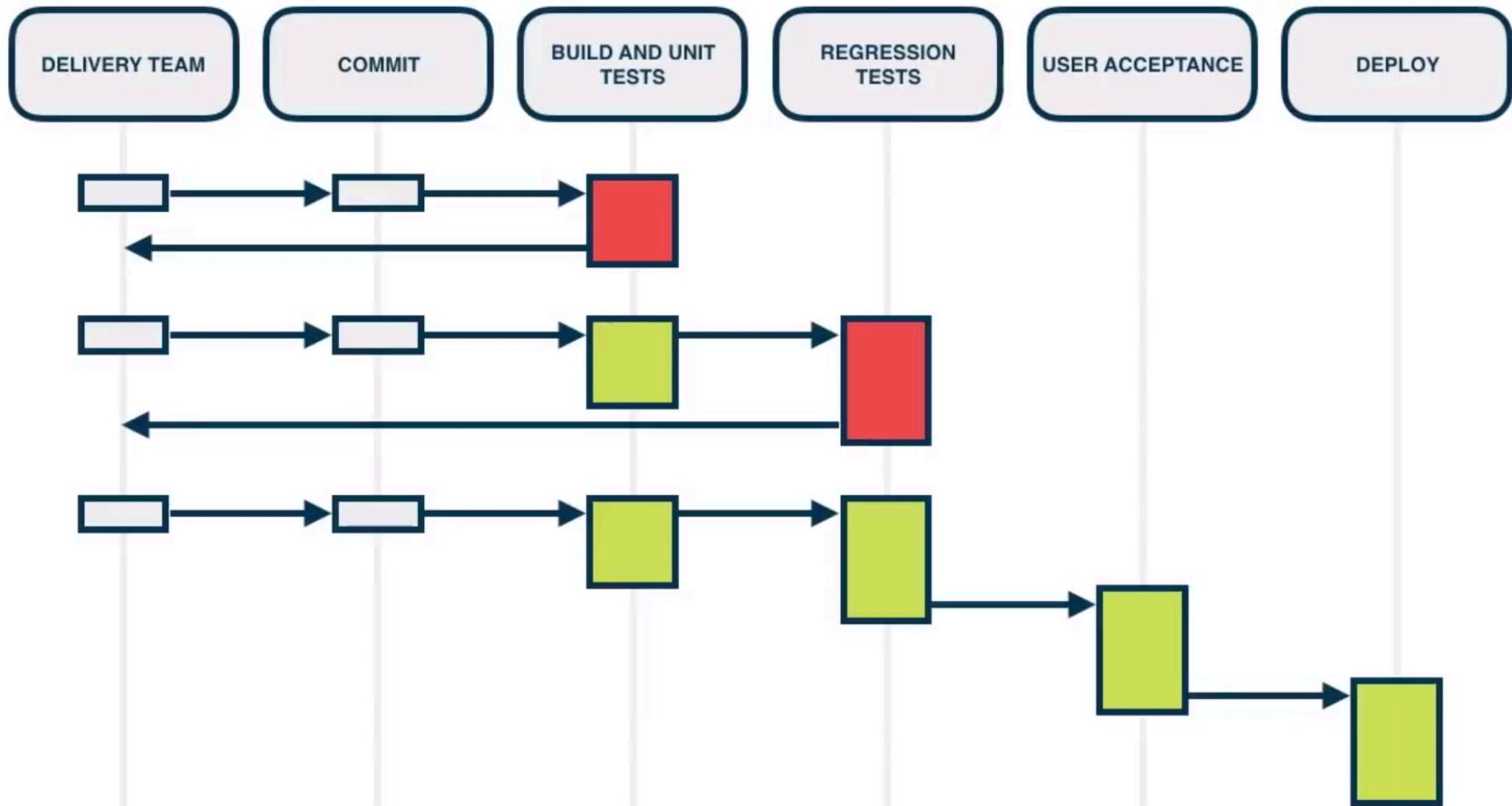


# DevOps

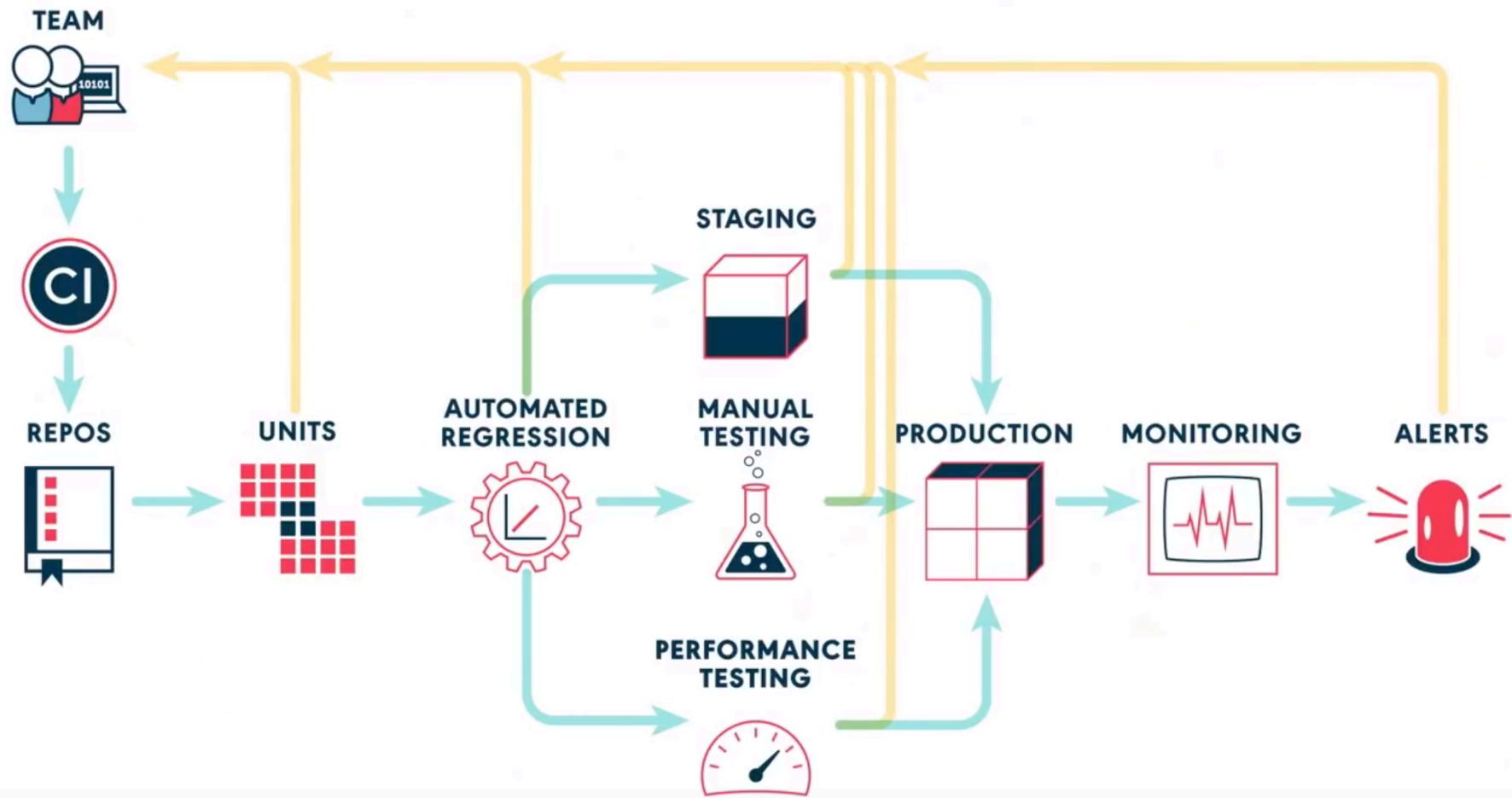


# Main Concepts

# Deployment Pipeline



# Continuous Delivery



# Mornitoring

- Build by Developers, run by developers
- Team notified when something wrong
- Have a plan for responding quickly
- Be thoughtful on mornitoring and alerts
- Keep a database of events

# Common Misconceptions

- We can't "do" DevOps
- CI/CD and DevOps are not the same things
- User testing still important

# Practices & Principles

# Repeatable Reliable Process

- Use same process everywhere
- Keep build logic out of tools
- Use scripts that called by tools

# Automate Everything

- Testing
- Provisioning
- Deployment

# Version Control Everything

- Source Code
- Configurations
- Database Scripts
- Documentation
- Infrastructure

# Eat the frog

- Do hard things first
- Release more often

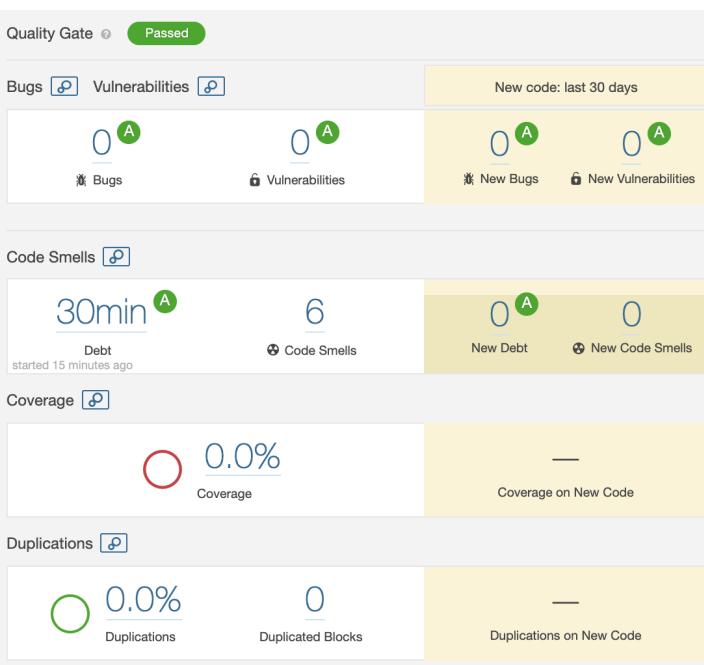
# Done means Released

- It not done if it not live
- Don-t confused deployed with released
- Consider “feature toggle switches”
- Release are business decision

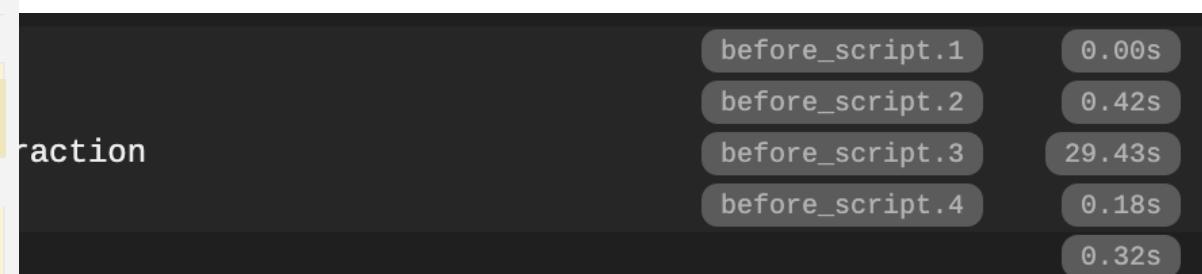
# Everyone is Responsible

- “It work on me” is not valid
- Culture change can be hardest
- Management support is vital
- Place metrics on goals

# Practice Time



Technical Debt 30min 



Thierry Bergmann and contributors.

4 / 4 (100%)

632

633 Time: 221 ms, Memory: 16.00MB

634

635 OK (4 tests, 8 assertions)

636 The command "vendor/bin/phpunit" exited with 0.

637

638

639

640 Done. Your build exited with 0.