

Bordeaux, 22-24 October 2019



ABRACADABRA, PULLING TEST ENVIRONMENTS OUT OF THE HAT.

Presented by Sergio Beltran

Bordeaux, 22-24 October 2019



- **INTRODUCTION**
- **TOOLS PIPELINES**
- **METRICS**
- **OBSTACLES VS TRICKS**

ABOUT ME

Personal

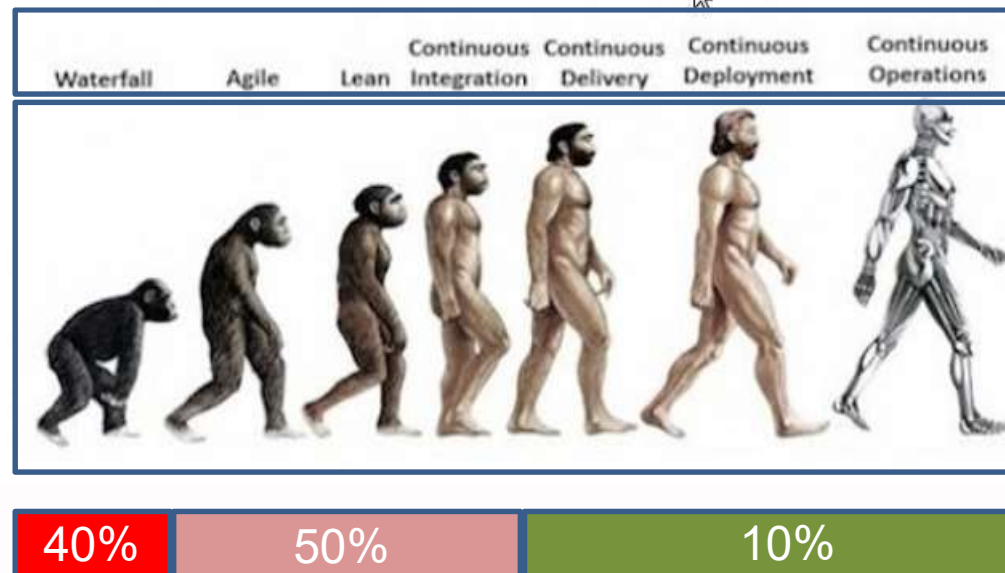
CAREER



MAGIC

Is the power of apparently influencing events by using mysterious or supernatural forces.

DevOps Movement



10 years.

4 Millions of
Years.

DEVOPS/DIGITAL TRANSFORMATION: A PROJECT ITSELF



Normalization



Automation



Changes

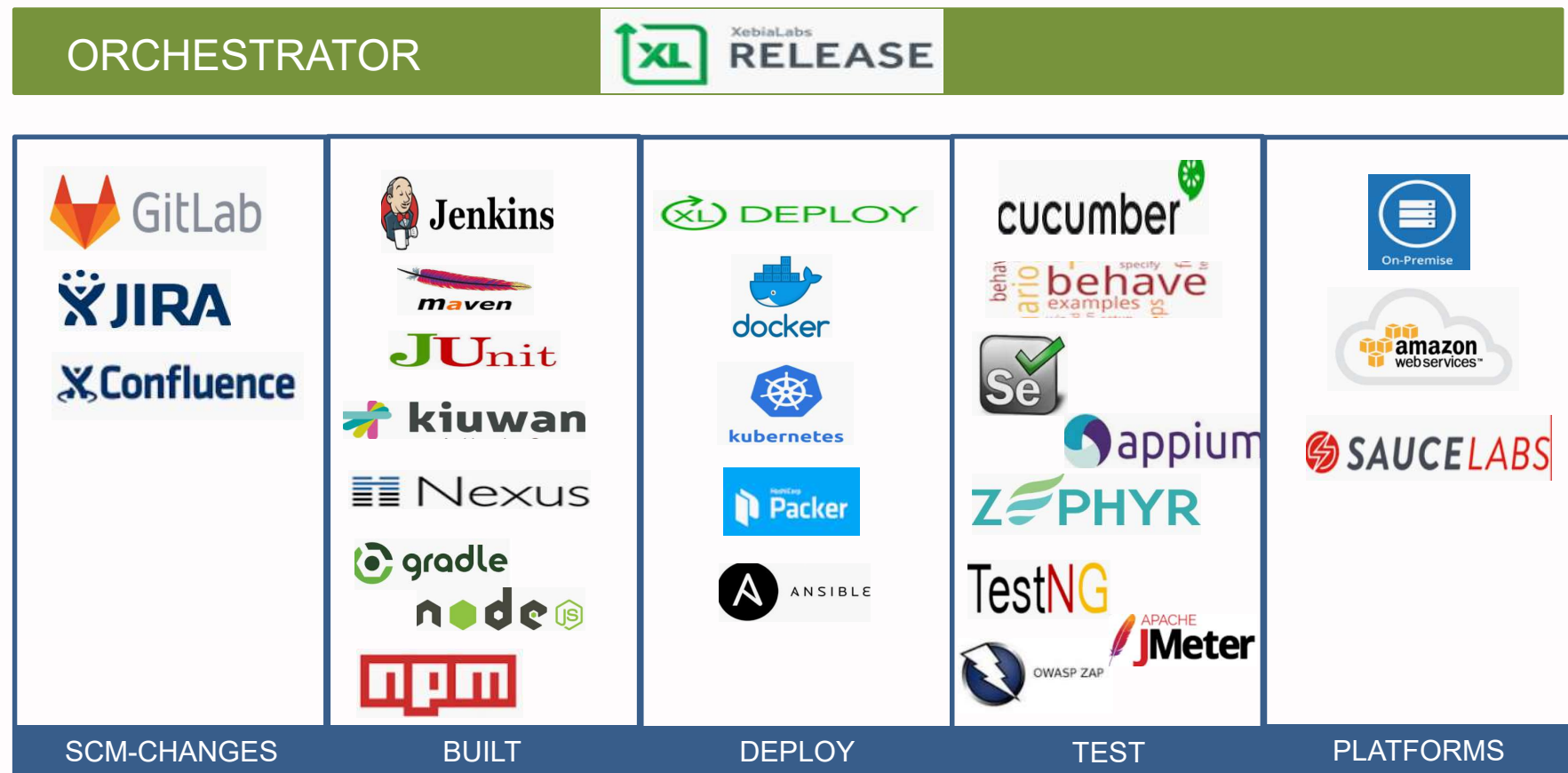


Technology

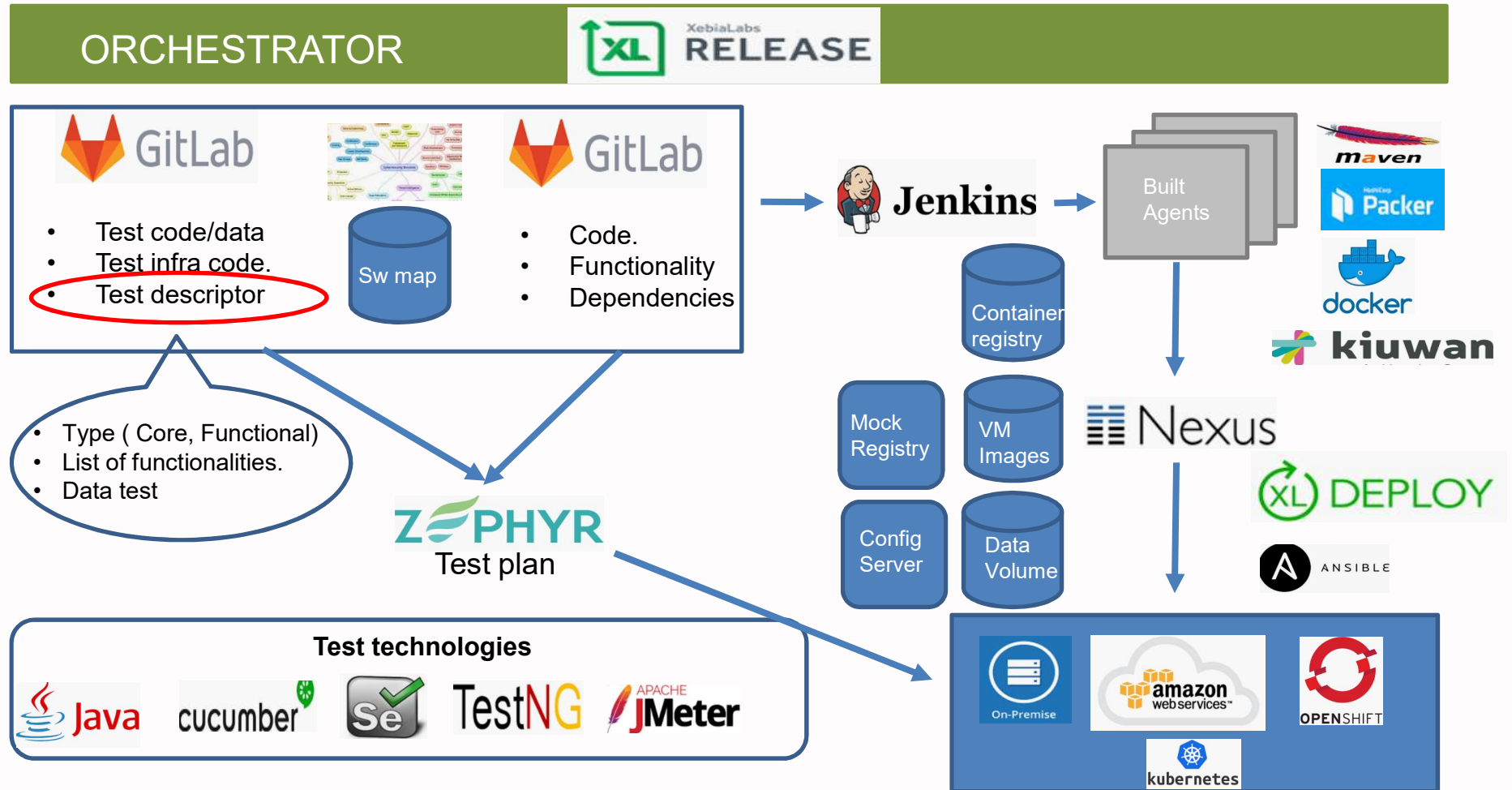


**Mentality
Collaboration**

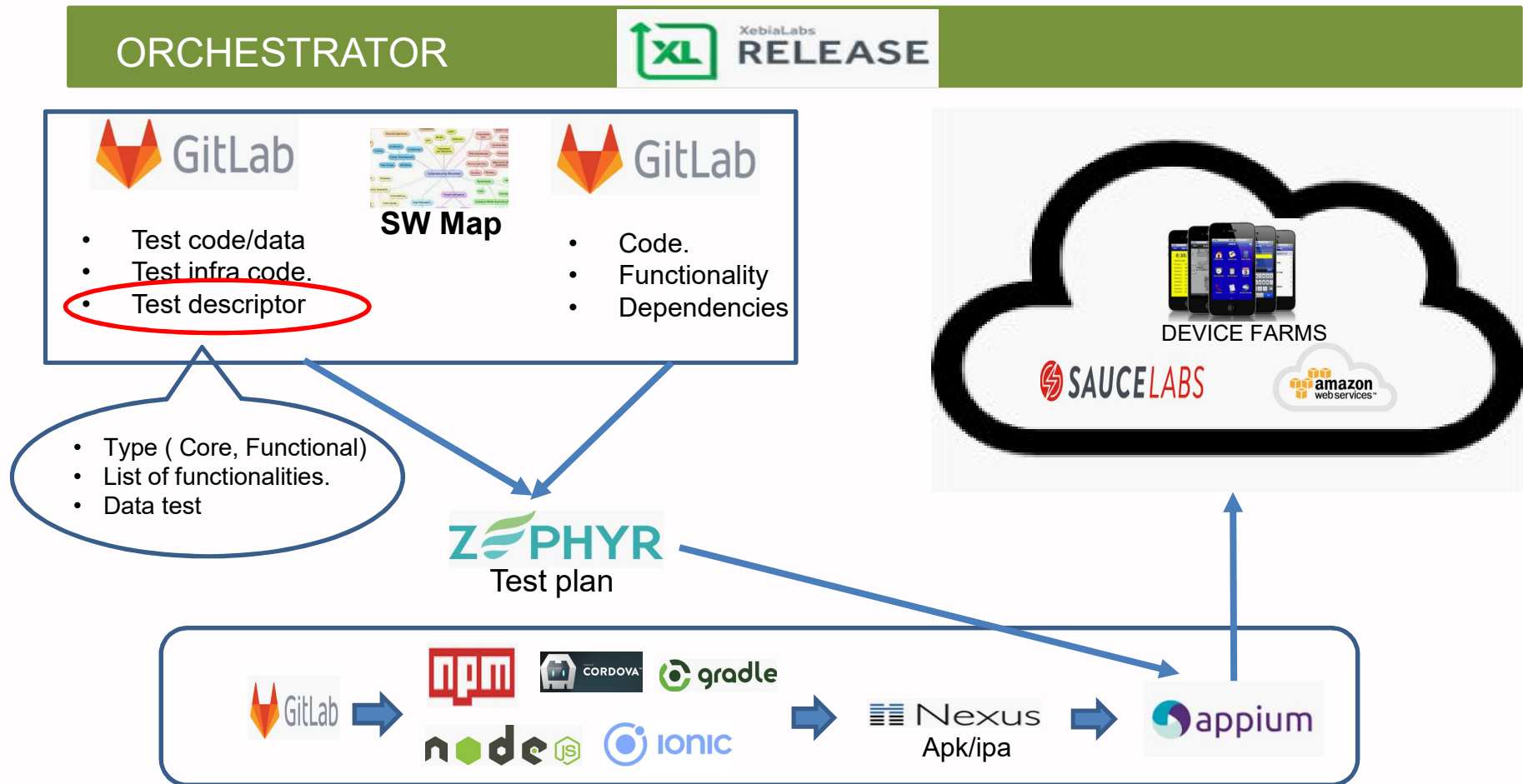
OUR JOURNEY: TOOLS



TESTING ENVIRONMENTS:



MOBILE TESTING:



PROMOTE ENVIRONMENTS (risk management):

ORCHESTRATOR

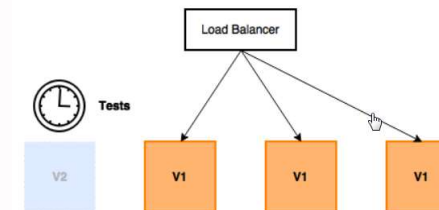


QA GATES for PRE/PRO

- 85% unit coverage, 80% functional coverage automated.
- 0 blocker issues in static code analysis.
- No critical issues in performance (soak, time response, degradation from previous).
- No critical security vulnerabilities.
- All dependencies have to be installed/planned.
- No mocks allowed.

RELEASES

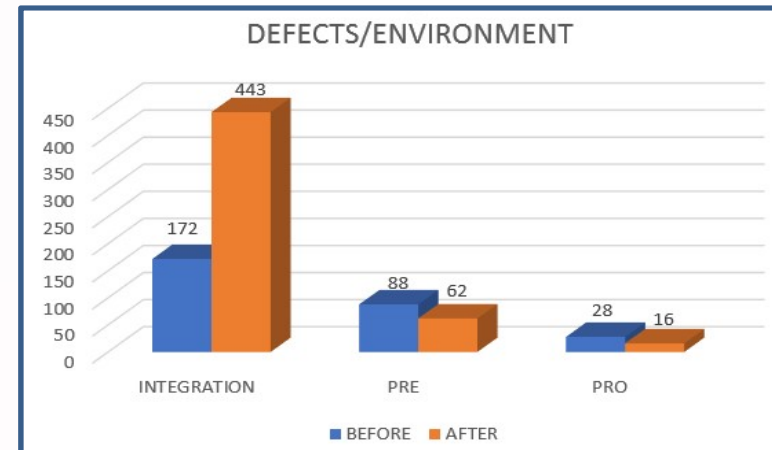
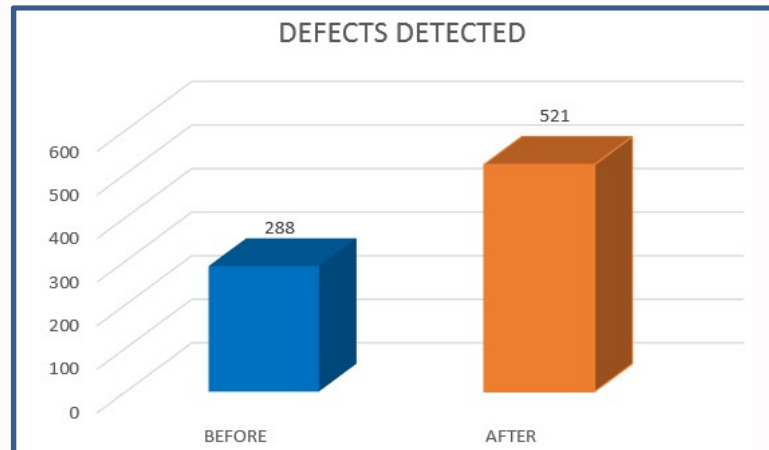
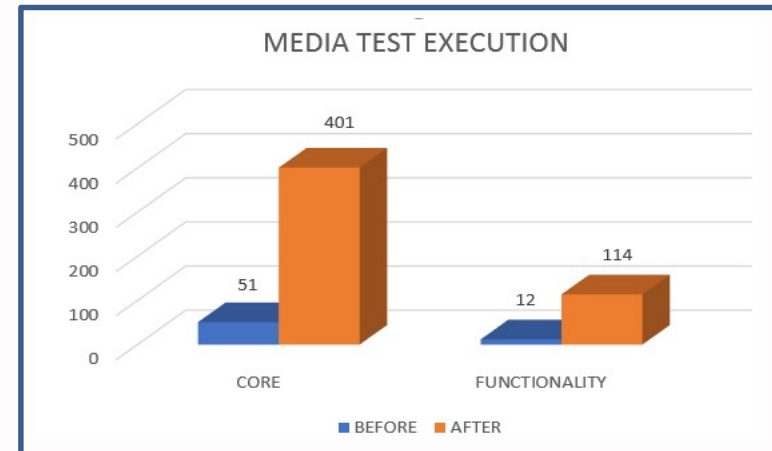
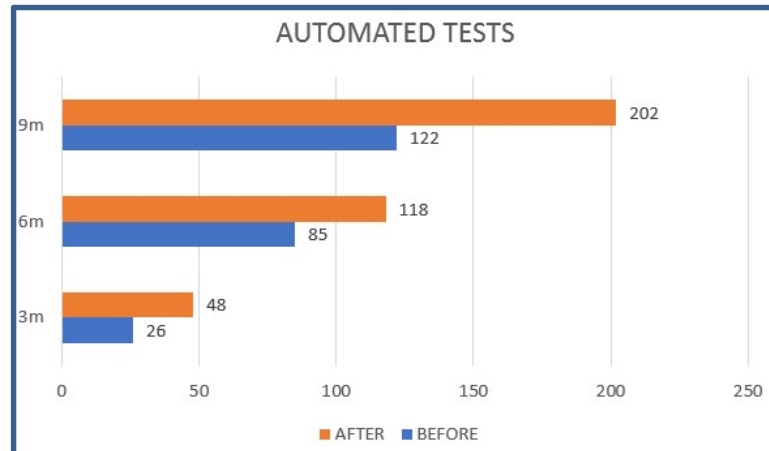
- Train releases for INT environments.
- Rolling upgrades



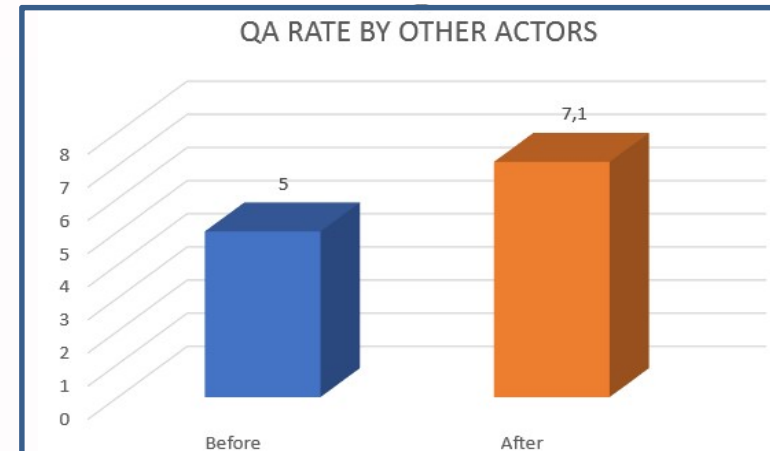
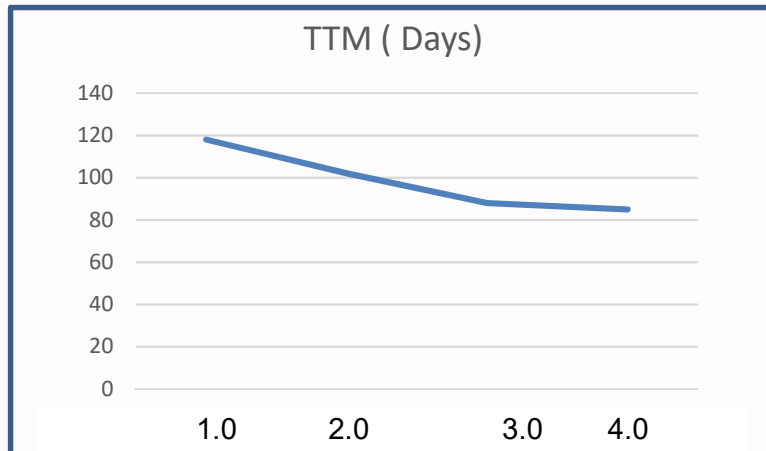
ENVIRONMENTS

- All environments must have the same configuration (firewalls, proxy rules, permissions..).

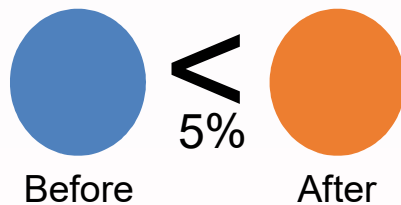
Comparative Metrics:



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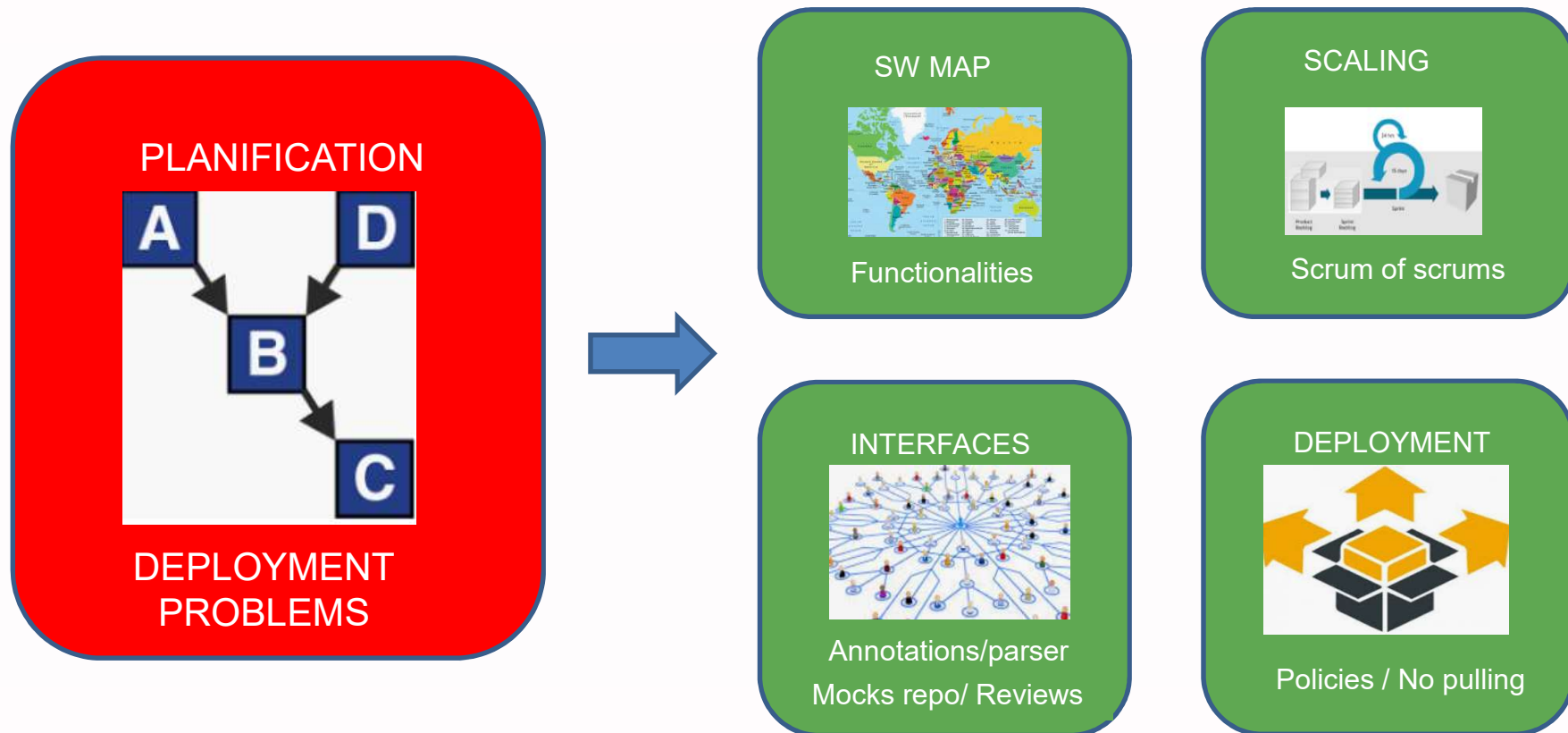


INFRA TEST COST

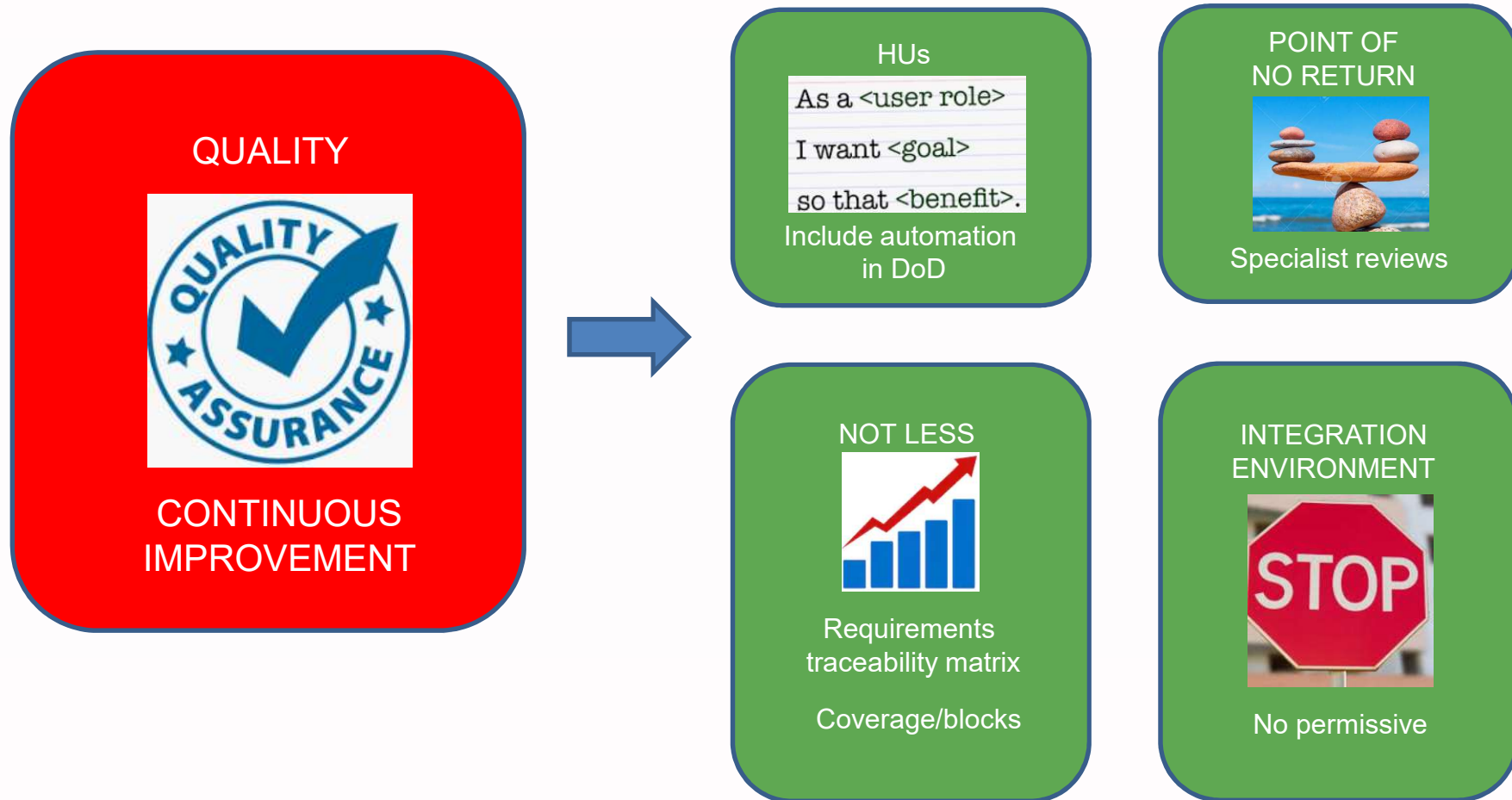


- ✓ More automated tests.
- ✓ More executions.
- ✓ More defects found.
- ✓ No blocked time by environment.
- ✓ Independent environments.
- ✓ Less administration.

1. Dependencies between products.



2. Increase quality in each sprint.



THANK YOU !