ANDREAS PRINS

TESTING: THE CONTINUOUS CHANGING PRACTICE
HAVE YOU COVERED ALL LEVELS OF CONTINUOUS TESTING?

TESTING THE CONTINUOUS CHANGING PRACTICE

Part 1
Big picture
testing
influencers

Responsive enterprise

Lean (IT)
the external factor

IT Performance

Part 2
Testing
transformation

The Impact of
simplification

The continuous
Shift Left

The opportunities of
stretch right

Endless automation

A JOURNEY IN SOFTWARE DELIVERY

- 6,5 of test consultancy

- Lean Consultant

- Agile/DevOps Coach

- Team manager 4 DevOps teams
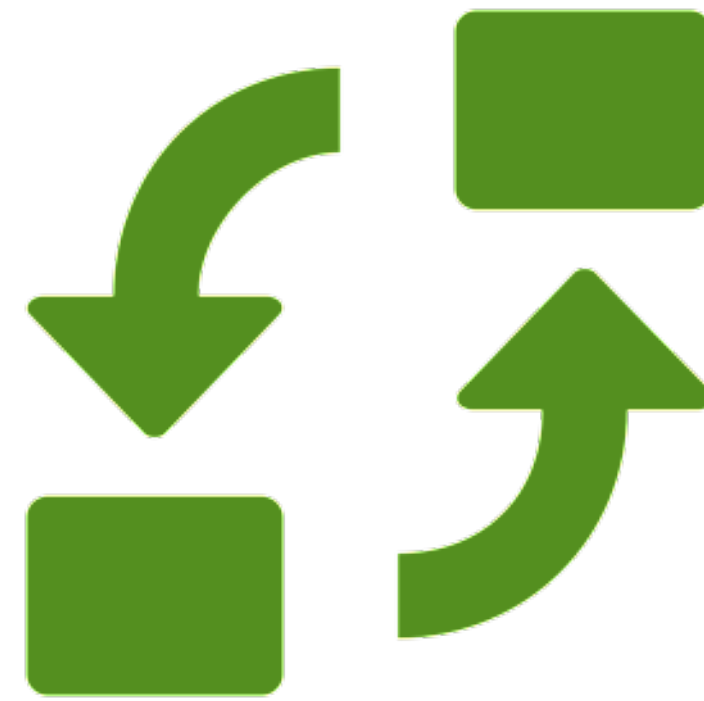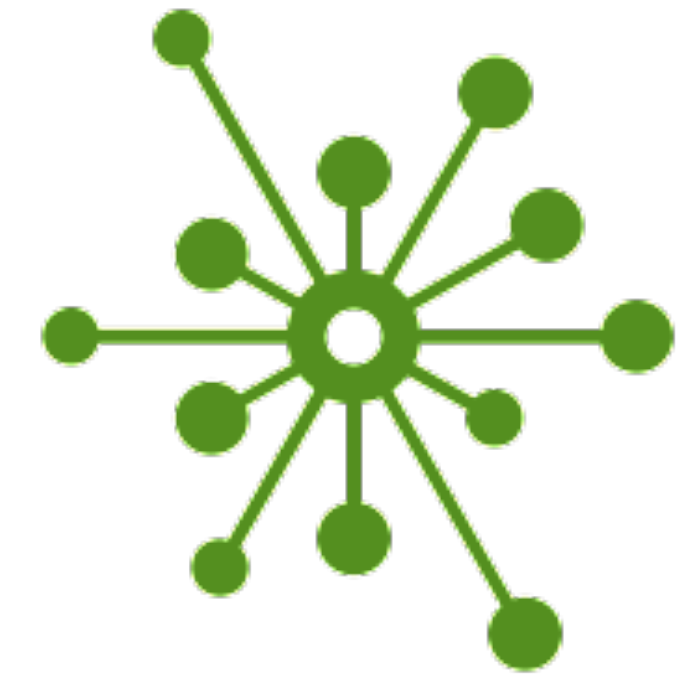

- VP Product Strategy

- Director of Engineering

Customer
Collaboration

Organizational
Simplicity

Data Driven
Experiments

THE TESTING DISCIPLINE IS IMPACTED BY THE LEAN PRACTICES AND STRIVE FOR PERFECTION

Lean products
and processes

IT landscape
Simplicity

Value Stream
Management

AUTOMATION IS KEY TO ACCELERATE DELIVERY AND INCREASE OPERATIONAL PERFORMANCE

AUTOMATION AND INTEGRATION BY PERFORMANCE PROFILE

	Low	Medium	High	Elite
Automated build	64%	81%	91%	92%
Automated unit tests	57%	66%	84%	87%
Automated acceptance tests	28%	38%	48%	58%
Automated performance tests	18%	23%	18%	28%
Automated security tests	15%	28%	25%	31%
Automated provisioning and deployment to testing environments	39%	54%	68%	72%
Automated deployment to production	17%	38%	60%	69%
Integration with chatbots / Slack	29%	33%	24%	69%
Integration with production monitoring and observability tools	13%	23%	41%	57%
None of the above	9%	14%	5%	4%

With Automated build as well established practice, teams can move on.

Automated testing has a big difference per practice and a large distribution from Low to Elite performers.

The Quality Mindset needs to utilise understanding of the systems in production

DORA report: Accelerate: State of DevpOps 2019

PART 2

TESTING
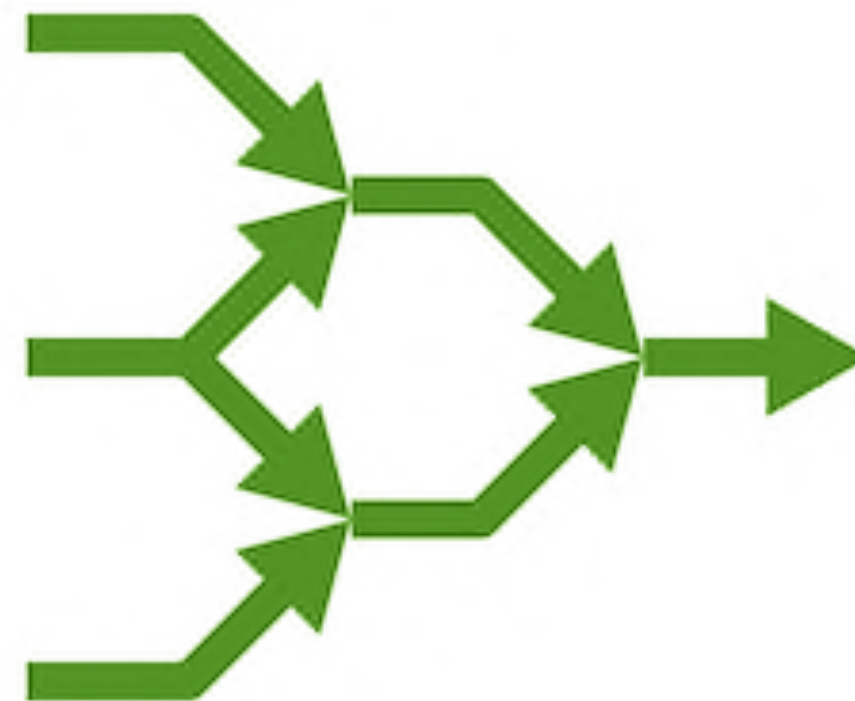TRANSFORMATION

SIMPLIFICATION AND THE IMPACT ON TESTING

Lean products
and processes

IT landscape
Simplicity

Value Stream
Management

Simplification and
impact on testing

1

Limitation of
combinations

2
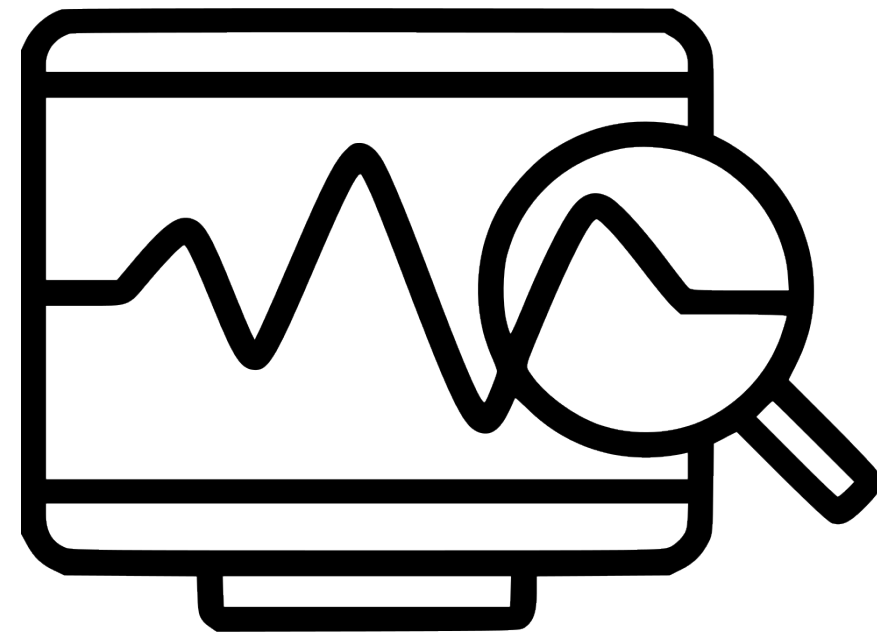
Less complexity in
end-2-end testing

3

Flow of activities

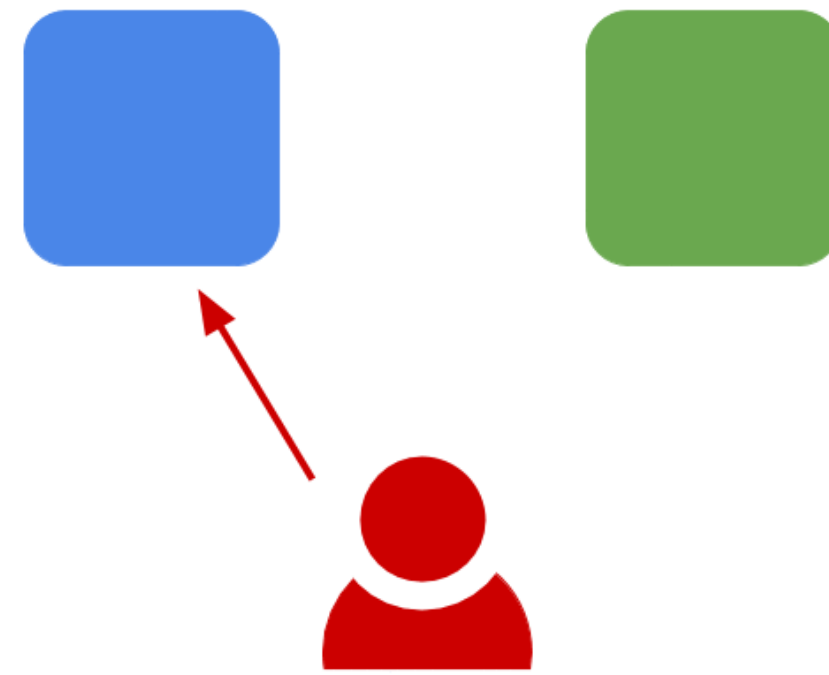# THE ACCELERATION OF THE SHIFT-LEFT & THE MISSING LINK

	Highly Automated?	Collaborative?	Meaningful KPIs?	Feedback Loop?
Quality	✔	✔	✔	✔
Security	✔	✔	✔	✔
Monitoring	✔	✔	✔	✔
Cost	?	?	?	?

OPPORTUNITIES OF THE STRETCH LEFT

Monitoring

Modern
Deployment
Patterns

Observability

ENDLESS AUTOMATION LEADS TO CONTINUOUS EXPLORATION

THANK YOU

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