



Continuous Testing: A Lifecycle Approach

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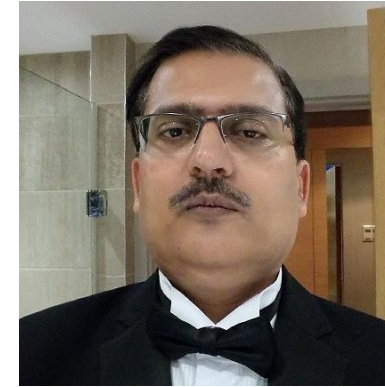
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Agenda

- What?
- A Lifecycle approach
- Why?
- Get in shape for CT
- Manual or Automated?
- Measure success



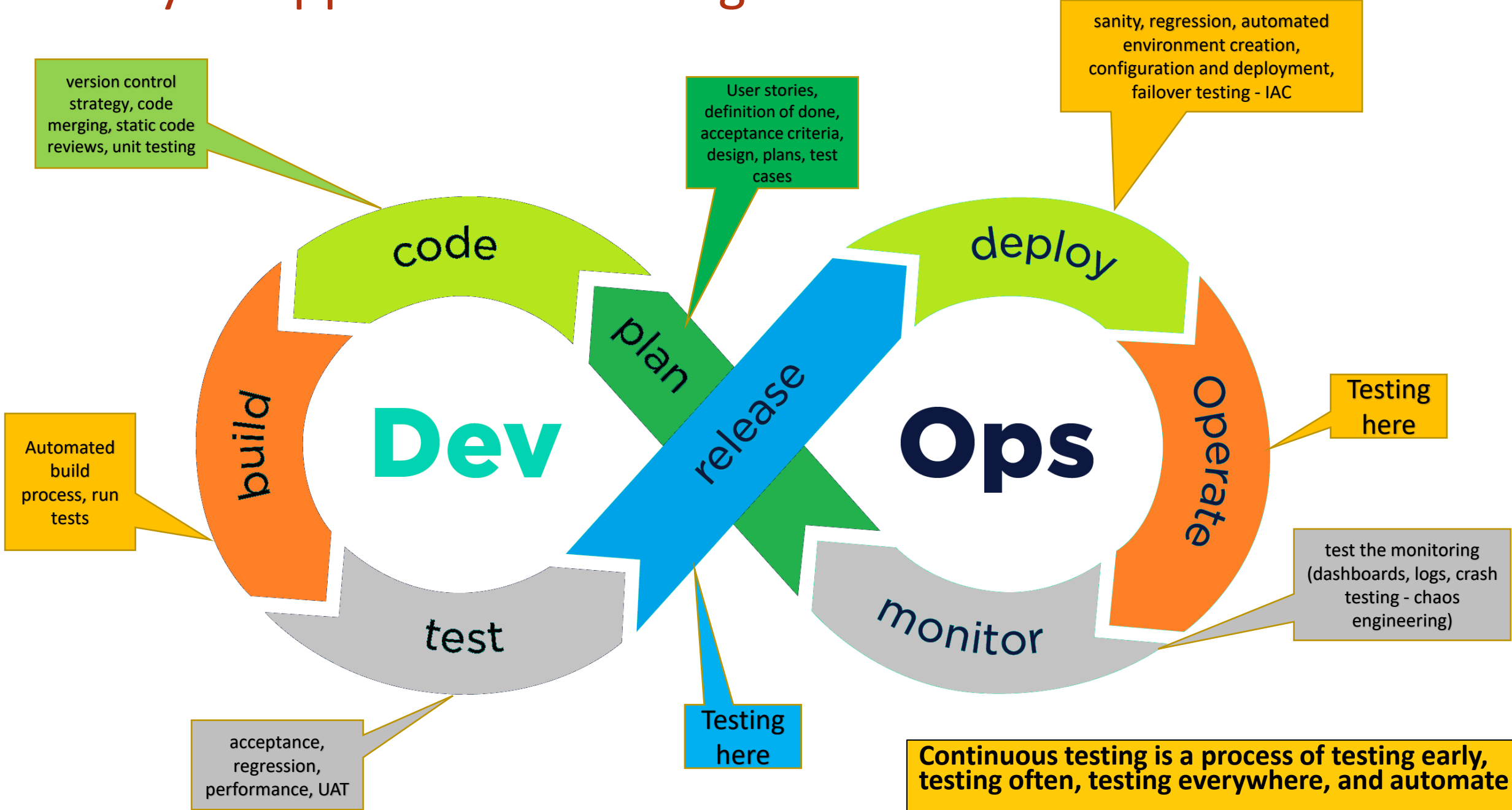
Satyan Prakash

- Software Delivery leader with 25+ year experience encompassing global application delivery, program / portfolio management, solution design and technology consulting
- Proven track record in successfully leading complex and global delivery teams using Agile and DevOps
- GSA UK 2018/2019 Professional Awards Finalist
- DevOps Institute Ambassador

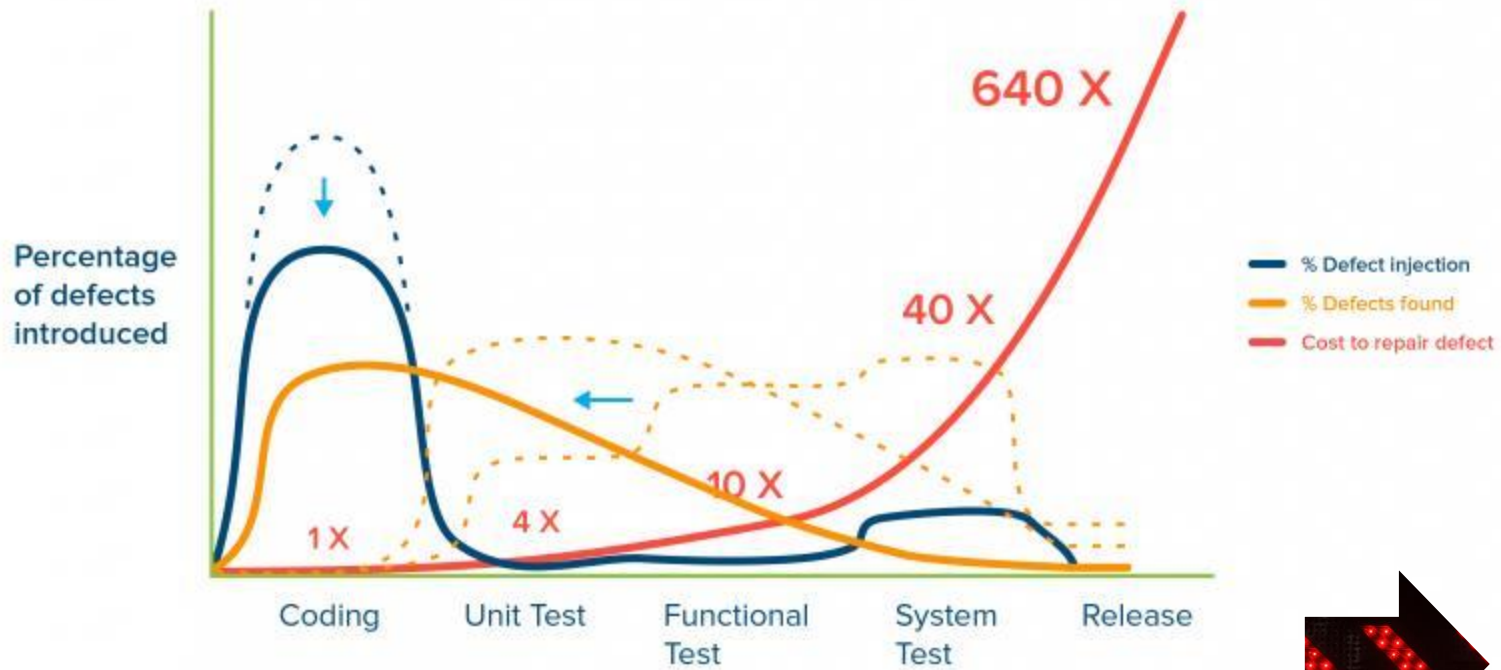
What?



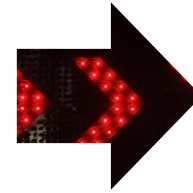
A Lifecycle approach for testing



Why?



Jones, Capers. *Applied Software Measurement: Global Analysis of Productivity and Quality*.



Enables Shift Left

- Fix more bugs in cheaper phases

Agile/DevOps
– Quick Iterations

- Less defect fixing, more development

Distributed
Complex
Architecture

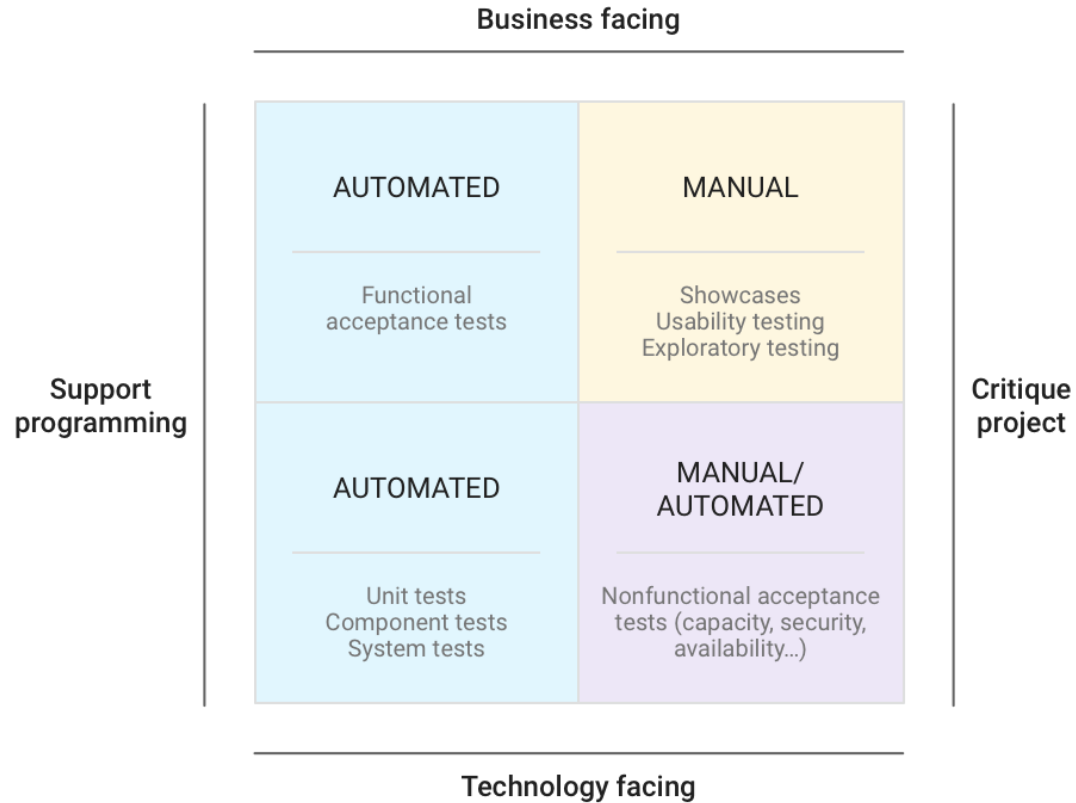
- Complex testing

Get in shape for CT

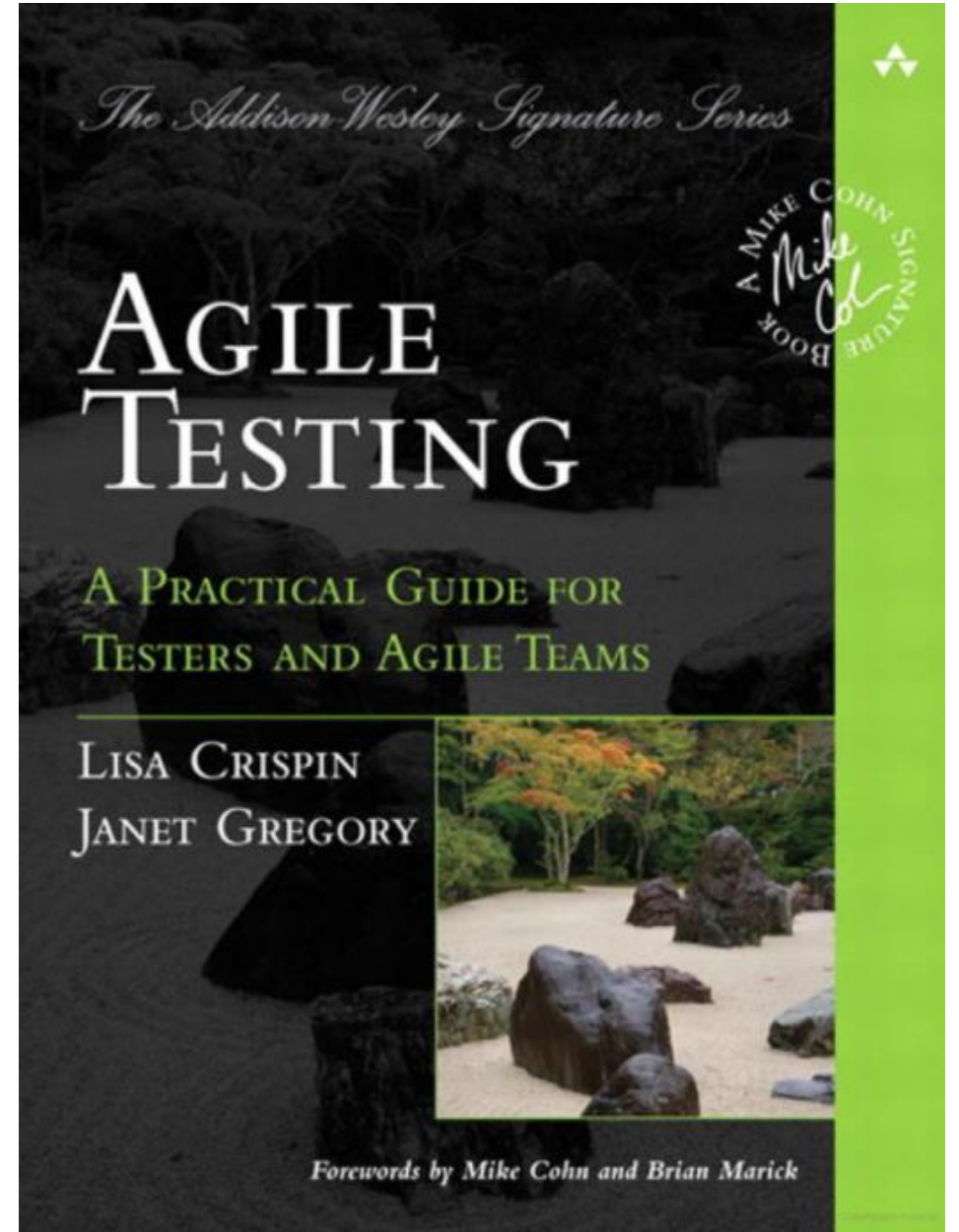
- Testers to work alongside developers
- Retain useful manual test activities such as exploratory testing, usability testing, and acceptance testing
- Keep Automated Test suites functional all the time
- Avoid hard to maintain test suites
- Continuously review and improve your test suites
- Ordering the tests: faster-running unit tests -> slower-running acceptance tests -> manual testing
- Test driven development



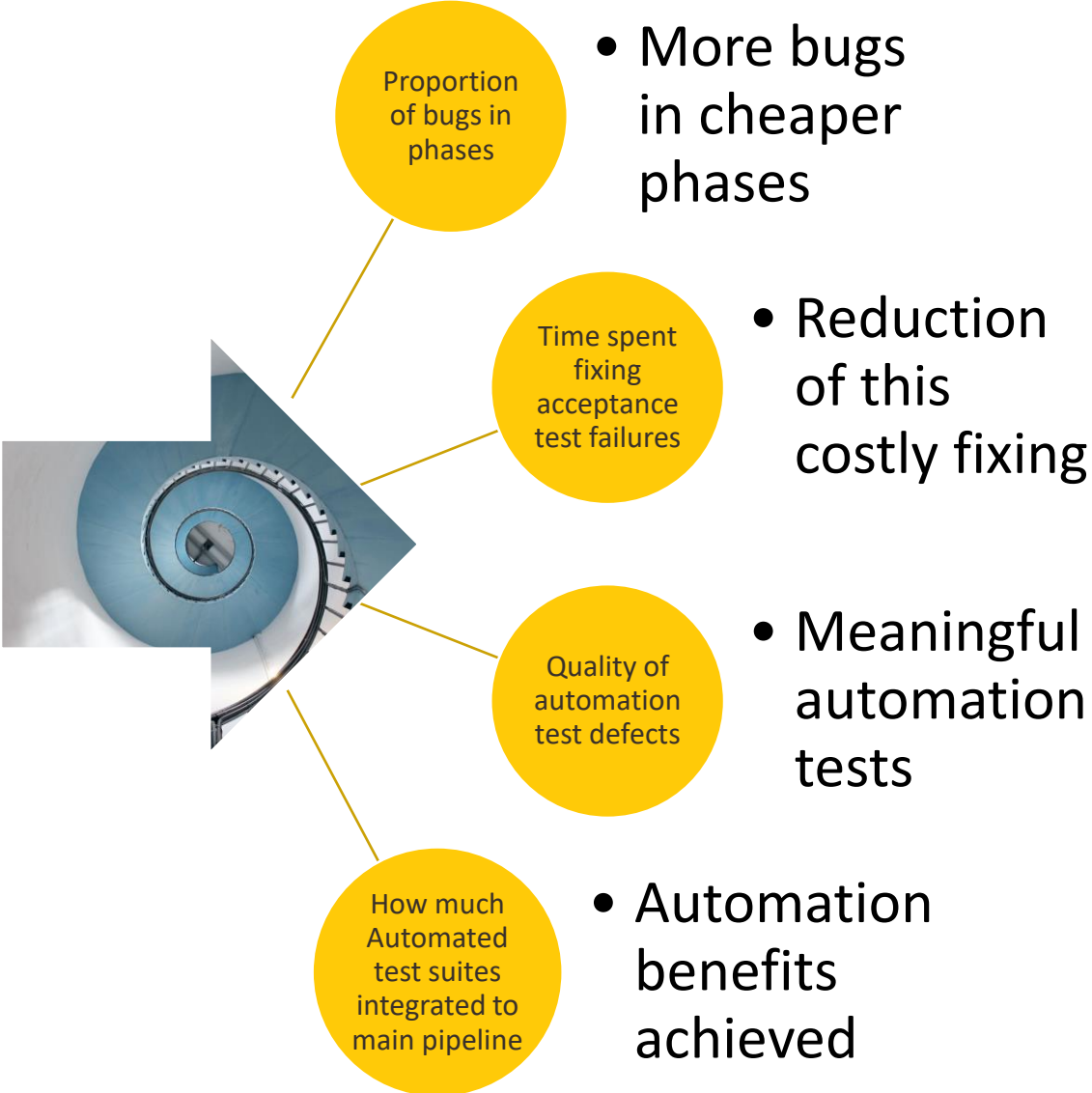
Manual or Automated?



Diagram, initially created by Brian Marick and later referenced in the book Agile Testing: A Practical Guide for Testers and Agile Teams



Measure success



THANK YOU

Meet me in the Network
Chat Lounge for questions

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