Fast Facts

FOUNDED IN
1993
US HEADQUARTERED PUBLIC COMPANY (NYSE:EPAM)

FY 2017 REVENUE
$1.45B
Q1 FY 2018 REVENUE
$424.1M

2018 REVENUE GUIDANCE
$1.79B

20+%
YOY CONSTANT CURRENCY ORGANIC GROWTH

23,700+ Engineers, Designers and Consultants

VERTICAL FOCUS*

24%	22%	19%	18%	8%	9%
FINANCIAL SERVICES	TRAVEL & CONSUMER	SOFTWARE & HI-TECH	MEDIA & ENTERTAINMENT	LIFE SCIENCES & HEALTHCARE	EMERGING

* Data represents Q1 FY 2018 distribution

REVENUE BY GEOGRAPHY*

57%	36%	5%	2%
NORTH AMERICA	EUROPE	CIS	APAC

25+ COUNTRIES

SERVICE MIX

SOFTWARE ENGINEERING & PRODUCT/PLATFORM DEVELOPMENT
QA AND TEST AUTOMATION
MANAGED SERVICES
INFRASTRUCTURE & LICENSING

DIGITAL BUSINESS | PRODUCT ENGINEERING
MANAGED SERVICES | CONSULTING

‹epam›

Epam's Global Testing Practice

25+
Years of Testing Experience

6,000
Dedicated Full Time Professionals

2,100
Dedicated Test Automation Engineers

20+
Locations across Americas, EMEA, APAC

CMMI 5, ISO 9001
ISAE 3402, ISO 27001

QA CONSULTING
- Test Strategy
- QA Process assessment,
- Alignment with DevOps, CI/CD transformation
- Agile adoption

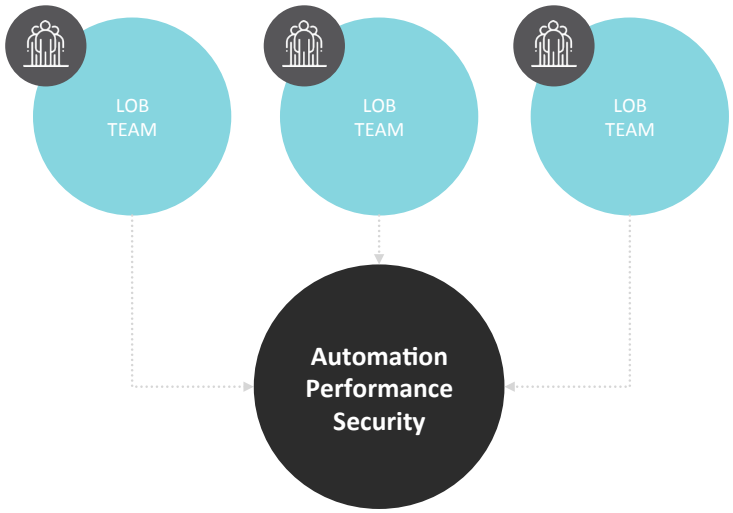
FUNCTIONAL TESTING
- Functional, System Integration and User acceptance testing
- I18n / L10n testing
- Requirements testing
- Test results reports and dashboards for visibility into the project status

TEST AUTOMATION
- Custom Test Automation Frameworks and Solutions
- Test Automation in: APIs & Web Services, UI, Mobile & Unit testing, etc.

SPECIALIZED TESTING
- Performance management
- Mobile, Security, BI and Data integration testing/ETL testing
- Compatibility, Interoperability testing
- Cloud, SOA / WS testing, Service Virtualization
- Usability/ Accessibility testing

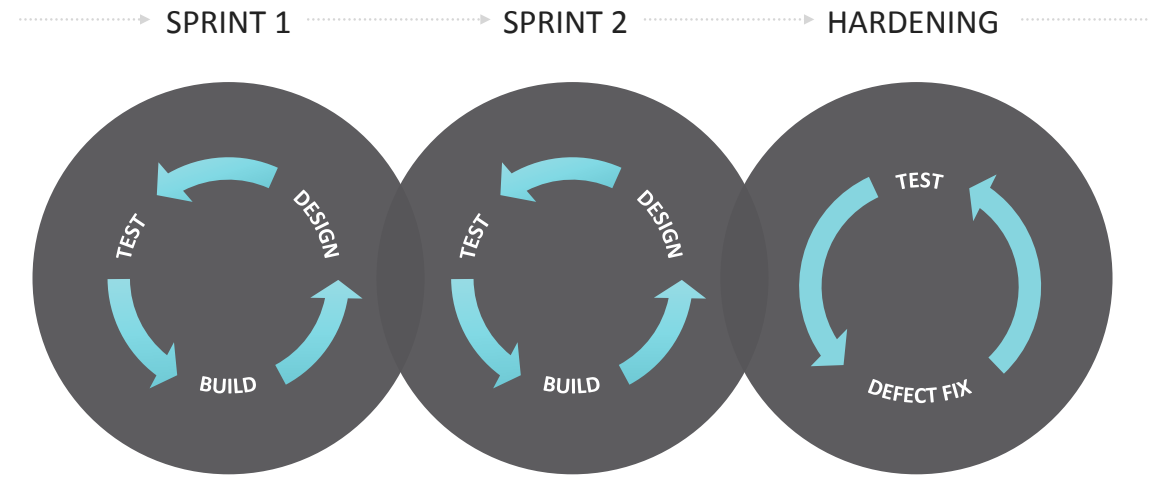
<epam>

Traditional QA Organization



<epam>

Agile?

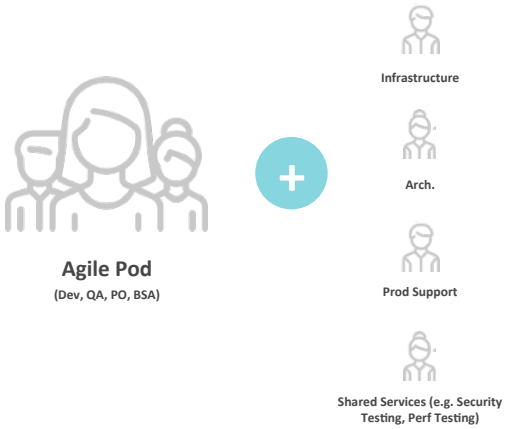


WHAT IS

DEVOPS?

DevOps is a Philosophy

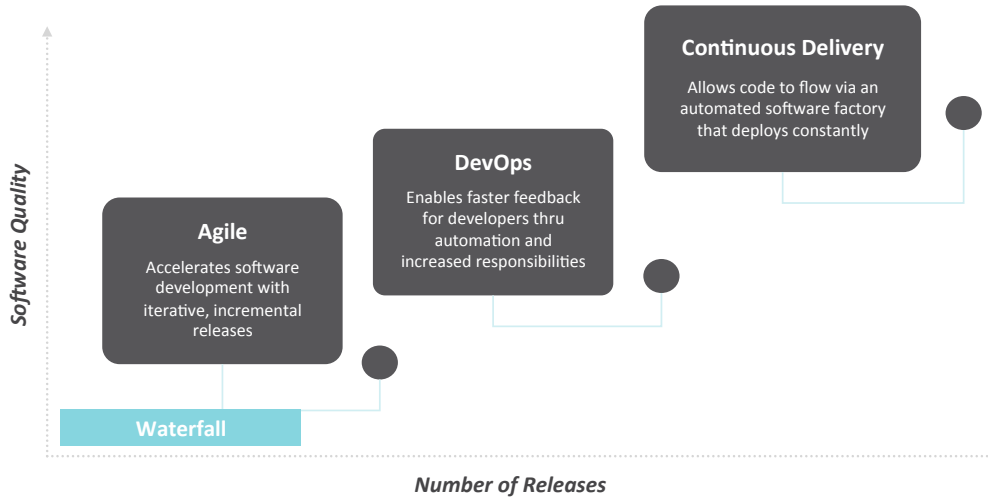
DELIVER HIGH QUALITY WORKING SOFTWARE FASTER



DevOps is a philosophy where teams are accountable for everything required to get their code developed, tested and deployed to production, while shared service teams provide the automation and tools to enable them.

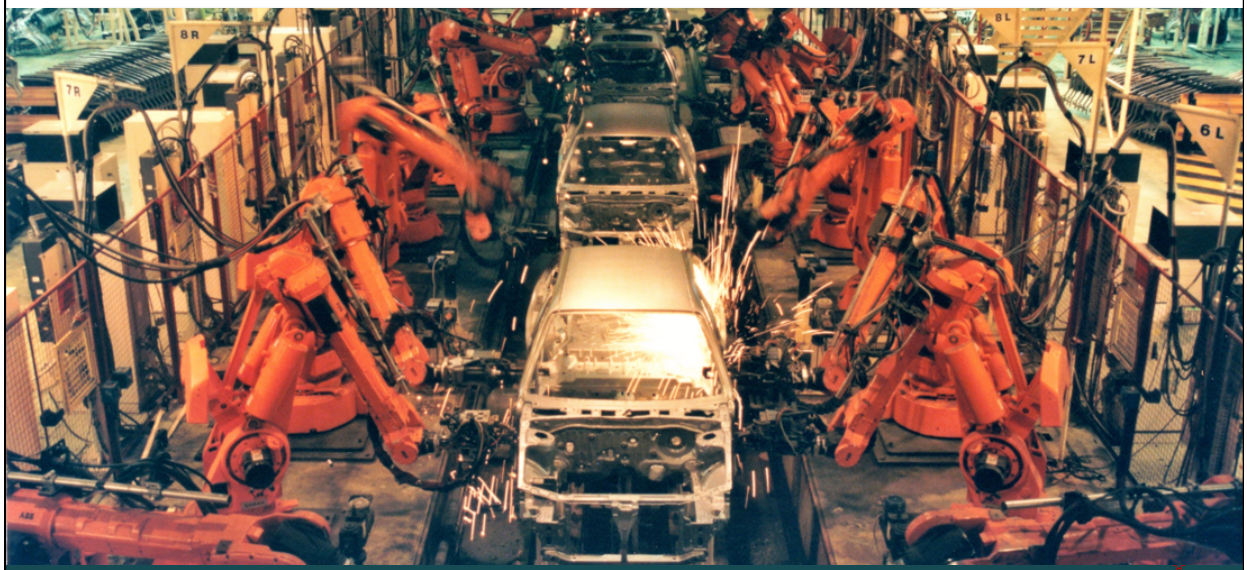
"You Build it You Own it"

DevOps is the Next Part of Your Agile Journey



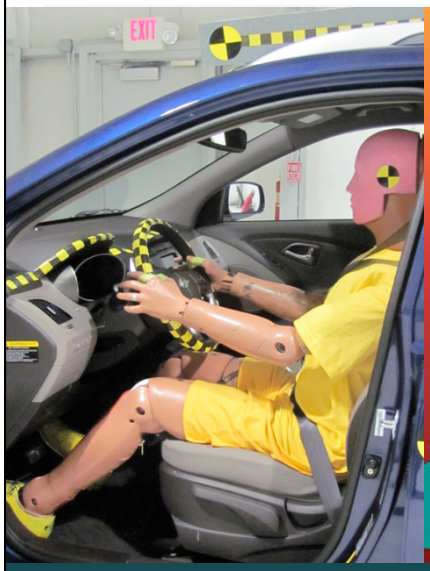
What is DevOps?

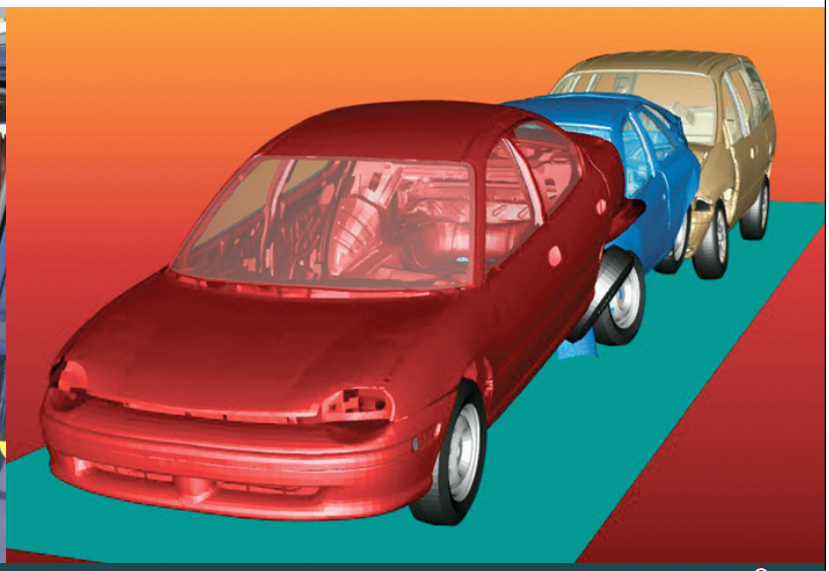
Automate Everything



Fast Feedback

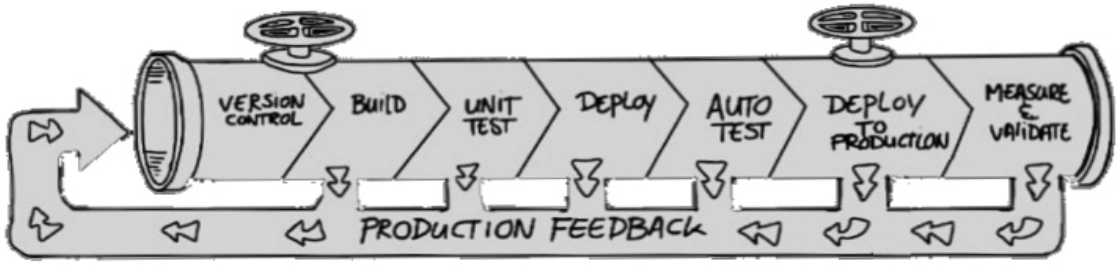
Remove Constraints



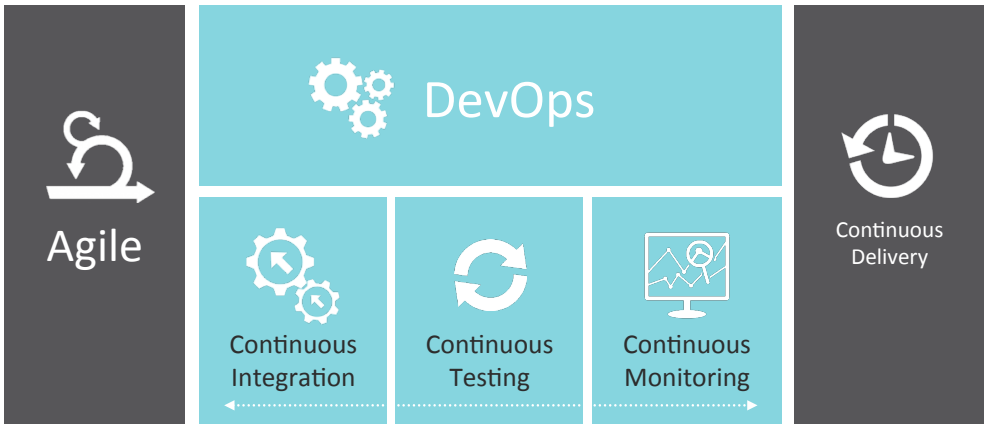


Collaboration Early and Often

Focus on Flow

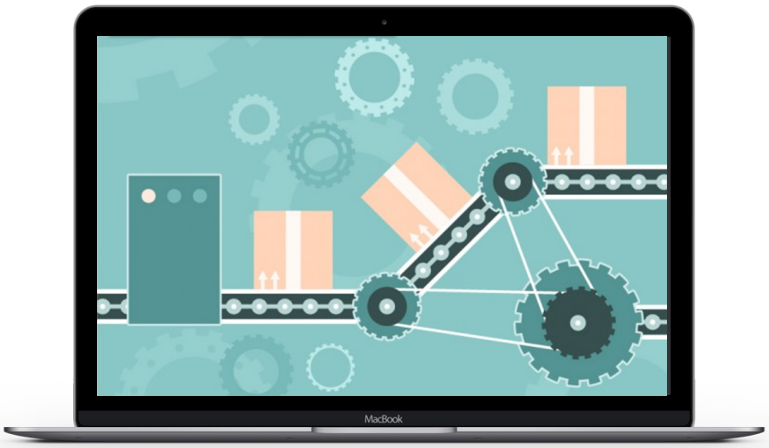


Agile + DevOps



WHAT IS CONTINUOUS TESTING?

Pipelines



Real-Time Automation

BEHAVIOR-DRIVEN DEVELOPMENT (BDD)

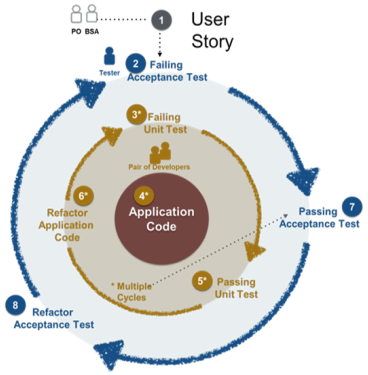
- Team Focused
- Stress on Stories
- Add a Test
- Run all Tests
- Write Code
- Refactor Until Added Test Passes

TEST-DRIVEN DEVELOPMENT (TDD)

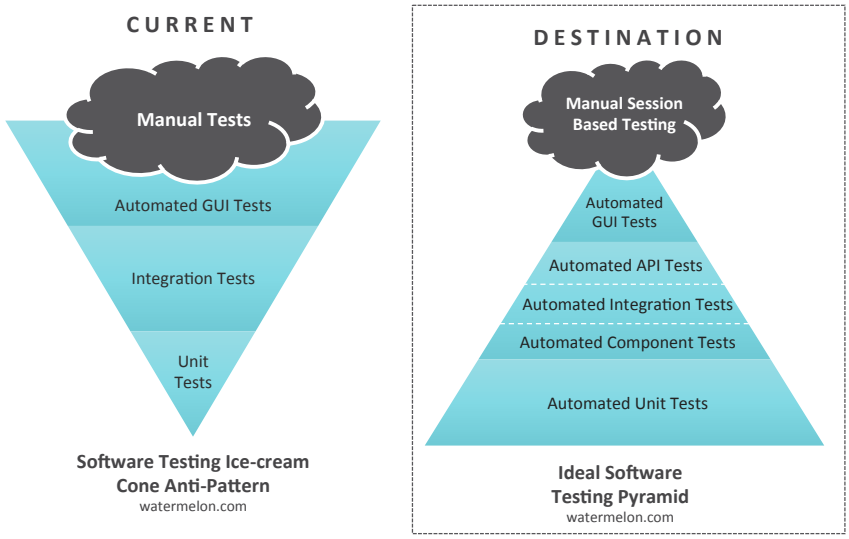
- Developer Focused
- Closer to Unit Level
- Add a Test
- Run all Tests
- Write Code
- Refactor Until Added Test Passes

ACCEPTANCE TEST-DRIVEN DEVELOPMENT (ATDD)

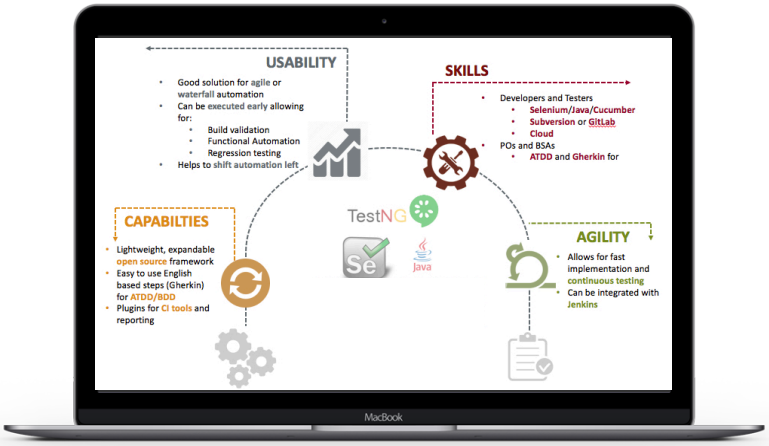
- Team Focused
- Stress on Acceptance Criteria
- Add a Test
- Run all Tests
- Write Code
- Refactor Until Added Test Passes



Testing Approach



Open Source Tools



Environments

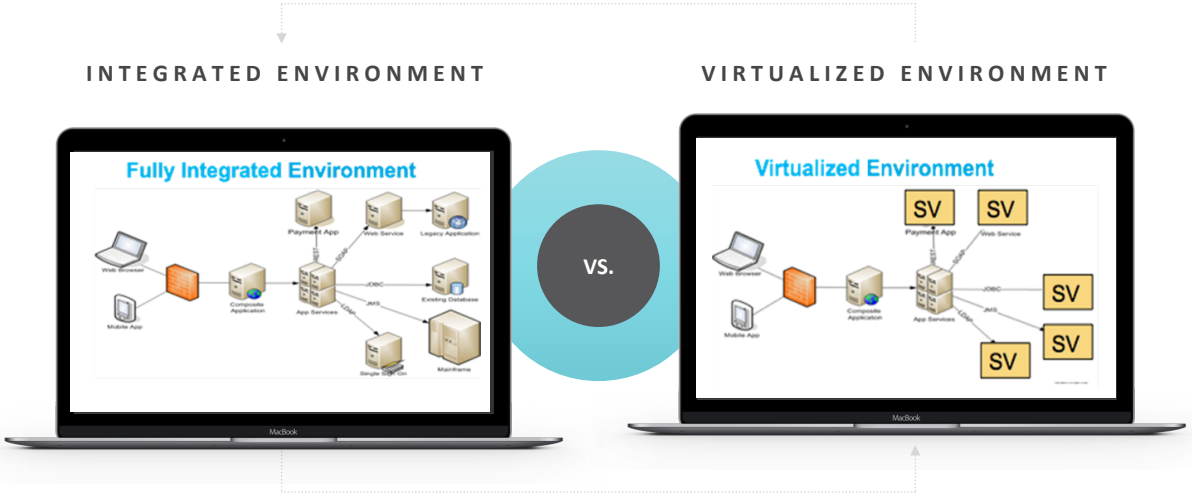
Test Data Management

SYNTHETIC DATA
Building the right data

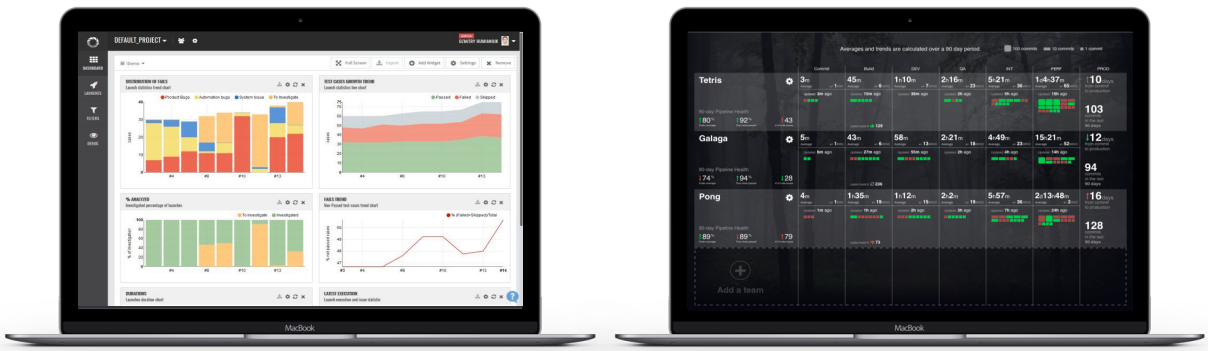
EFFICIENT DATA
Getting it right the first time

PRODUCTION DATA
Reduce Security Exception Dependency

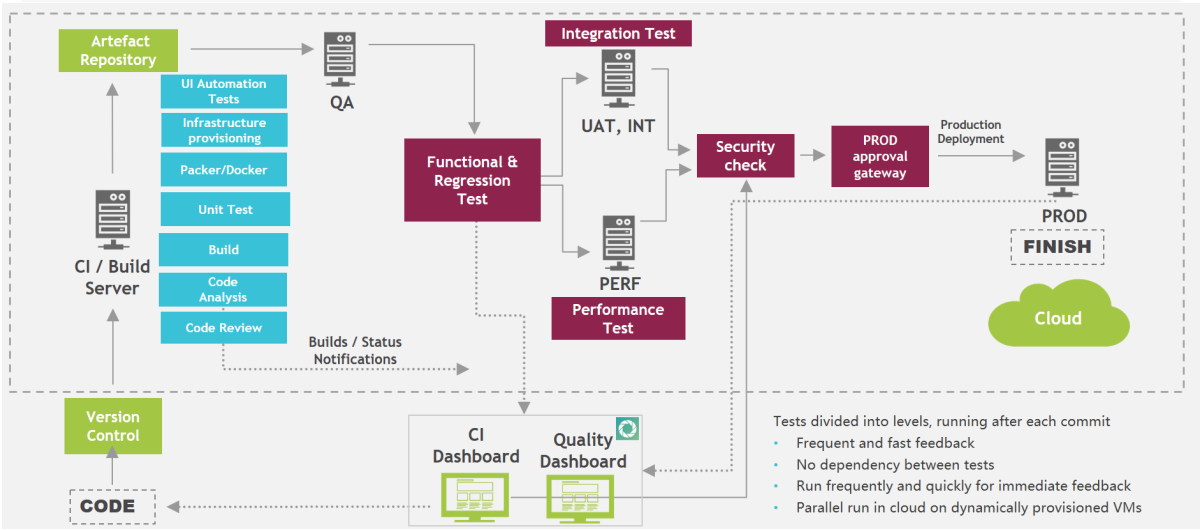
Service Virtualization



Realtime Insights



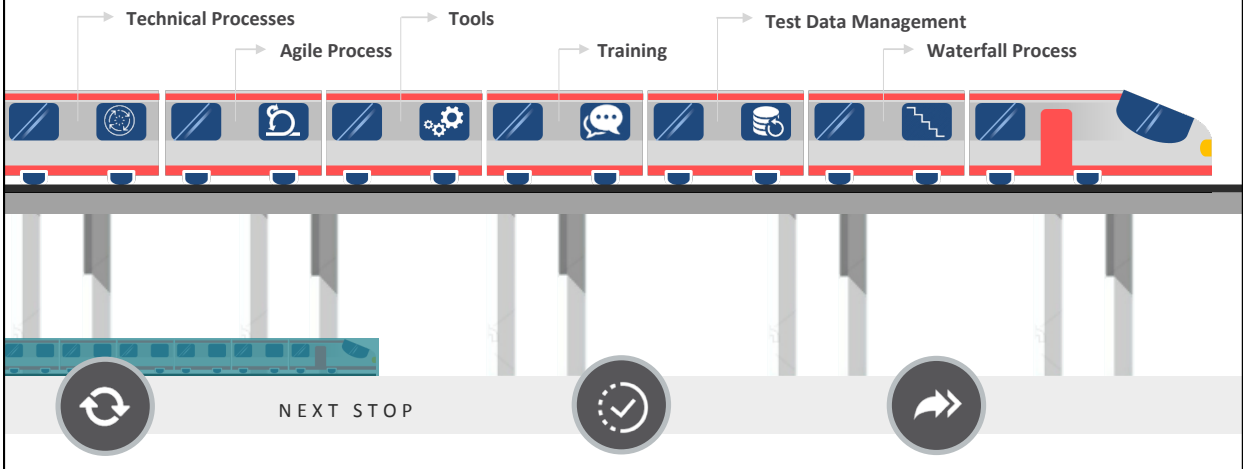
Blueprint for Continuous Testing



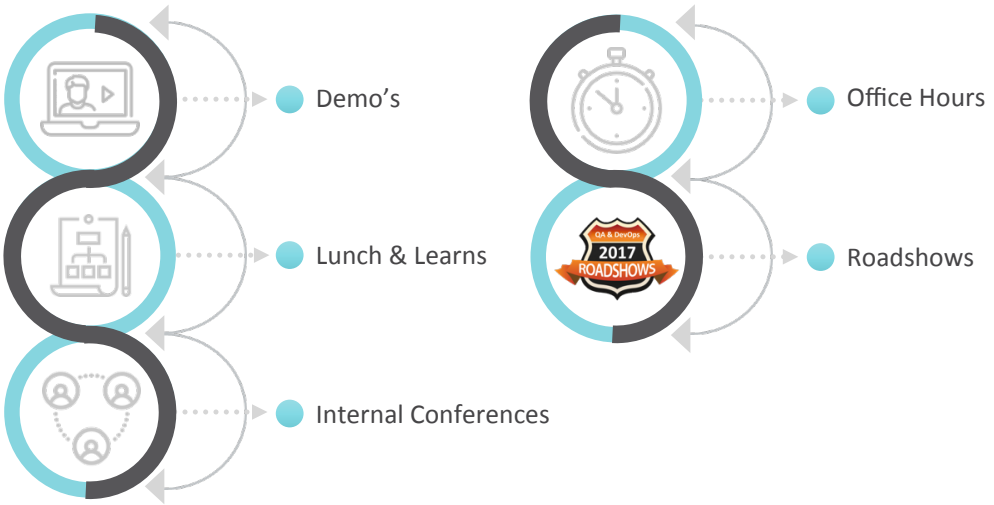
HOW DO YOU START?

Value Stream Analysis

Empower People to Drive Change



Build a Community



Common Challenges

Lack of **funding**

Project delivery **mindset**

3rd party **dependencies**

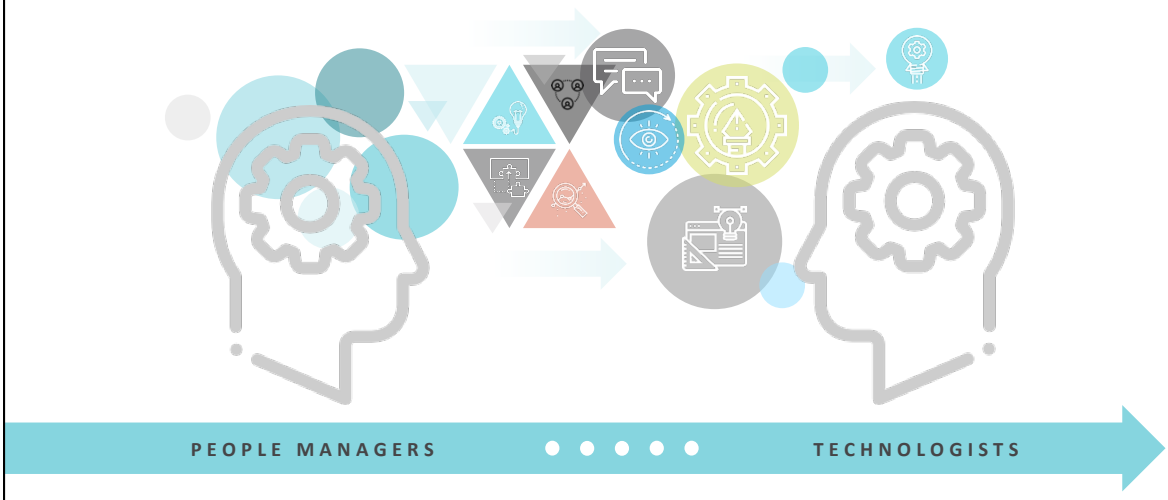
Questions on direction

Lack of **Technical** resources

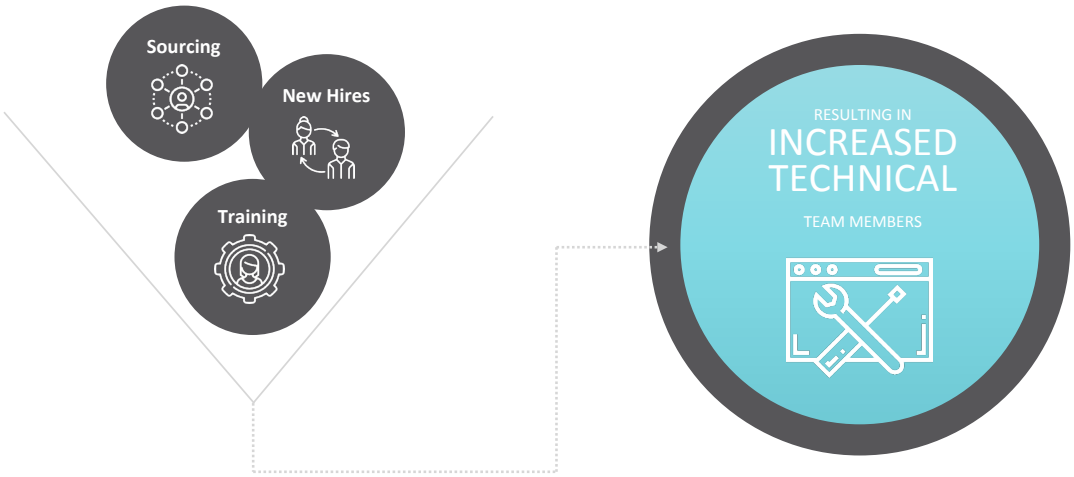
Top down and bottom up support is critical

Take Inventory of Your Team

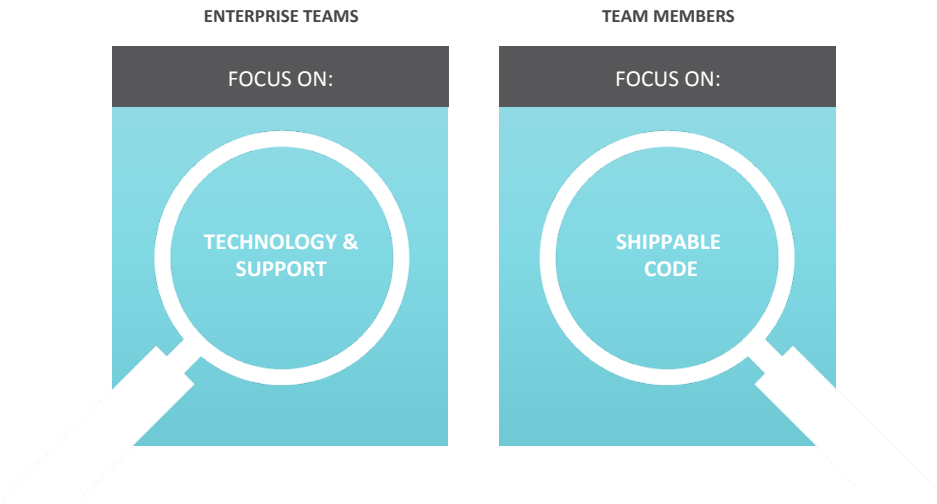
Identify Your Future Leaders



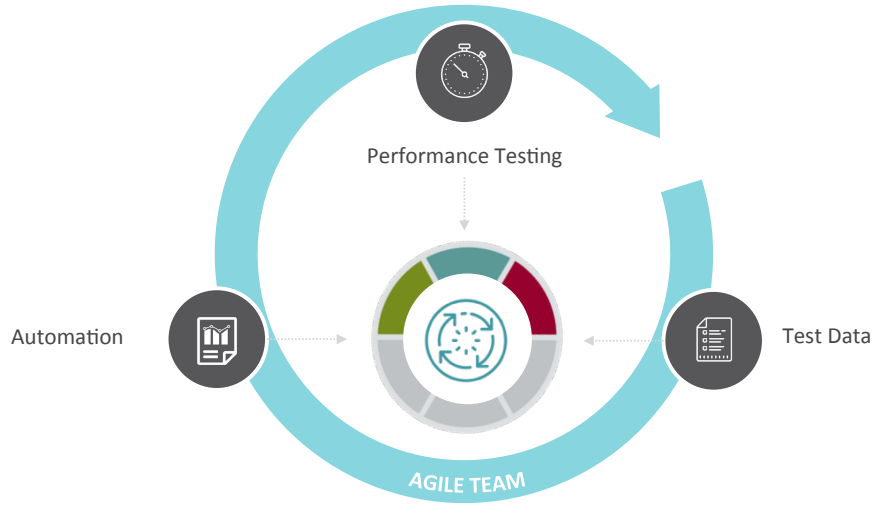
Use multiple levers to get more technical



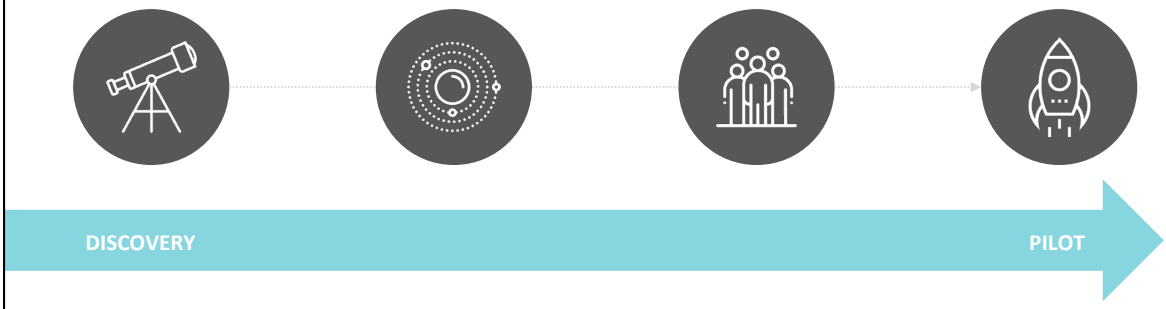
Enterprise Groups Focus on Enablement



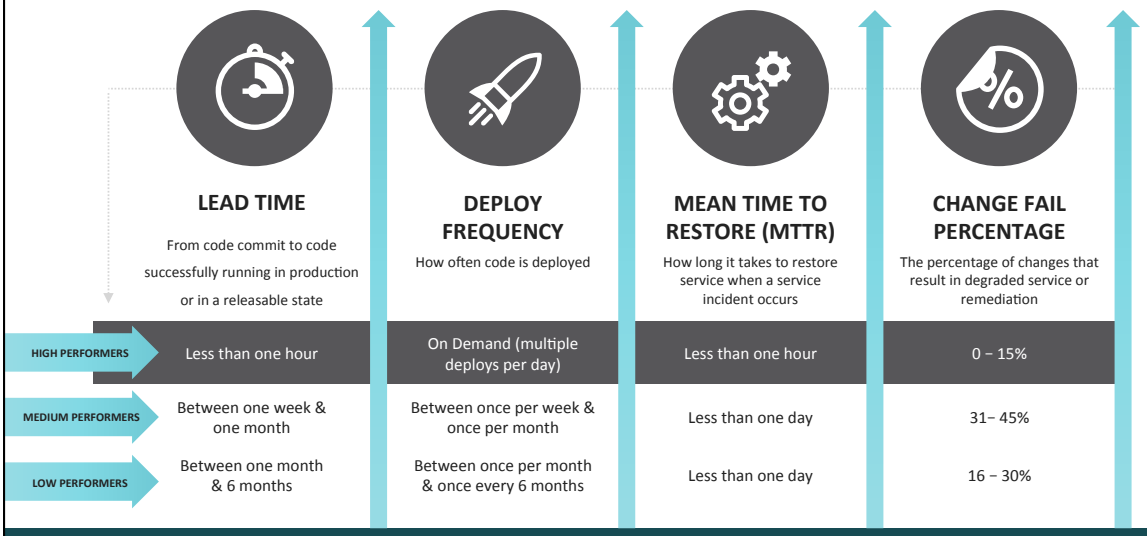
Embrace DevOps for Testing



Pilot Like Crazy



Proven Metrics from D.O.R.A (DevOps Research and Assessment)



Continuous Testing Results I've Experienced

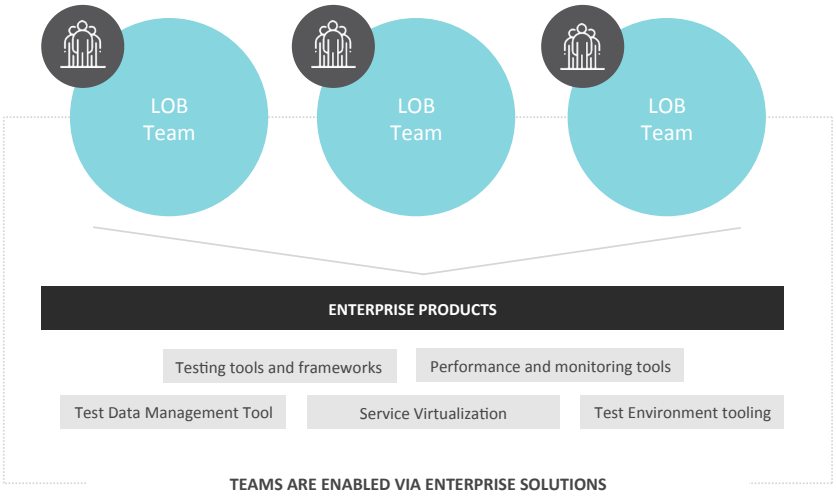
4x DEPLOYMENT SPEED

90% DECREASE IN INCIDENTS

1HR LEAD TIME FROM CHECK-IN TO PROD DEPLOYMENT

- Teams who adopted Continuous Testing and eventually Continuous Delivery improved deployment frequencies by over 4x
- The incident rate per production deployment fell 90% to less then 5%
- Elimination of manual testing tools due to the rollout of CT
- Over 100k test data requests able to be provided in a given month
- Elimination of Hardening phase for agile teams

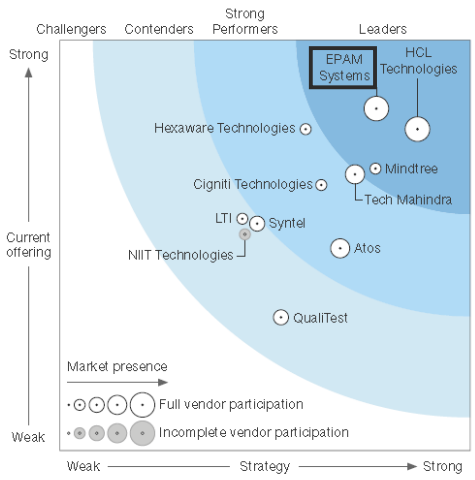
Continuous Testing Results I've Experienced



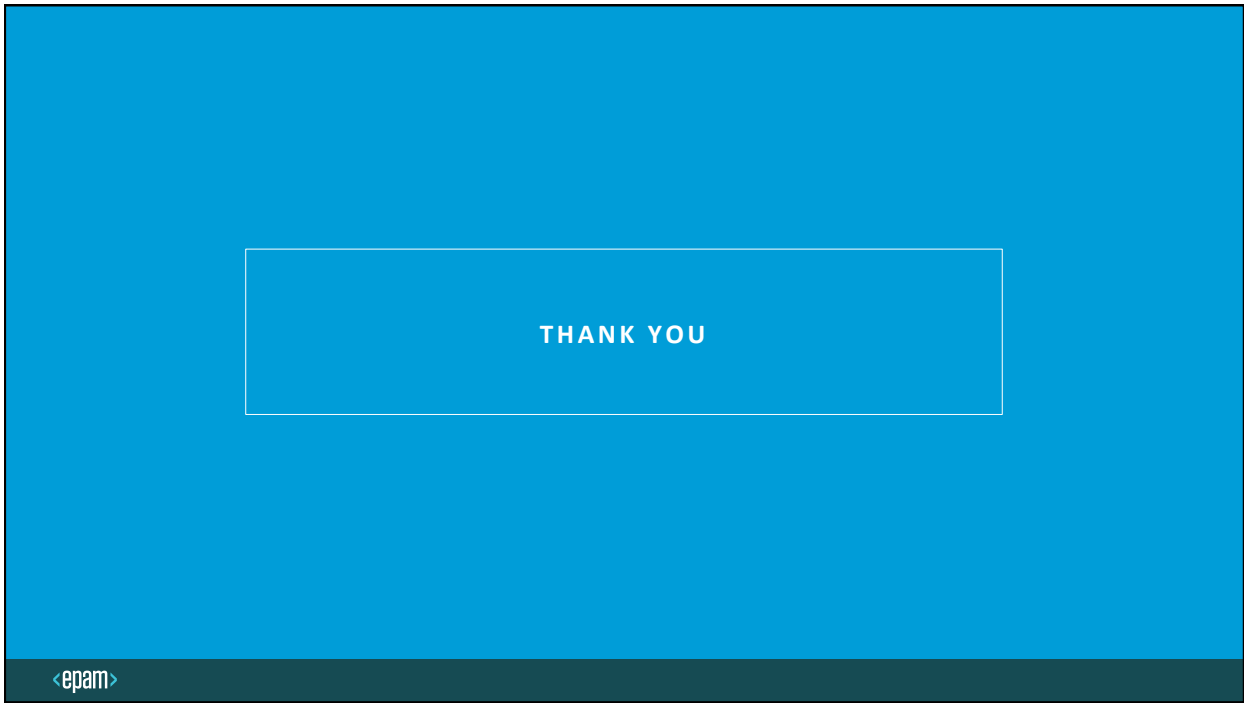
Epam recognized as a leader in the forrester wave™: Continuous Testing service providers, q3 2017

"EPAM IS AN IDEAL PARTNER FOR BOTH NEWCOMERS AND MATURE PRACTITIONERS OF DIGITAL BUSINESS THAT ASPIRE TO DELIVER QUALITY AT SPEED AND ARE MOVING TO AGILE AND CONTINUOUS DELIVERY MODELS."

The Forrester Wave™: Continuous Testing Service Providers, Q3 2017



The Forrester Wave is copyrighted by Forrester Research, Inc. Forrester and Forrester Wave are trademarks of Forrester Research, Inc. The Forrester Wave is a graphical representation of Forrester's call on a market and is plotted using a detailed spreadsheet with exposed scores, weightings, and comments. Forrester does not endorse any vendor, product, or service depicted in the Forrester Wave. Information is based on best available resources. Opinions reflect judgment at the time and are subject to change.


THANK YOU
‹epam›