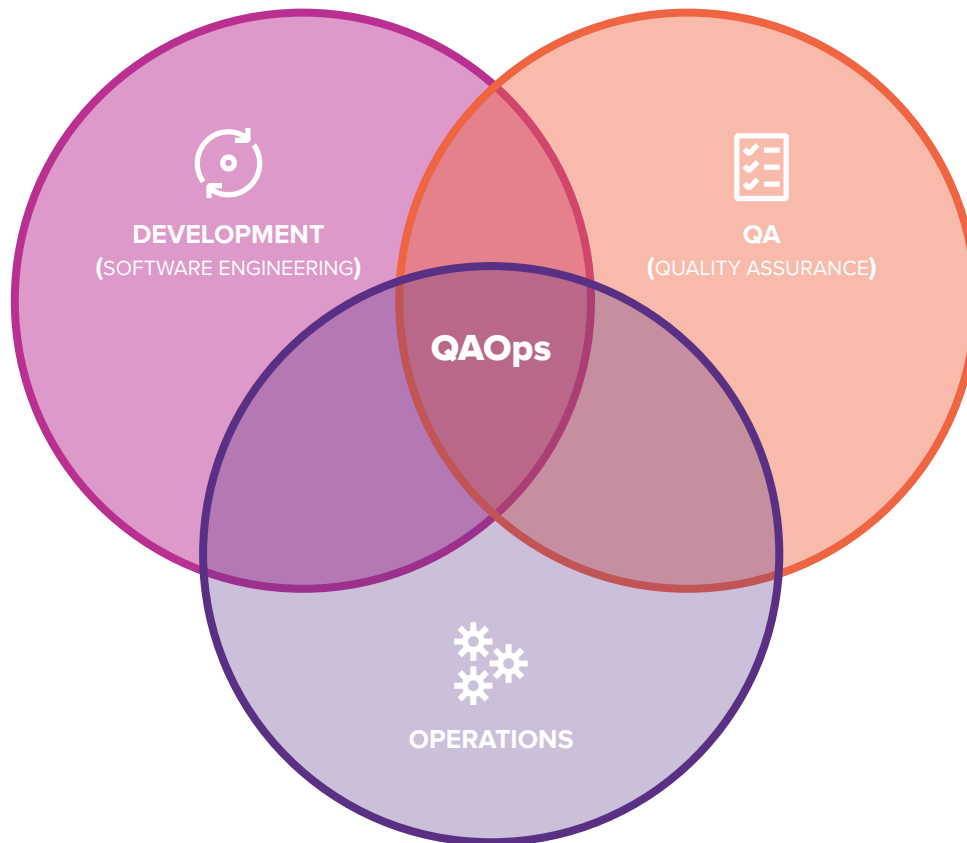


# QAOps - Latest Trend in QA & Software Delivery

# Who am I?





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<https://blog.qatestlab.com/wp-content/uploads/2019/04/qaops-software-testing.png>

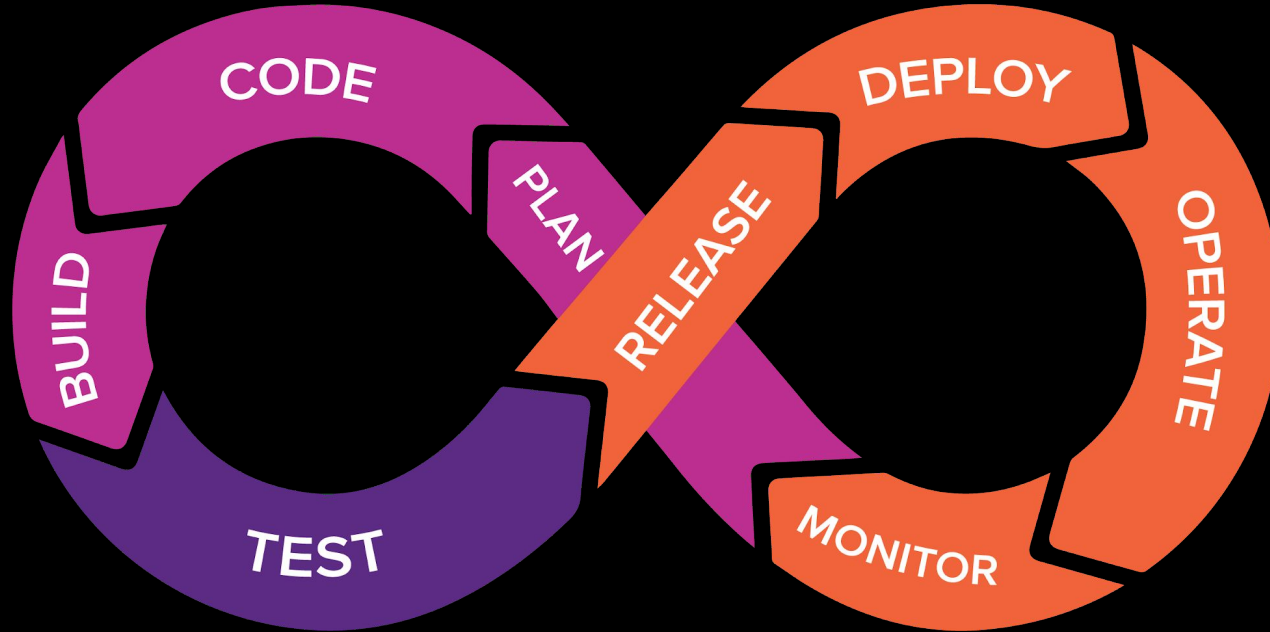
## QAOPS - MEANING

The commonly accepted **definition of DevOps** is the delivery of application changes at the speed of the business.

QAOps refers to maintaining software quality by approaching it with a **DevOps mindset**

**QAOps framework** increases the **collaboration** between the QA engineers and developers. QA engineers must work closely with software developers, operations personnel, and everyone involved in the CI/CD pipeline.







### Automated testing

One of the most reliable methods for software testing



### Scalability Testing

Test's the application's behaviour when it is scaled up or down.  
Helps you understand how your product behaves under different request loads.



### Parallel Testing

This is used to test multiple parts or components of the application at the same time. The testing process for each component should be independent of the others.

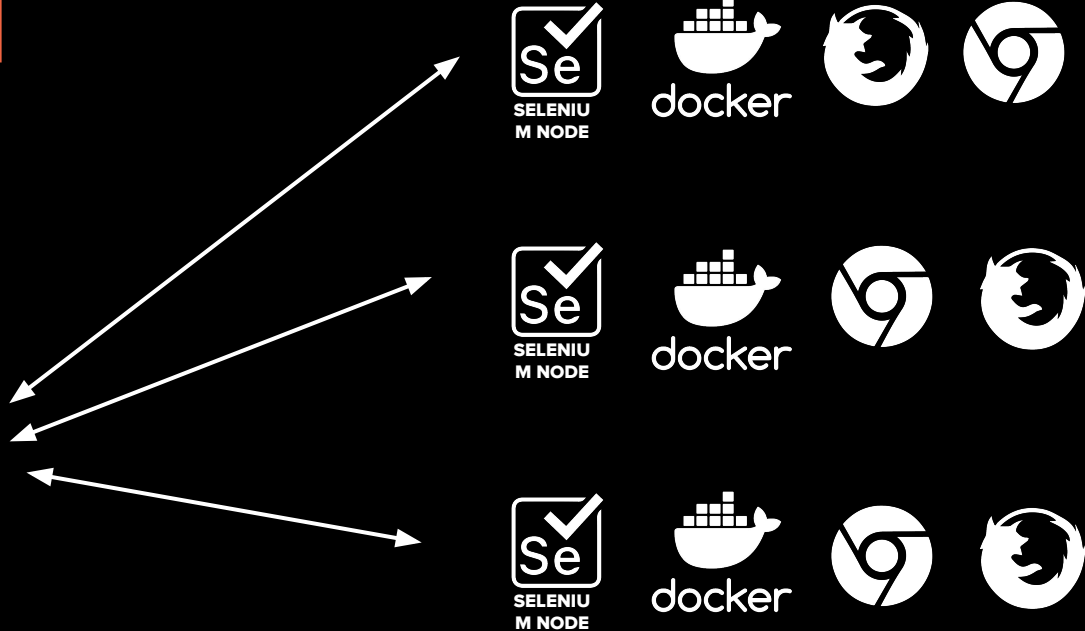


### Integrating DEV and OPS with QA

**Integrated team** - Strong collaboration of teams that work at the project

## ZALENIUM

=  +  docker



## QAOPS - WHY IT MATTERS

- **Faster** Software Development Cycle
- Keeps the testing team continuously **engaged**
- **Collaboration**
- Higher level of **quality** and **reliability**





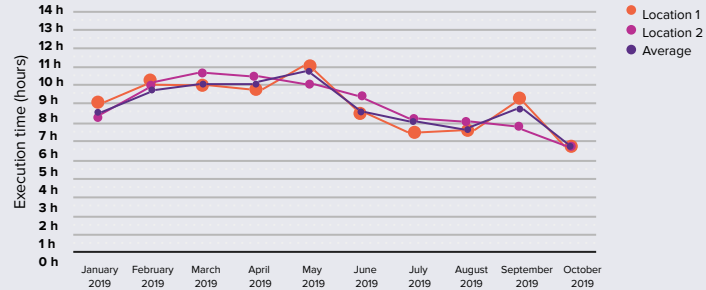
# REDUCING THE TEST EXECUTION TIME BY ADOPTING AUTOMATION

The synergy between Manual and Automation testing for a retail app improved the testing process efficiency even if the total number of test cases significantly increased by enabling new features.

The results we got after one first year of using automation allowed us to reduce the sprint length from 4 to 2 weeks.

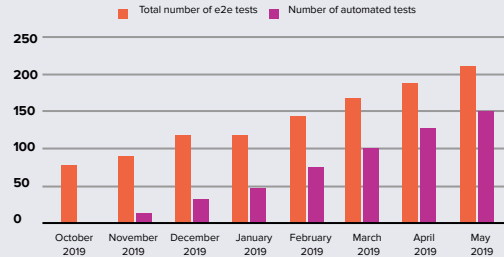
## MOBILE APP

Manual Regression  
Execution time average  
(2019 - Monthly)

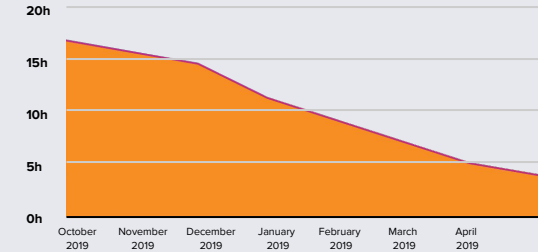


## WEB APP

Automation Test Coverage



Regression Test Run Time



# Q&A

# THANK YOU!

