

2019

THE STATE OF PERFORMANCE TESTING

There is a trend toward Agile, DevOps, and Shift Left performance testing. To some, these are mere buzz words. Others consider it the new norm. We recently surveyed testers across QA, Dev, and Production to see where the market is currently.

Where do you stand on the Agile performance testing maturity curve?

Shift Left remains the goal yet most struggle to attain

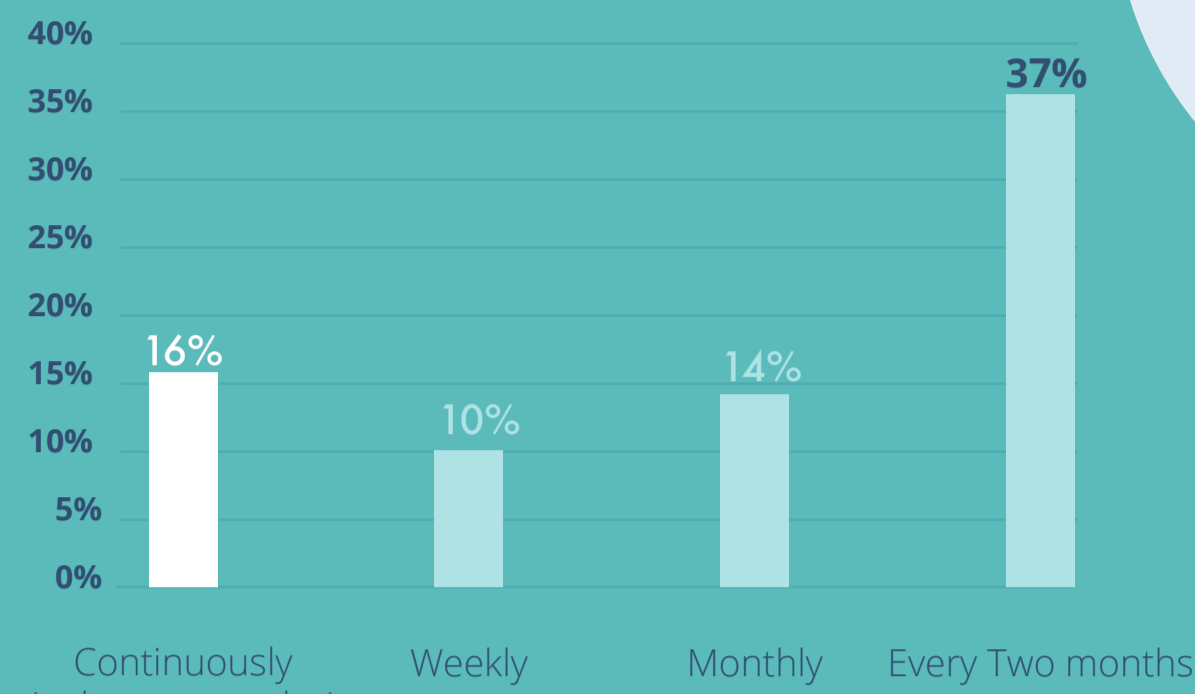
16% of organizations test continuously

Shift Left is about testing early in the software development cycle to identify performance bottlenecks before they become costly to resolve. Are organizations performance testing early particularly for their critical applications?

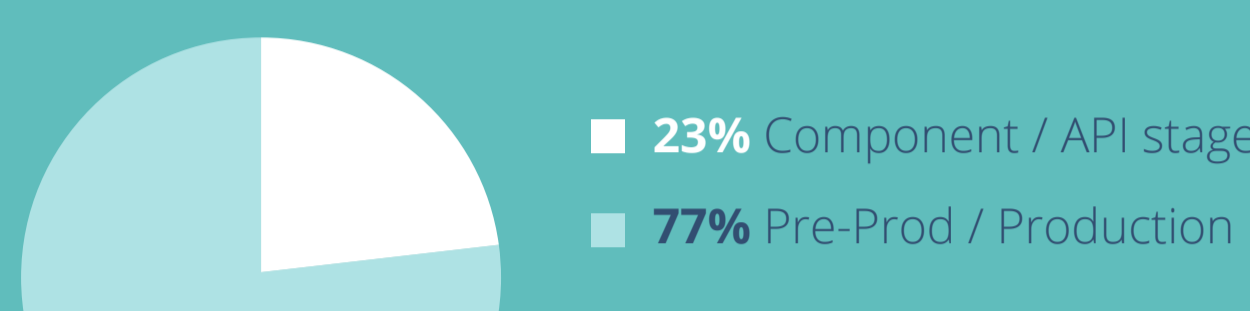
Some are doing so continuously (16%), but the majority still test at the end of dev cycles and with substantial performance tests not automated (37%).



How frequently are you testing?



When does your organization typically start evaluating application (or its components) performance?



23% of organizations test early

Testing in the early stages of the software development process remains cutting edge. However, the vast majority of organizations still execute performance tests late at the testing, pre-production, or production phase.

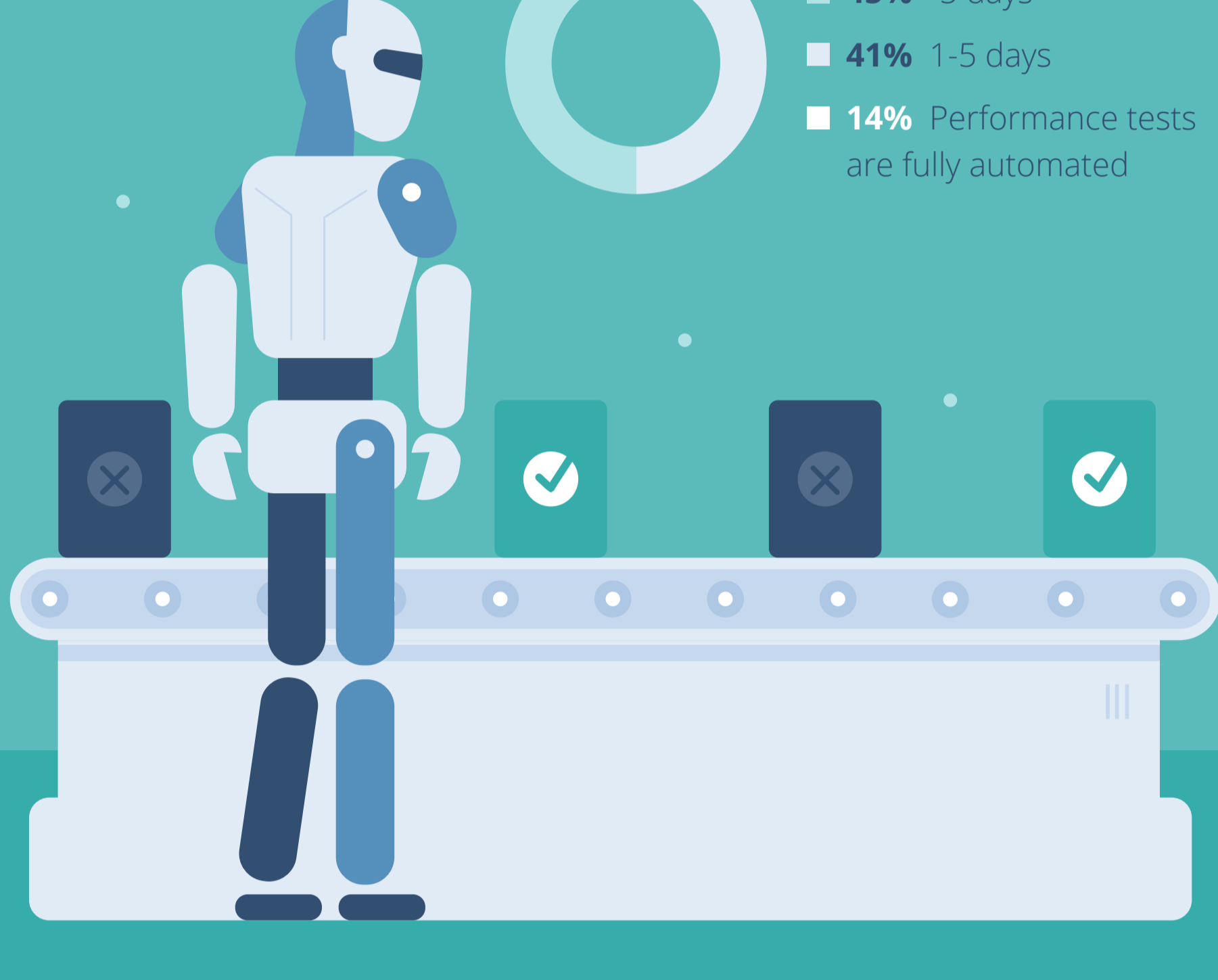
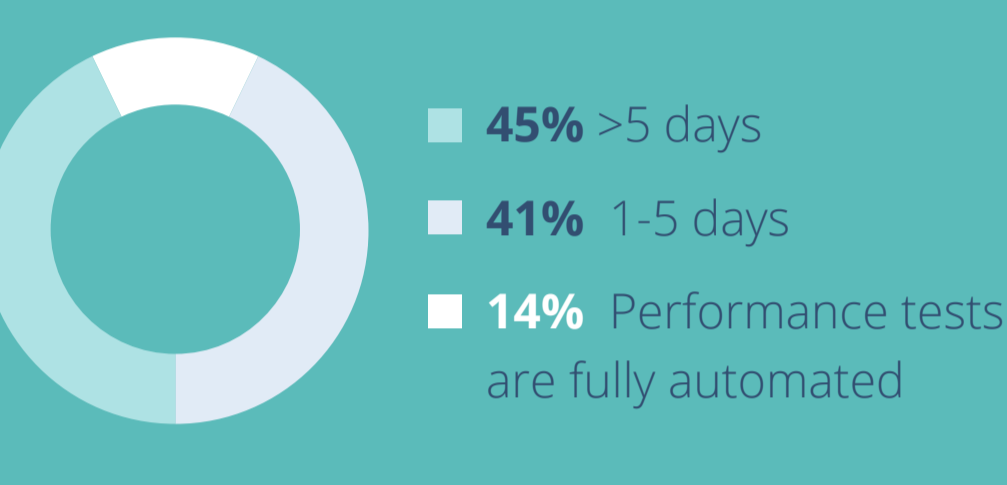


14% execute fully automated tests

And, organizations tend to execute extensive/long performance tests between one and five or more days (86%).

Only 14% declare having fully automated performance tests incorporated.

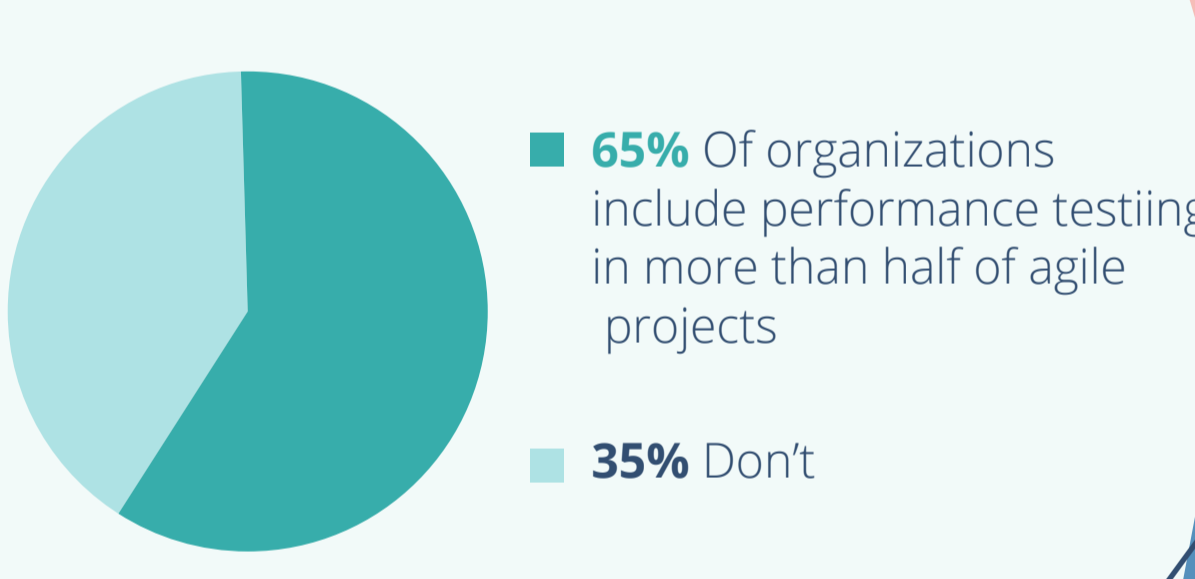
How long is the average performance test cycle?



Removing the silos increasing but not there yet

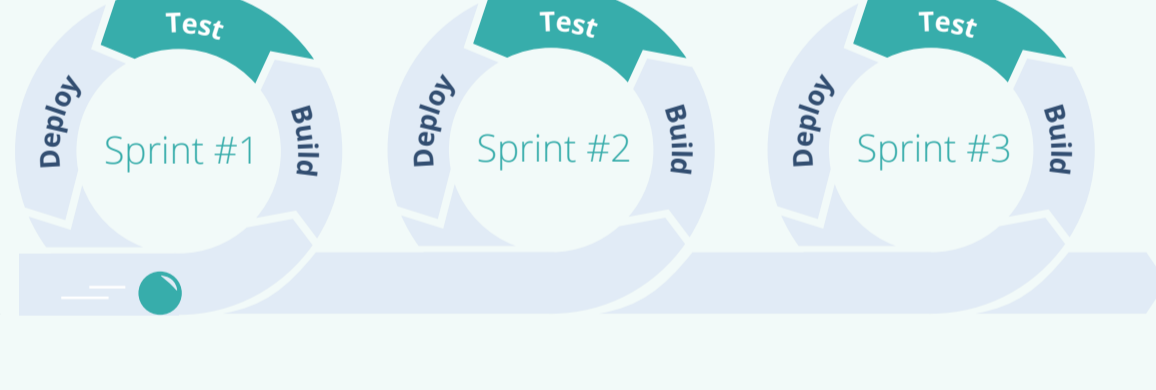
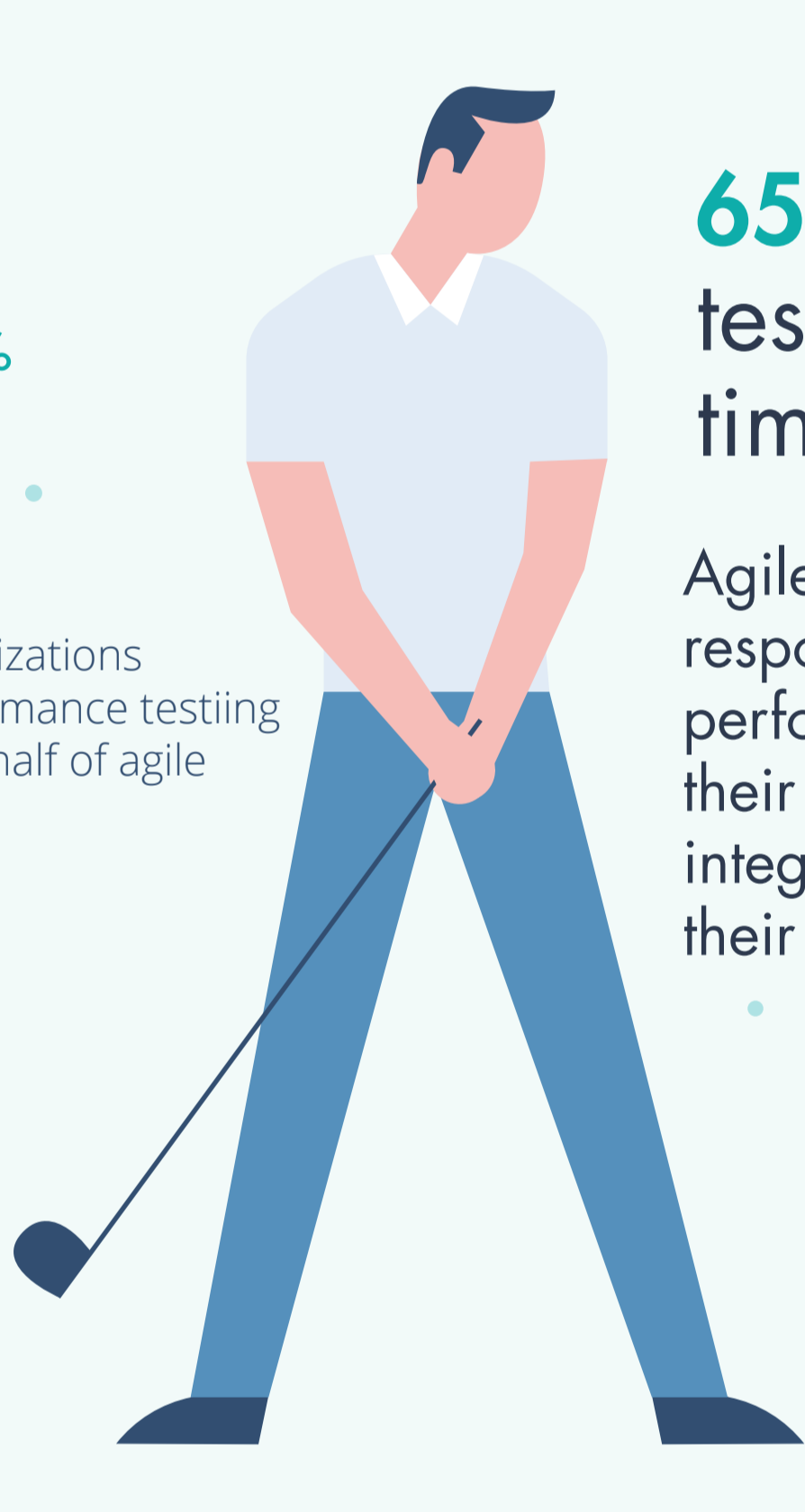
Organizations are adopting Agile and DevOps to deliver more frequently. But how does performance testing fit into this effective development approach?

Within your Agile projects, what % of your performance testing is integrated into the Agile process?



65% include performance testing more than half the time

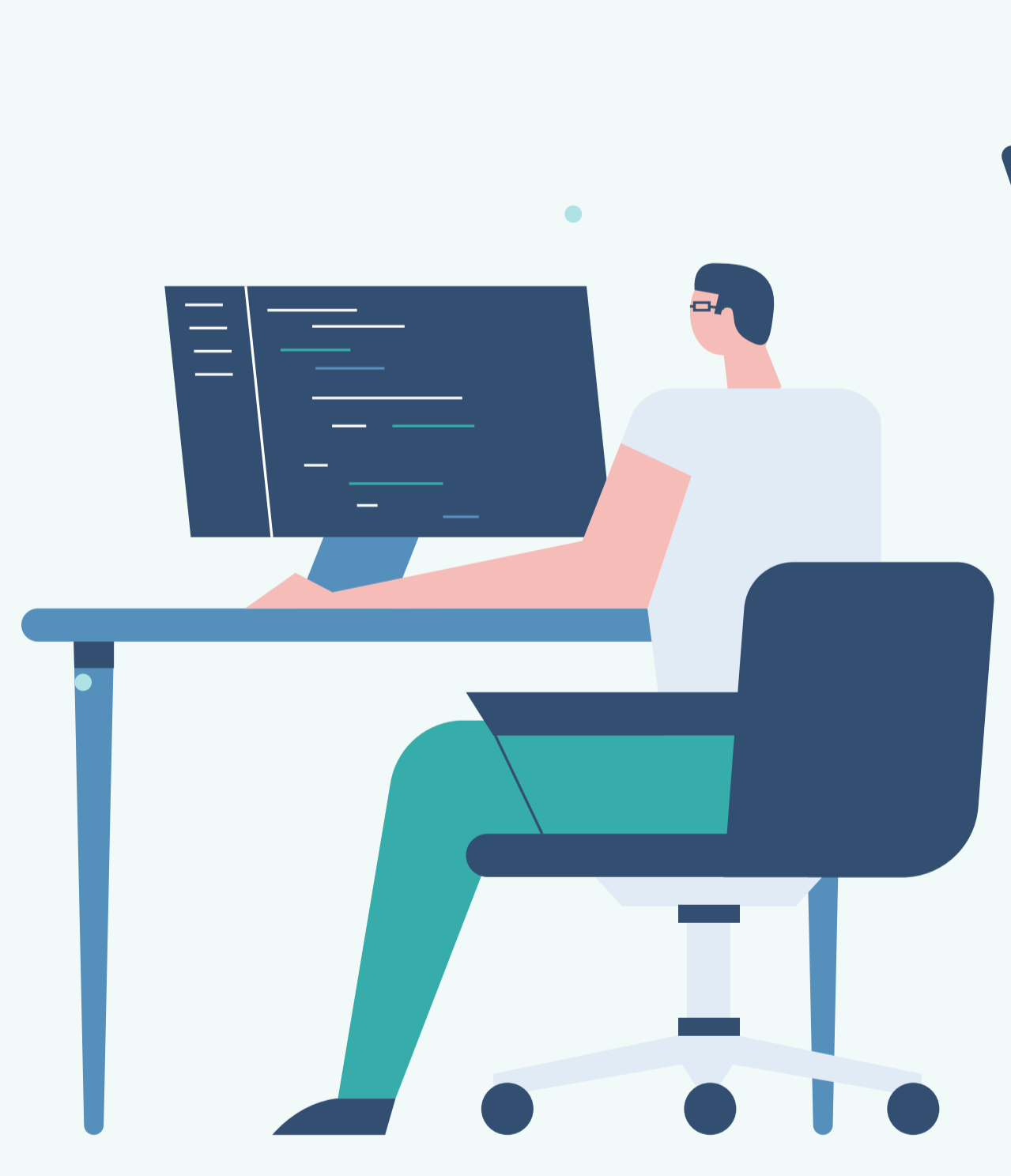
Agile is now the norm according to 85% of respondents. But only 65% include performance testing into more than half of their Agile projects. And 83% don't integrate the performance testing tasks into their continuous integration pipelines.



37% involve developers in the performance testing process

Outside of the Center of Excellence, does performance testing involve other groups? Not completely.

The responsibility of performance testing is still owned mainly by the traditional QA Center of Excellence or done in the Ops teams. But the developers' involvement in the performance testing process is increasing over historical practice (37%).



Developer



QA - Tester

Performance tests are executed based on the collaboration of which associated group?



Agile is the norm, but the road to adoption is iterative

Many companies have become Agile, and most organizations are on their way to DevOps. Functional testing is now mostly automated, but performance testing remains a practice dedicated to specialists, done at the end of dev cycles and with a low degree of automation.



If you want to automate your performance testing and having it be part of your continuous integration pipeline (shared across your Agile/DevOps teams), visit www.neotys.com.

Discover NeoLoad, the continuous performance testing platform for the enterprise.

TRY NELOAD