



BENEFITS OF CI/CD

UdaPeople

WHAT IS CI/CD

Continuous integration:

Continuous integration (CI) is the process of automatically building and testing code every time a team member commits code changes to version control.

Continuous delivery

is an **approach** in which teams produce software in short cycles, ensuring that the software can be reliably released at any time and, when releasing the software, without doing so manually.

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Faster time to market

Tech giants may have led the way, adopting Agile and Devops techniques to transform their development processes and deliver constant improvements to their users, but with many smaller organizations following suit the landscape is becoming increasingly competitive.

Reduced risk

Having a shorter time to market doesn't just help you keep up with the competition. Rapid releases provide an opportunity for product managers and marketing professionals to engage more closely with the development process.

Cost Deduction

Using a CI/CD pipeline limits the potential impact and loss that a deployment problem can cause by allowing it to be deployed in non-critical business hours. Also, repeated automated deployments during the development phase help developers catch the errors early before causing any significant damage. Such a pipeline implementation increases code quality, thus increasing overall ROI for the

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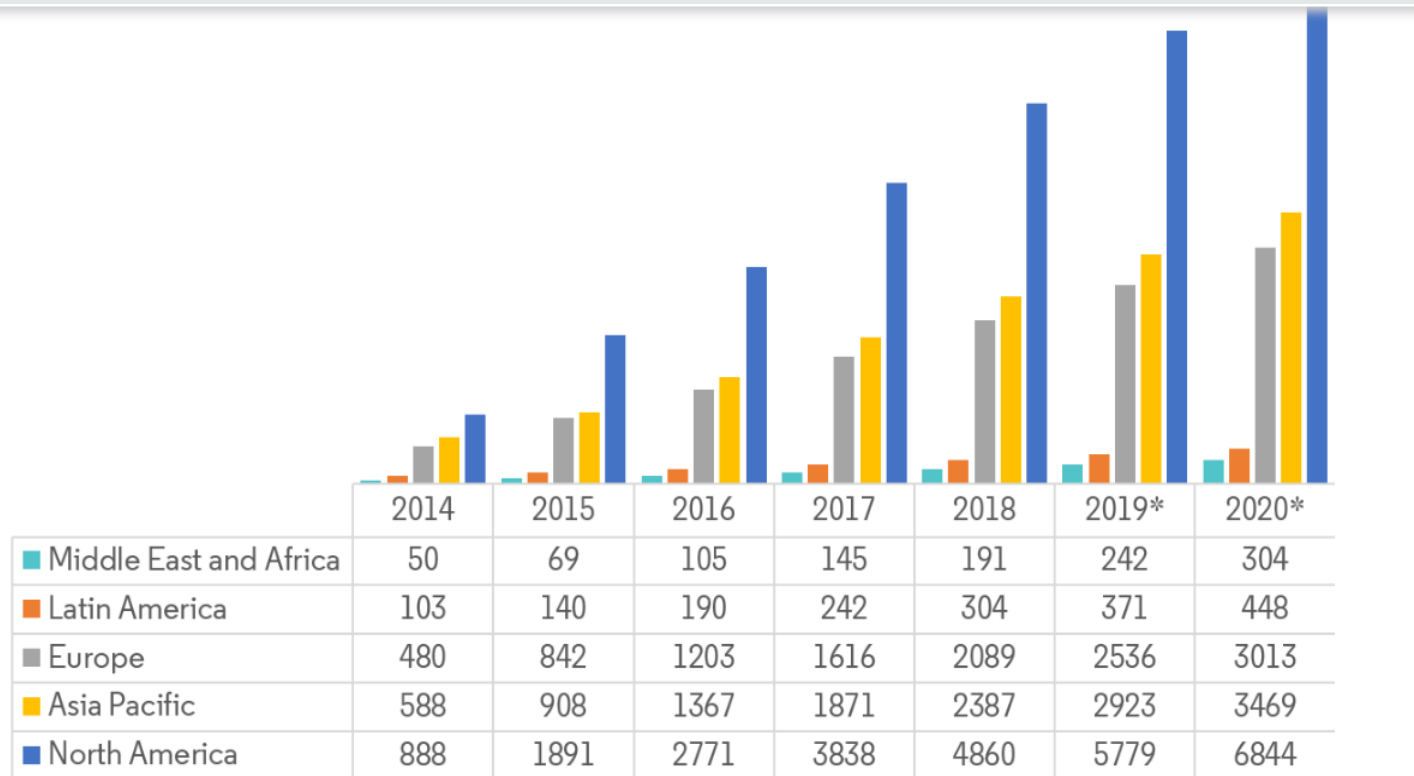
Decrease Code Review Time

You can have your CI and Version Control System communicate with each other and tell you when a merge request is good to merge: the tests have passed and it meets all requirements. In addition, even the difference in code coverage can be reported right in the merge request. This can dramatically reduce the time it takes to review a merge request.

Accurate progress monitoring

A majority of the CI/CD tools can be used for instrumenting the process and provide a set of metrics that include building, test coverage, failure rates, test fix times, and more. This data can help you recognize areas causing your pipeline to perform slowly and make improvements as and when required.

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And on nowadays the number of companies that are adapting ci/cd increased tremendously and that's due to the benefits that we mentioned before still on the middle east and Latin America on 2020 but ci/cd will sooner reign the world