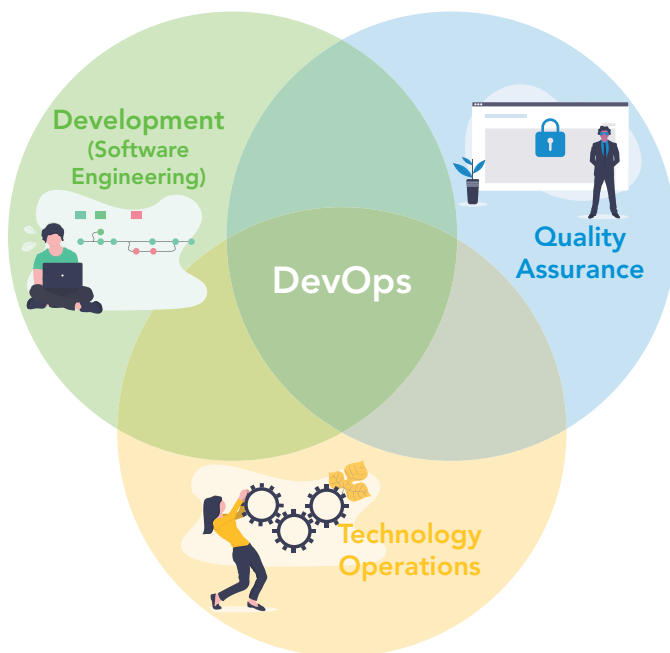# What Is DevOps &
Why Is It So Important?

5 basics you should definitely know about DevOps!

1 What is DevOps?

DevOps is a software engineering culture and practice that aims at unifying software development (Dev) and software operations (Ops).
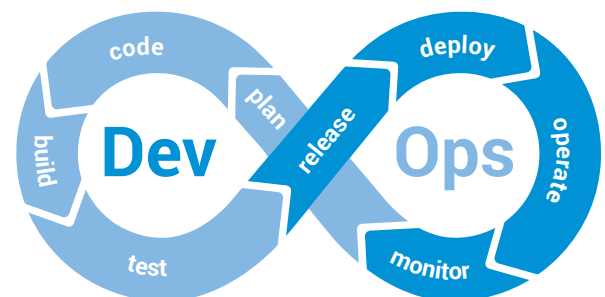
Source: Wikipedia, DevOps

In other words – DevOps is basically using agile principles. With a team consisting of cross-functional members all working in collaboration, DevOps organizations can deliver with maximum speed, functionality, and innovation.

Development
(Software Engineering)

DevOps

Quality Assurance

Technology Operations

2 Does DevOps Matter?

Yes, it does! The IT industry is adopting DevOps at an increasing rate.
Organizations that want to stay ahead of the competition need to ensure that they create and deliver innovative applications faster and more efficiently.

code · build · plan · test · **Dev**

deploy · release · operate · monitor · **Ops**

3 What are the Benefits of the DevOps Approach?

DevOps is here to stay – for some very good reasons. Organizations are realizing a wide range of real, measurable benefits in its implementation.
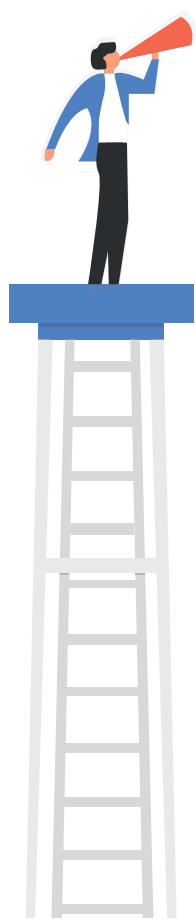
Business Change
- Faster delivery of features
- More stable operating environments
- Improved communication and collaboration
- More time to innovate (rather than fix/maintain)

Cultural Transformation
- Happier, more productive teams
- Higher employee engagement
- Greater professional development opportunities

Technical Shift
- Continuous software delivery
- Less complexity to manage
- Faster resolution of problems
- State-of-the-art technology

4 How Does DevOps Affect Me?

Every business is unique in its organizational structure, there is no strict route to follow when implementing DevOps. Realize that it is not enough to use different modern tools.

It is important to initiate the culture change by establishing better collaborative capabilities and more flexibe, efficient teamwork

It is not a single task -- more of a term used to substitute a list of several practices

Finally, don't treat it as a project — it is a continuous process of collaborative improvement

As a software customer, you may only have to implement the Ops part, since development is outside your scope. That doesn't mean it's less important.
- Include your software vendor in your feedback process
- Build a solid continuous delivery pipeline to be able to act agile
- Deploy on demand

5 How to Get Started With DevOps

Increase the Flow
- Think production line
- Automate, automate, automate
- Focus your work, prioritize tasks, and reduce 'unplanned' work

Define Processes, Strengthen Collaboration & Feedback
- Stand-up meetings
- Shift left*
- Establish change management

Continuous Improvements & Experimental Culture
- Improve on an ongoing basis
- Reduce 'waste'
- Build a culture of trust and healthy risk-taking

*The premise behind 'Shift left' is to expedite tasks that are typically done at later stages during development - for example design thinking or testing.

Are you ready for your DevOps transition journey?

panagenda is happy to help you master the following challenges:

Building your Private or Hybrid Cloud Infrastructure

Automating your Infrastructure Processes

Automating your Software Development

Support you transforming your existing applications to Microservices

Support you building your culture and collaboration layer for DevOps

Get in Touch

modernize@panagenda.com