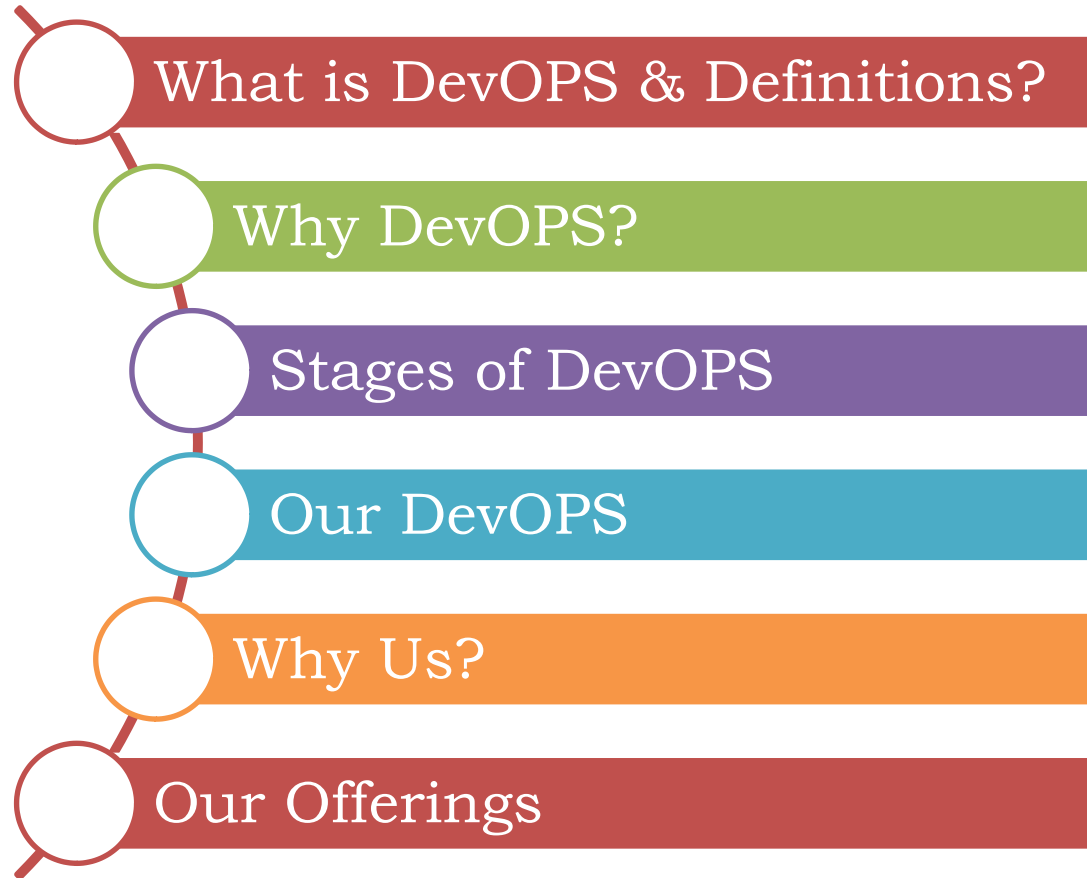


O S Hiran Ram Babu

17-07-2019



Agenda



What is DevOps?

Is it

- a culture?
- a job title?
- a project?
- a team?
- a way of organizing?
- a tool stack?
- a methodology?
-

**so,
what is
this?**



Book Definitions

DevOps

- Is the software engineering culture and practice that aims at unifying software development (Dev) and software operation (Ops). --**Wikipedia**
- Is the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes. --**Amazon**
- Is the union of people, process, and products to enable continuous delivery of value to our end users. The contraction of “Dev” and “Ops” refers to replacing siloed Development and Operations to create multidisciplinary teams that now work together with shared and efficient practices and tools. --**Microsoft**



WIKIPEDIA
The Free Encyclopedia



Microsoft

Real World Definitions

"DevOps is development and operations collaboration"

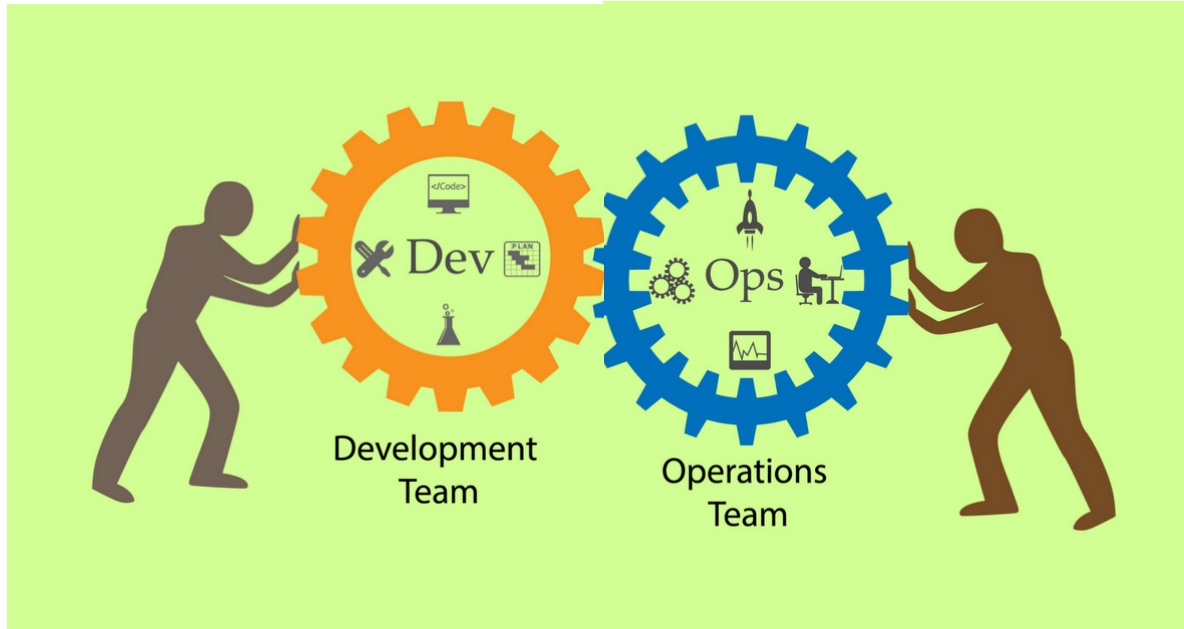
"DevOps is using automation"

"DevOps is small deployments"

"DevOps is treating your infrastructure as code"

DevOps is ...

Smooth Collaboration between



It's not a **Team** or **Title**...
it's a **Pipeline** for Smooth Delivery
More collaboration and automation = larger pipeline
for delivery.

Why DevOps?

Efficiency - Faster Time To Market

Predictability - Lower Failure Rate Of New Releases

Reproducibility – Version Everything

Scalability – Scale Everything

Speed And Recovery – Speed in delivery as well as recovery

Maintainability - Faster Time To Recovery In The Event Of A New Release Crashing Or Otherwise Disabling The Current System

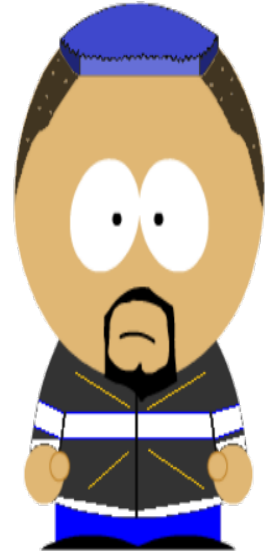
Wall of
Confusion

David is a DEveloper !



David wants to
maximize
change

Peter is an OPerator !



Peter wants to
optimize
stability

Break the wall between development and operations

Components of DevOps



1 People



2 Process



3 Products

Stages of DevOPS

- Plan
- Code
- Store
- Build
- Test
- Release
- Deploy
- Monitor

Our DevOps



redhat.



CHEF



Jenkins



git



ANSIBLE

Nagios®



amazon
web services

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*Happy
Learning*

Thank you

*#Shiko #Hodo
#Learn #Grow*