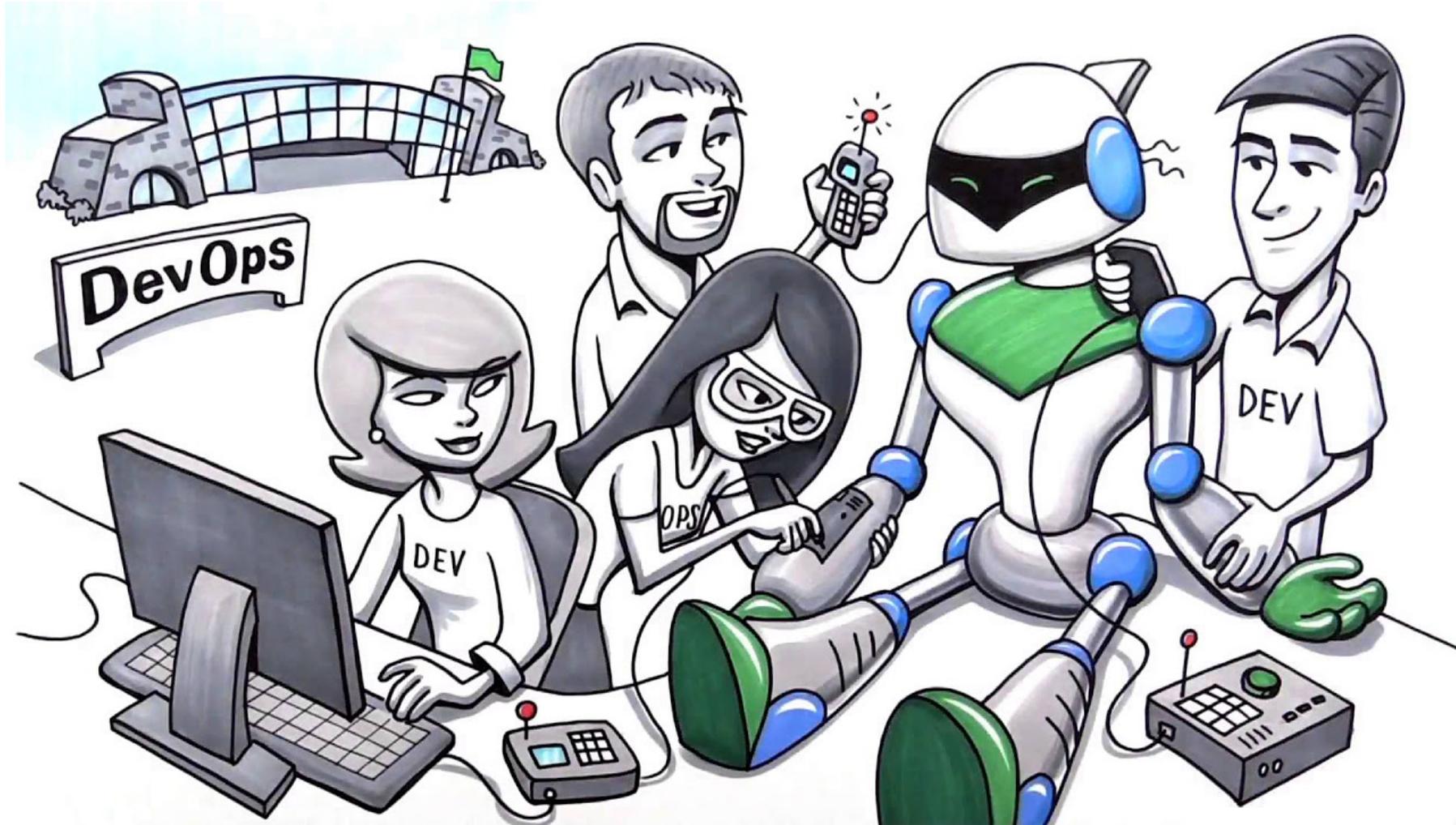


DevOps Demystified



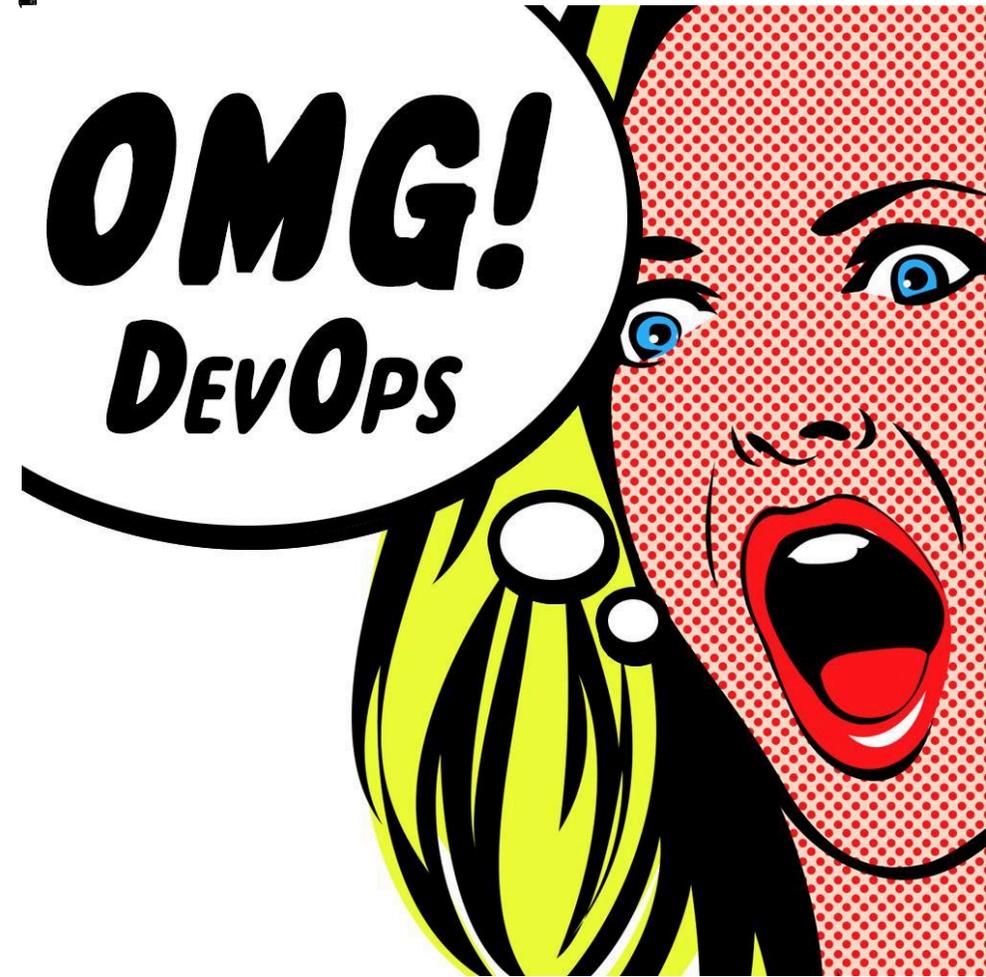
About me

- M. Mizanur Rahman
- Founder and trainer @ TechMasters
- CSM, CSPO, CSD, CSP, REP, CSD trainer
- Technical Writer and community manager

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DevOps – what is it?



Dev - Developers

- all the people involved in developing the product
 - Product manager
 - Developers
 - QA engineer
 - Software architects
 - Analysts
 - and other kinds of disciplines

Ops – Operations (IT)

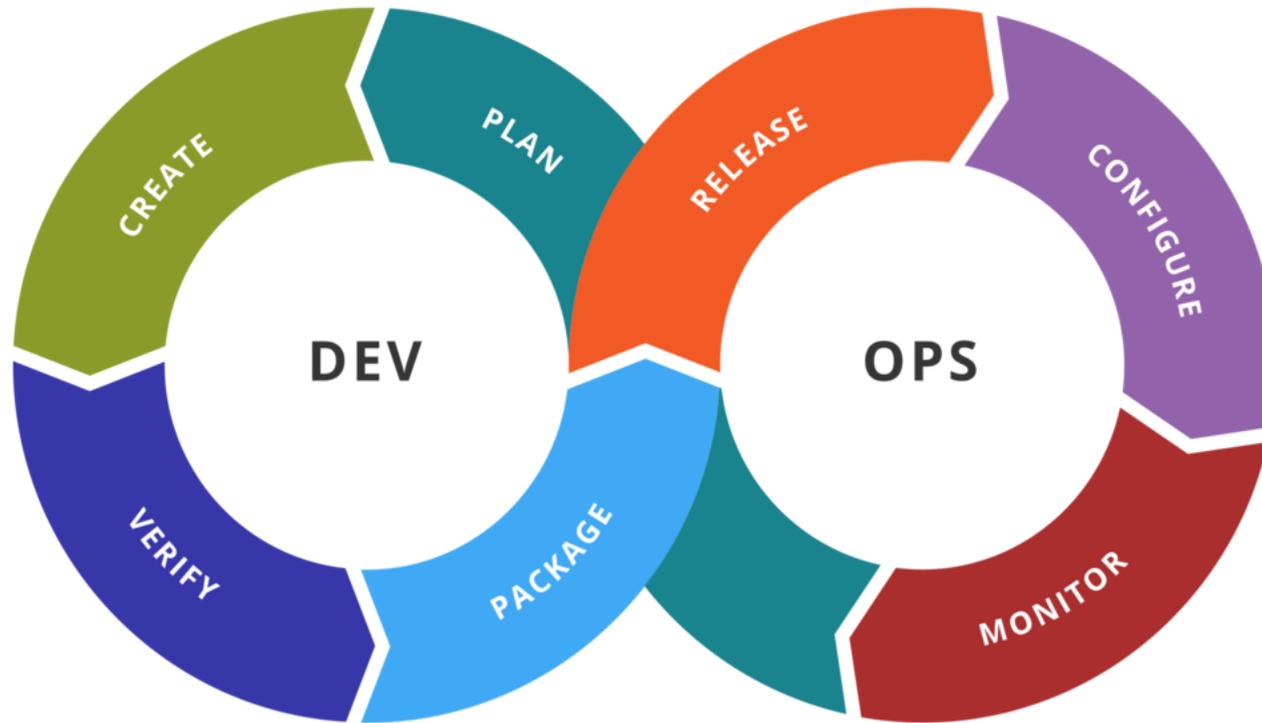
- Systems engineers
- system administrators
- operations staff
- release engineers
- DBAs
- network engineers
- security professionals
- and various other sub-disciplines and job titles



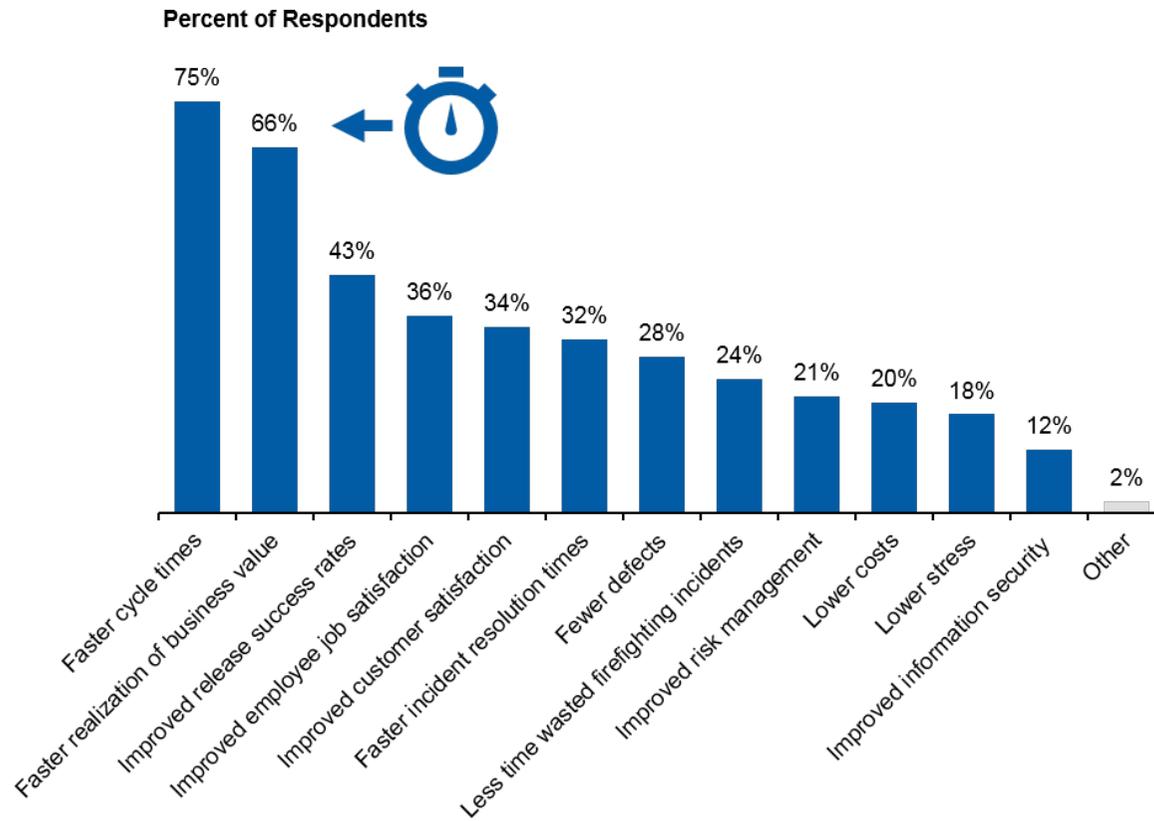
The definition

- DevOps 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.





Why DevOps matters?



Top 5 reasons to adopt DevOps

- Improve deployment frequency
- Achieve faster time to market
- Lower failure rate of new releases
- Shorten lead time between fixes
- Improve mean time to recovery



DevOps is not NoOps

- Some of us thinks that DevOps means that developers are taking over operations and doing it themselves. So no need of Ops – NoOps
- Since we are more on cloud infrastructure, we do not need any in house IT operations team or previously known as system guys ??!!!
- We have to remember that some parts of operations need to be automated, that means that either we ops people do some automation development, or developers are writing “operations” code, or both



DevOps is Not (Just) Tools

- It is not just implementing set of automation tools.
- Tools are required but they should not be called DevOps
- But it also does not mean that we do not need any tools for DevOps.



DevOps is Not (Just) Culture

- Culture can not be grow or change overnight.
- The resistance is higher when we try to push something to existing culture
- It is more about the **Mind Set**



DevOps is Not (Just) Devs and Ops

- It is about everyone who is participating in the delivery of the software or service



DevOps is Not (Just) A Job Title

- We just can not give anyone the title of DevOps just for no reason
- The skills and goal is important than having a nice job title.
- If we don't adopt the values and principles of DevOps, which require change at an overall system level not simply within a given team, we won't get all the benefits.



DevOps is Not Everything

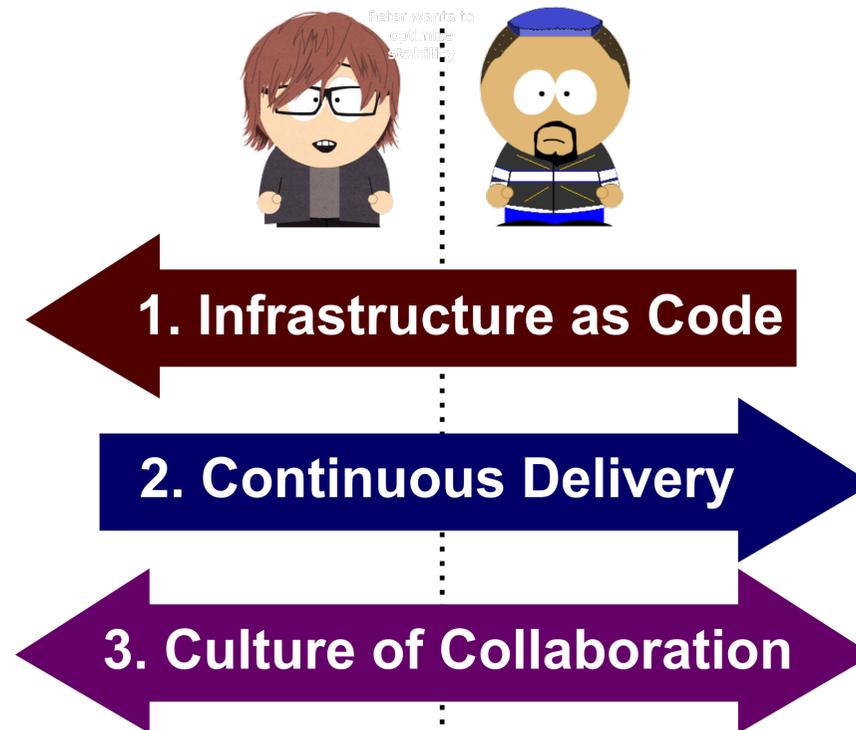


DevOps vs Traditional approach

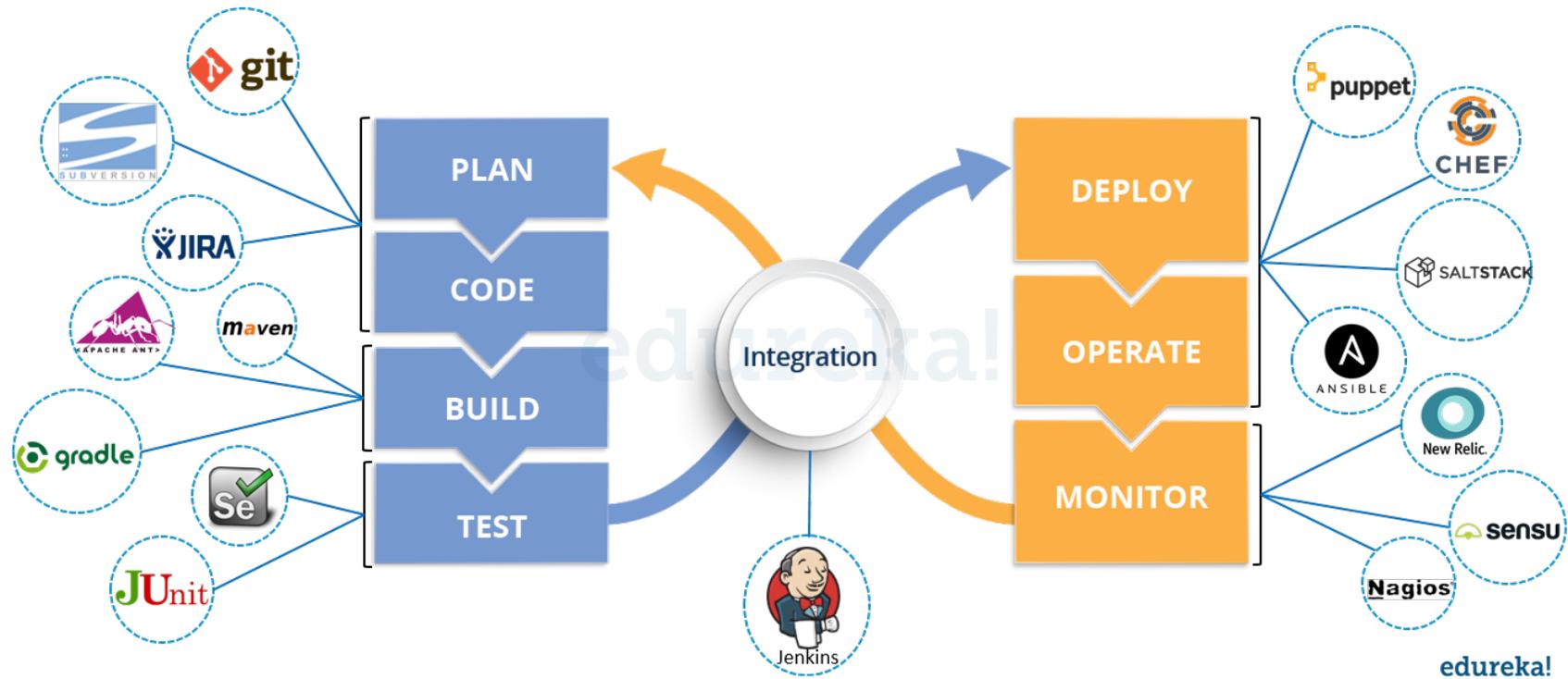
- Collaboration Oriented
- Structured and Substantially (or Wholly) Automated
- Self-Service Oriented
- Business Focused
- Designed for Change
- Silo Driven
- Snowflake Driven and Mostly Manual
- “IT Ticket” Oriented
- Function Focused
- Change Averse



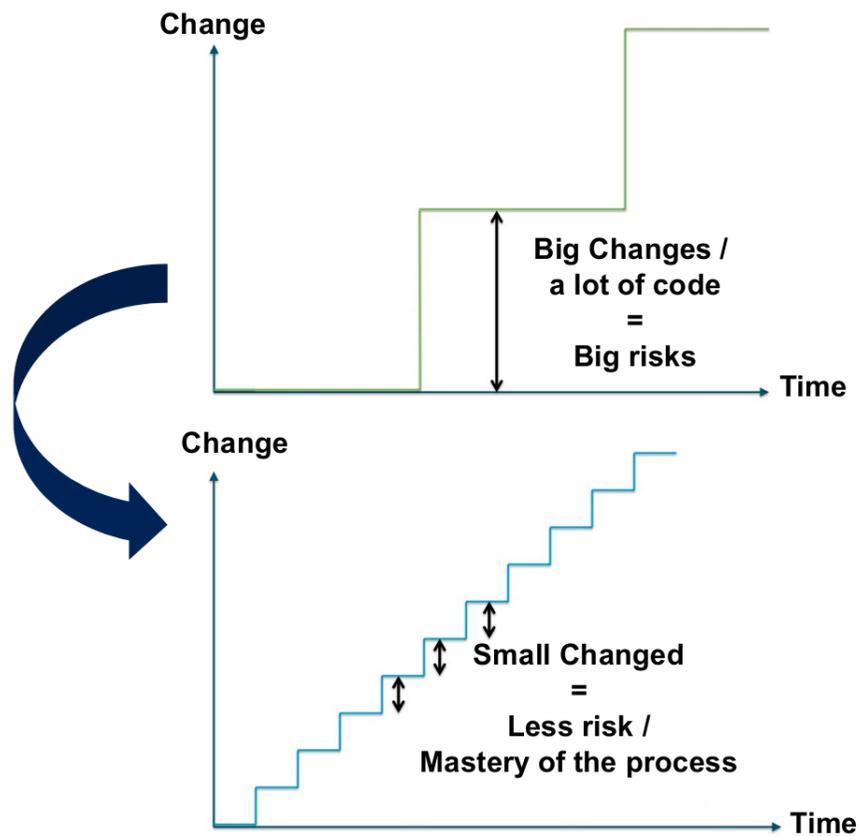
DevOps – principles



DevOps tools set - infrastructure

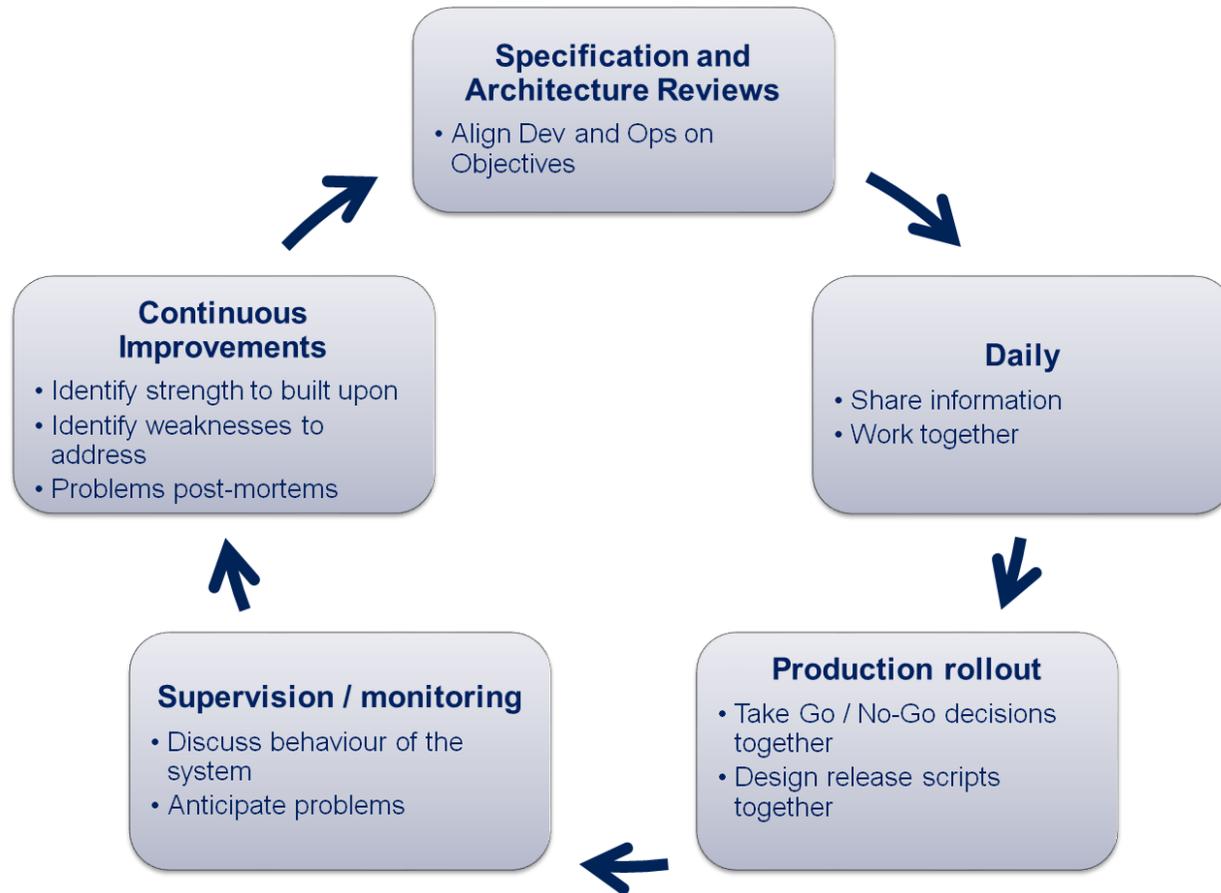


Continuous delivery and releases

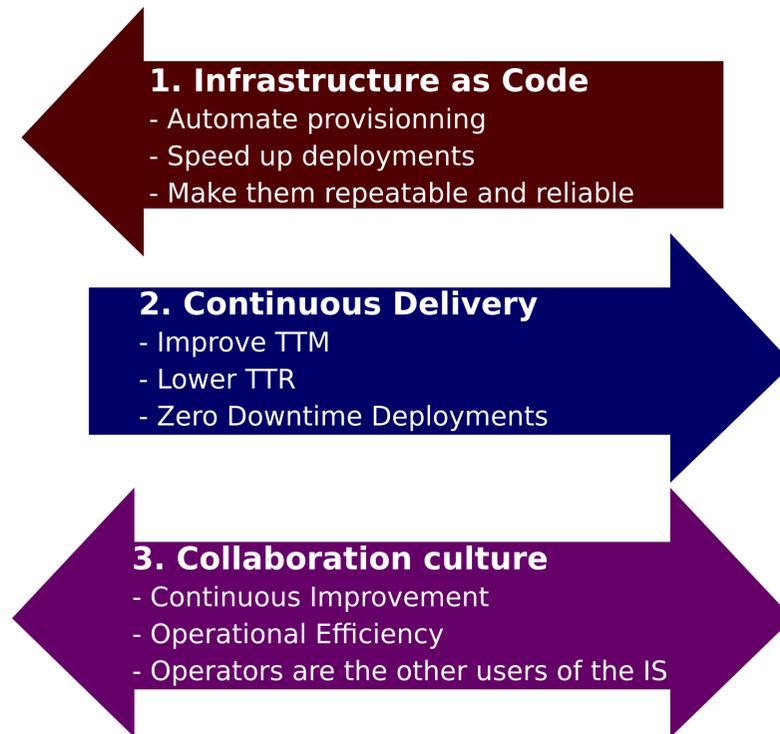


Culture of collaboration





3 principles for DevOps



Is DevOps Agile?

- **Individuals and interactions** over processes and tools
- **Working software** over comprehensive documentation
- **Customer collaboration** over contract negotiation
- **Responding to change** over following a plan



Summary

- It's about mindset
- It's about customer
- It's about flow
- It's about collaboration
- It's about taking pride of delivered services or works.
- It's about being agile



Thank you

