

Put u DevOps: Da li smo spremni na transformaciju?

Mustafa Toroman, MVP
Nenad Trajkovski, MVP



Connecting the dots

Neum 27-29/3/2019

NetWork 

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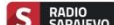
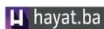
silver sponzori



prijatelji konferencije



medijski sponzori





Speaker Introduction

- Mustafa Toroman
- Cloud Architect @ Authority Partners





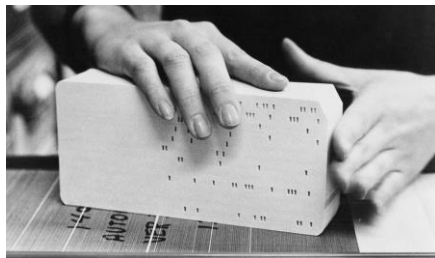
Speaker Introduction

- Nenad Trajkovski
- CEO @ NT Consulting



NetWork 9

Kako smo razvijali i isporučivali software u prošlosti?



NetWork 9

Kako smo razvijali i isporučivali software u prošlosti?



Bill Gross ✓

@Bill_Gross

Follow



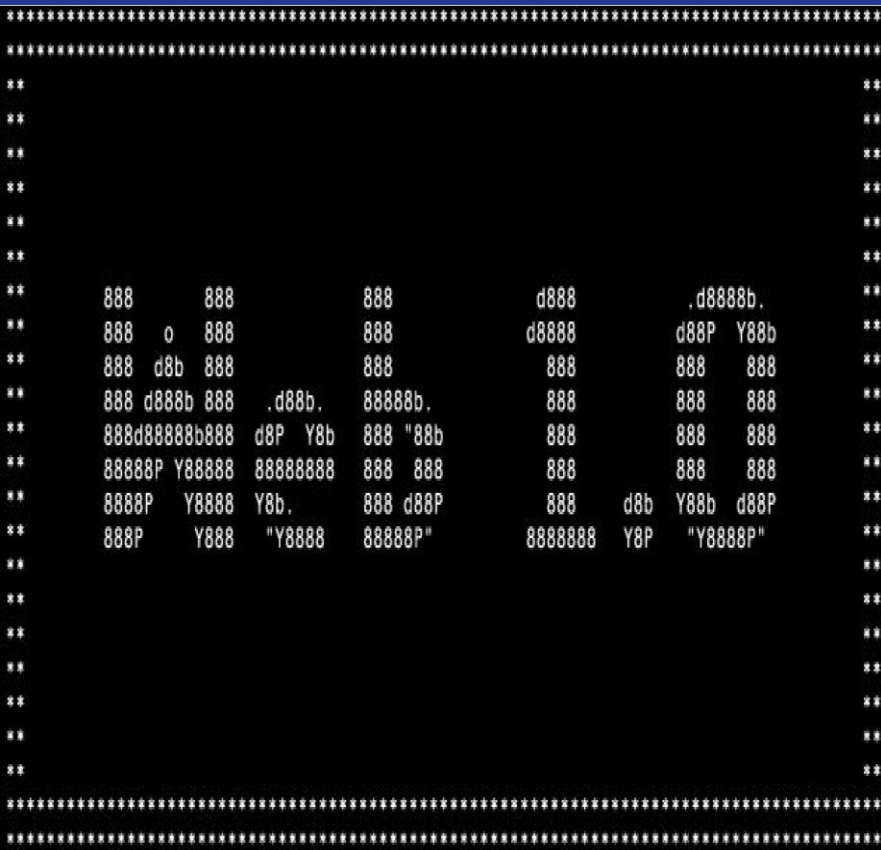
In the "I'm getting old" department.., a kid saw this and said, "oh, you 3D-printed the 'Save' Icon."

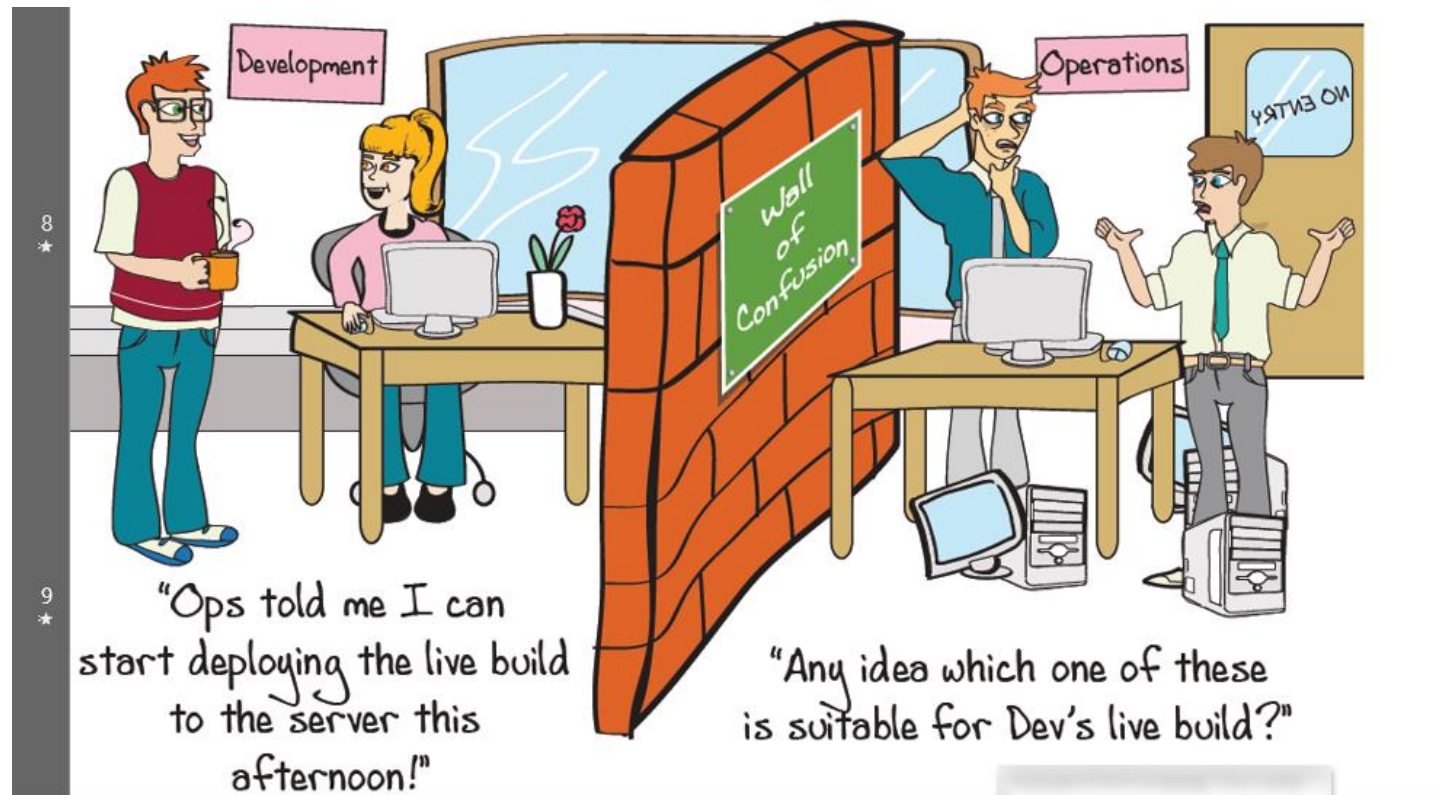


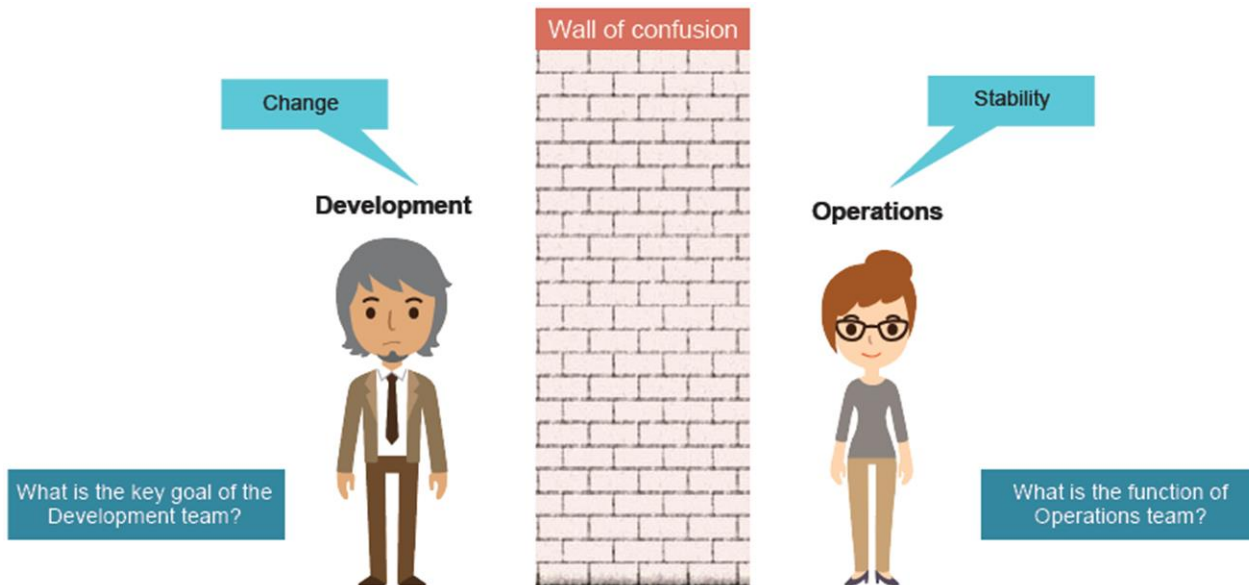
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NetWork 9

Kako smo razvijali i isporučivali software u prošlosti?









- “It works on my machine...”
 - Dev
- “It’s not the server, it’s your code.”
 - Ops
- “6 days after successful deployment, server experiences high load.”
 - Dev or Ops?
- “Software is deployed to test environment. You can’t log into application”
 - Dev or Ops?
- “There is an issue with build server. Code doesn’t build.”
 - Dev or Ops?



- Ne postoji formalizirana “primopredaja” između dva tima
- Operations se suočava s problemima tek u produkciji
- Organizacijski “silosi” – izolirani rad (“mi” – “oni”)
- Dok development razvija nešto novo – promjena, operations se brine da “sve radi” – stabilnost
- Različiti alati
- Nezainteresiranost za drugi tim
- Različita okruženja (DEV-TEST-PROD)
- Blame game
- Različiti procesi (Scrum, ITIL, Waterfall....)

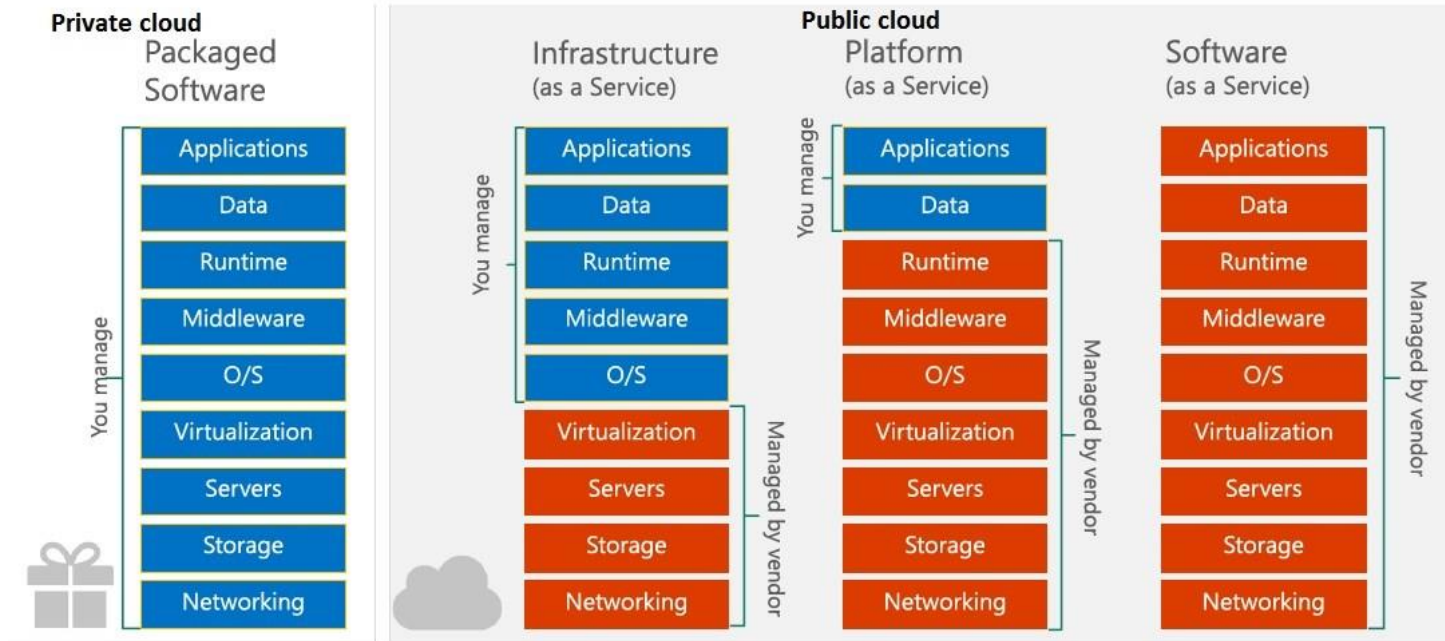


- Glavni problemi današnjeg razvoja bilo kojeg proizvoda, a posebno u IT-u:
 - Brzina isporuke
 - Stabilno okruženje
 - Nepoznavanje želja i potreba unaprijed
 - Promjene, promjene, promjene
- Glavni izazovi u IT-u danas :
 - Concept to cash
 - Time to market
- Plan je NIŠTA, planiranje je SVE!
- Izazovi:
 - Smanjiti probleme
 - Ostati konkurentan
- Što je zajedničko: Uberu, Spotify, AirBNB, Apple Pay...?

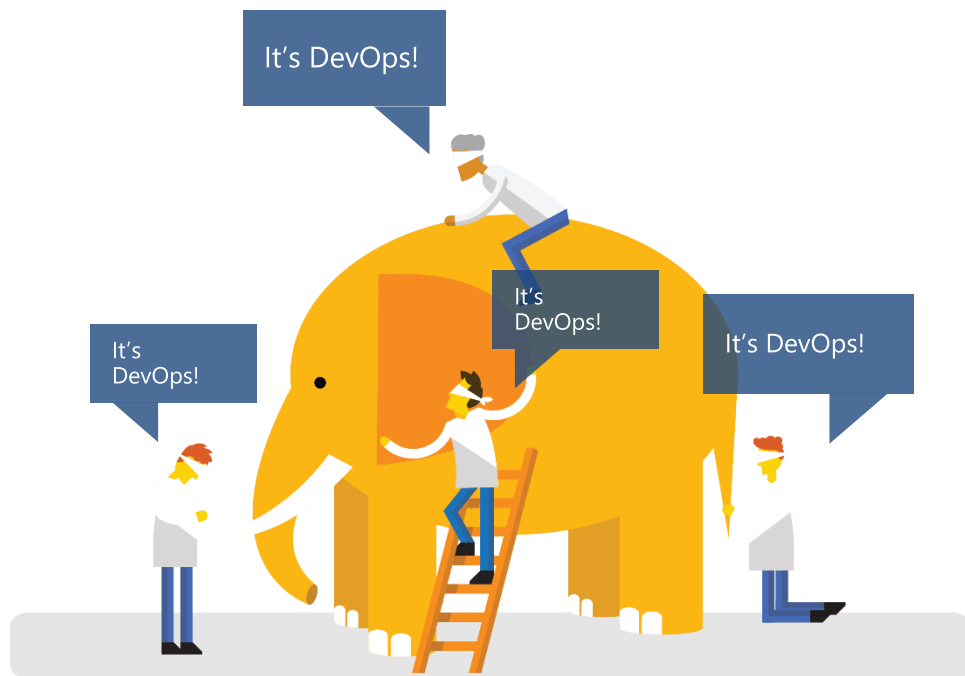
UBIJAJU TRADICIONALNI NAČIN POSLOVANJA



COMPANY	DEPLOY FREQUENCY	DEPLOY LEAD TIME	RELIABILITY	CUSTOMER RESPONSIVENESS
Amazon	23,000/day	minutes	high	high
Google	5,500/day	minutes	high	high
Netflix	500/day	minutes	high	high
Facebook	1/day	minutes	high	high
Twitter	3/week	minutes	high	high
Typical enterprise	once every 9 months	months or quarters	low/medium	low/medium









“DevOps is the union of people, process, and products to enable continuous delivery of value to our end users.”

- *Donovan Brown*



- DevOps je prvenstveno:
 - Nova kultura
 - Novi način razmišljanja

PROJECT EXECUTION METHODOLOGIES – THE CHANGE

WATERFALL



AGILE

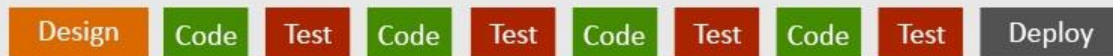


PROJECT EXECUTION METHODOLOGIES – THE CHANGE

WATERFALL

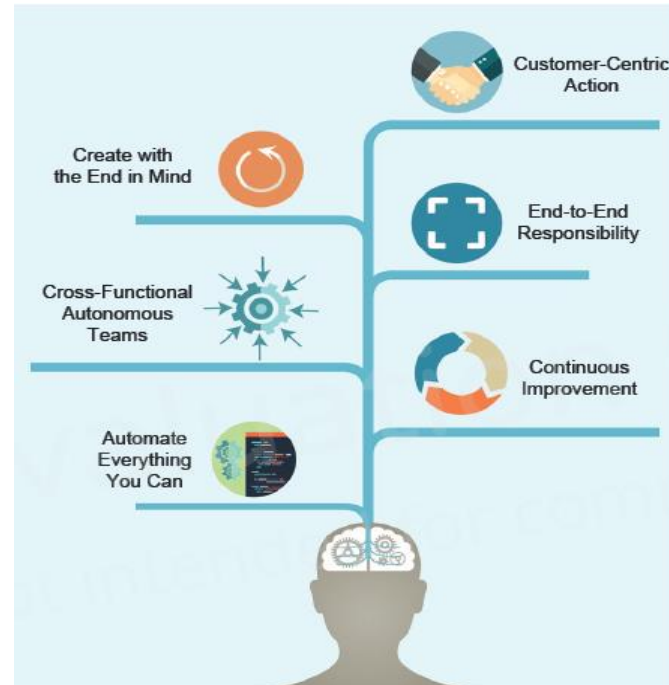


AGILE

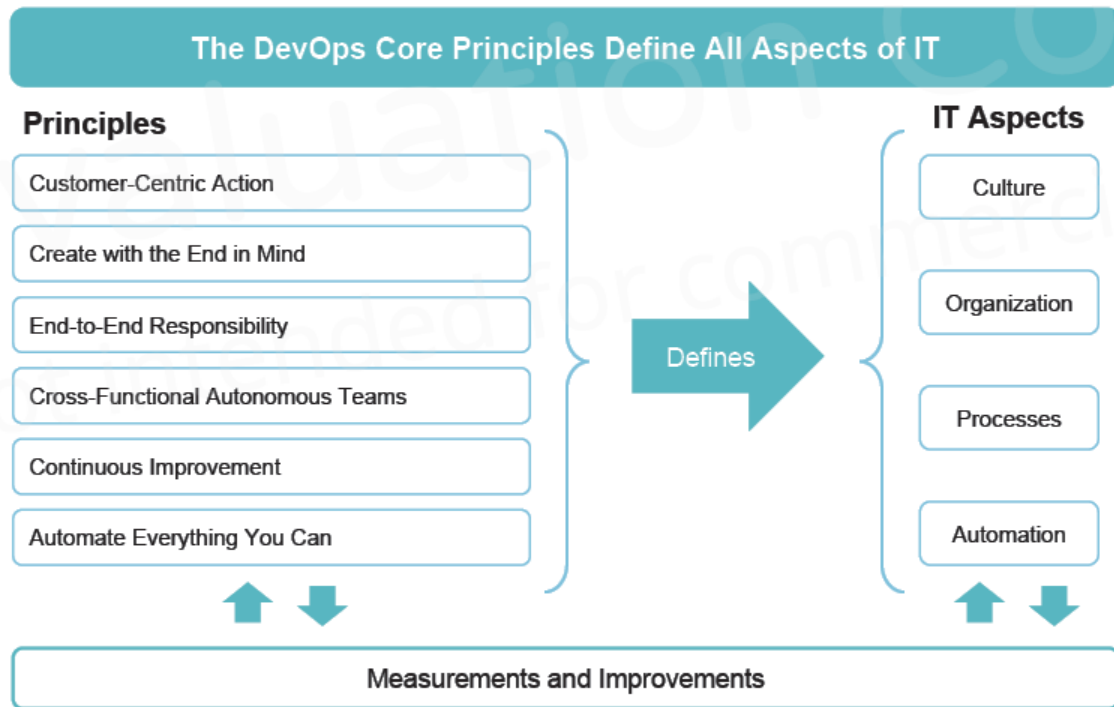


DEVOPS





- Osnovni principi DevOps-a:





- Agility

Roles

- Product owner
- ScrumMaster
- Team

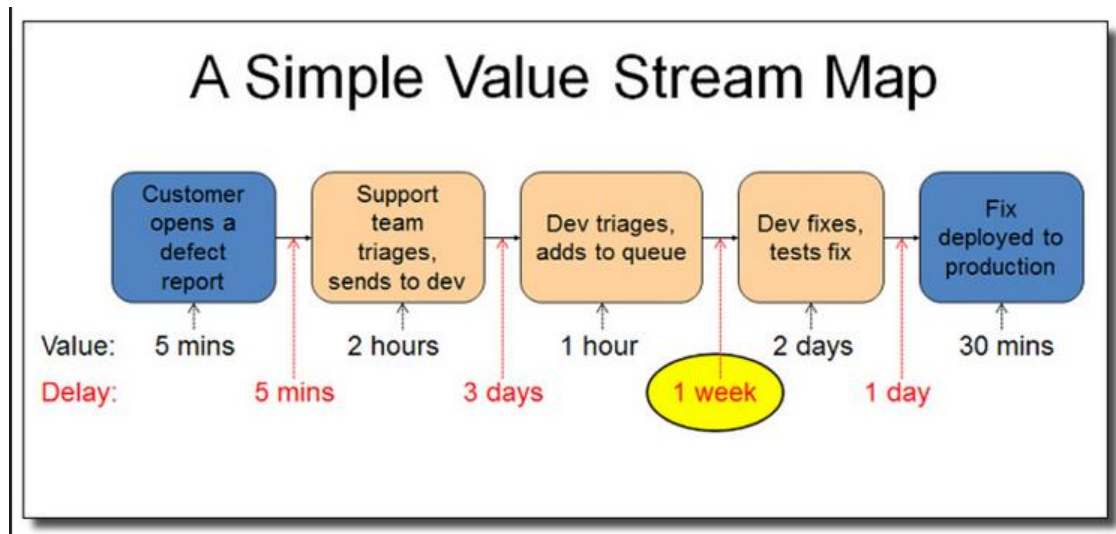
Ceremonies

- Sprint planning
- Sprint review
- Sprint retrospective
- Daily scrum meeting

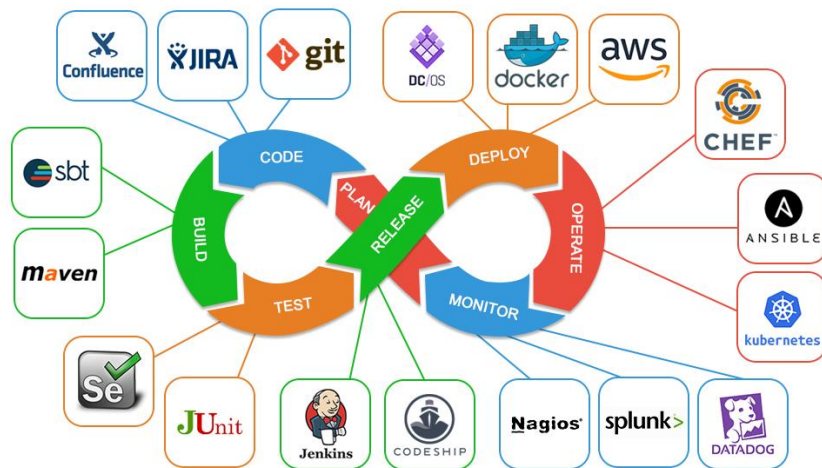
Artifacts

- Product backlog
- Sprint backlog
- Burndown charts

- Lean – eliminate waste



- Automatizacija – automatizirajte sve što je moguće





- Continuos delivery
- Continuous integration
- Continuous deployment

“Continuous Delivery is **about putting the release schedule in the hands of the business, not in the hands of IT.** Implementing Continuous Delivery means making sure your software is always production ready **throughout its entire lifecycle – that any build could potentially** be released to users at the touch of a button using a fully automated process in a matter of seconds or minutes.

Continuous Integration

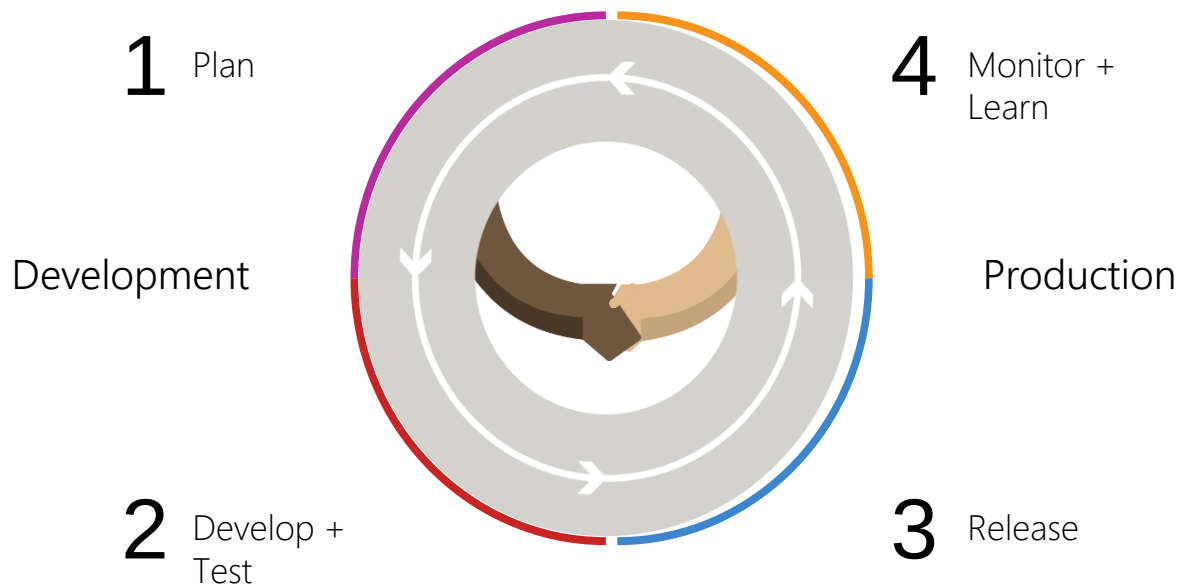
Continuous Integration usually refers to integrating, building, and testing code within the development environment.

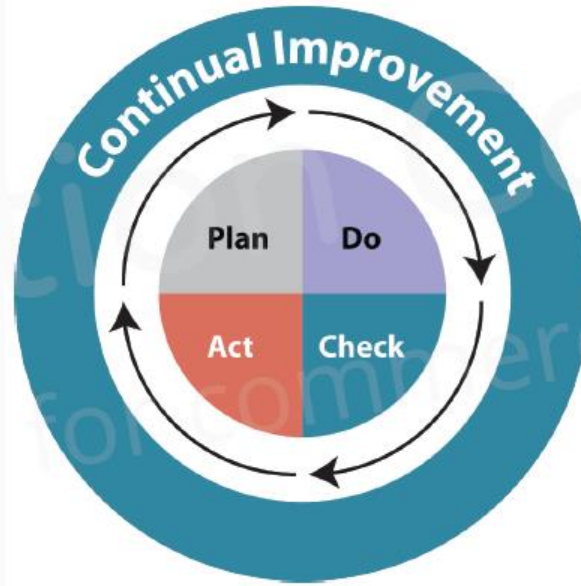
Martin Fowler

Continuous Deployment

Continuous Deployment is subtly different to Continuous Delivery in that release are automatically pushed into production when all tests pass. In Continuous Delivery release is a human decision.

Source: Dave Farley







- DevOps je potpuno novi način **razmišljanja**
- DevOps je potpuno novi način organizacije
- DevOps je potpuno novi način rada
- DevOps ne poznaje odjele unutar IT-a, a pogotovo DEV i OPS
- DevOps mora biti prepoznat od managementa inače je osuđen na propast
- DevOps se uvodi korak po korak, jer mijenja navike
- DevOps uvođenje zahtjeva vrijeme i strpljenje

FAIL FAST

LEARN FASTER



- Project Manageri starog kova i Project Management kako se (još uvijek) danas koriste su – **M R T V I**
- Ili će se prilagoditi ili će morati naći novi posao
- Jednako vrijedi za sve IT firme!

Pitanja?



DA LI VAM SE SVIDJELO OVO PREDAVANJE?

Ocijenite ga i osvojite vrijedne nagrade!

Ocjenjivanje predavanja kojima ste prisustvovali je moguće na dva načina:

1. Posjetom web stranici

<https://www.networkkonferencija.ba/profile/evaluation> vršite evaluaciju u sklopu svog korisničkog profila.

2. Ocijenite predavanja kroz konferencijske mobilne aplikacije pod nazivom NetWork Conference koje su dostupne za Android i iOS mobilne uređaje.

U oba slučaja potrebno je prijaviti se sa korisničkim računom sa kojim ste se registrovali za učešće na konferenciji.

Ispunjavanjem upitnika, pomažete Organizatoru u organizaciji narednih konferencija.



Hvala!