



DevOps e entrega contínua

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Definição de DevOps

DevOps is a collaborative and multidisciplinary effort within an organization to automate continuous delivery of new software versions, while guaranteeing their correctness and reliability

(LEITE *et al.*, 2019)

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Entre Devs e Ops

Antes o ágil ficava só nos devs

DevOps

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Cultura de colaboração!

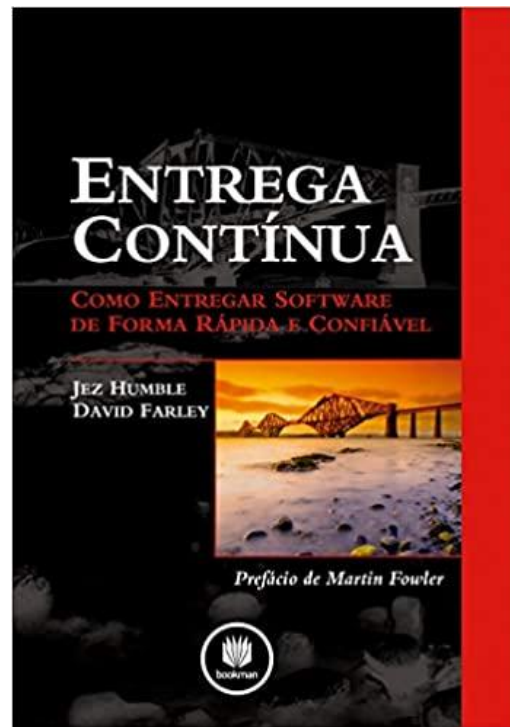
DevOps

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Entrega contínua

- Any software version committed to the repository must be a production-candidate version
- After passing through stages, such as compilation and automated tests, the software is sent to production by the press of a button

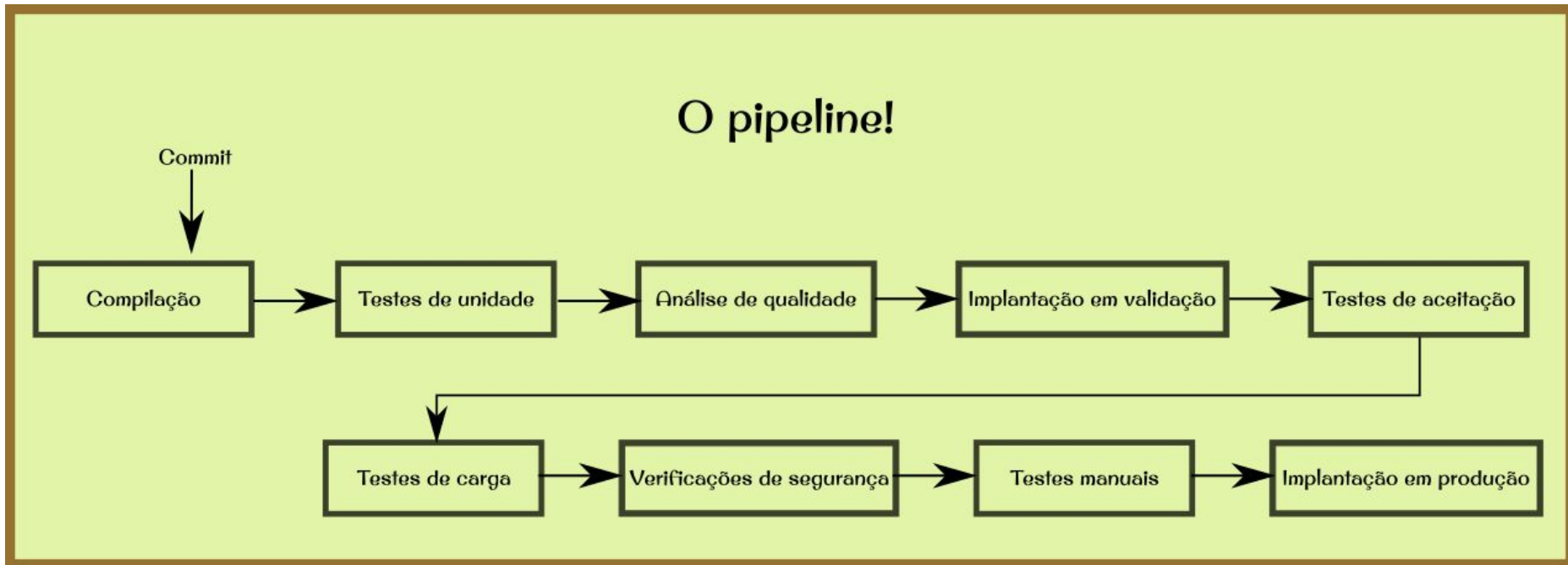
CAMS



Entrega contínua

O deploy se torna chato!

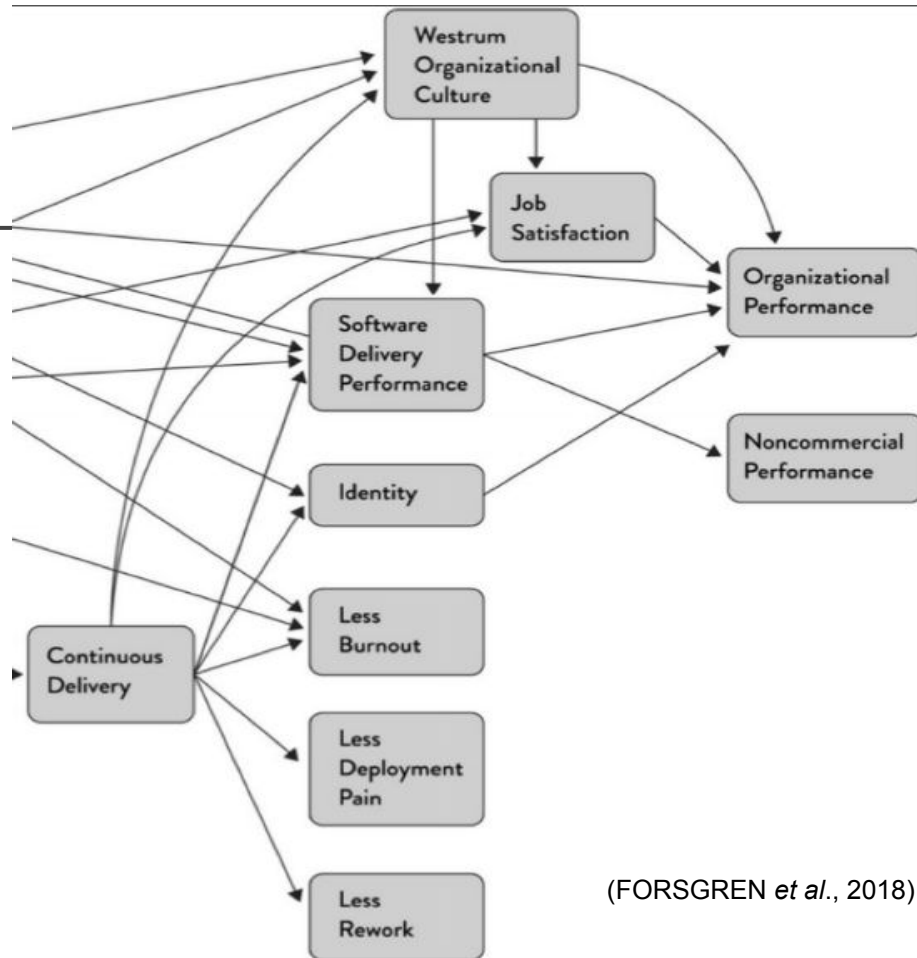
Entrega contínua



Entrega contínua

 passed	#46529 by  latest	 master  16df3408  1641872 Melhorias para ...		 00:09:14  3 days ago
 passed	#46522 by 	 master  246bb7ac  1641872 Melhorias para ...		 00:06:19  5 days ago
 passed	#46517 by 	 master  5ec9a878  1641872 Melhorias para ...		 00:06:41  5 days ago

Entrega contínua



(FORSGREN *et al.*, 2018)

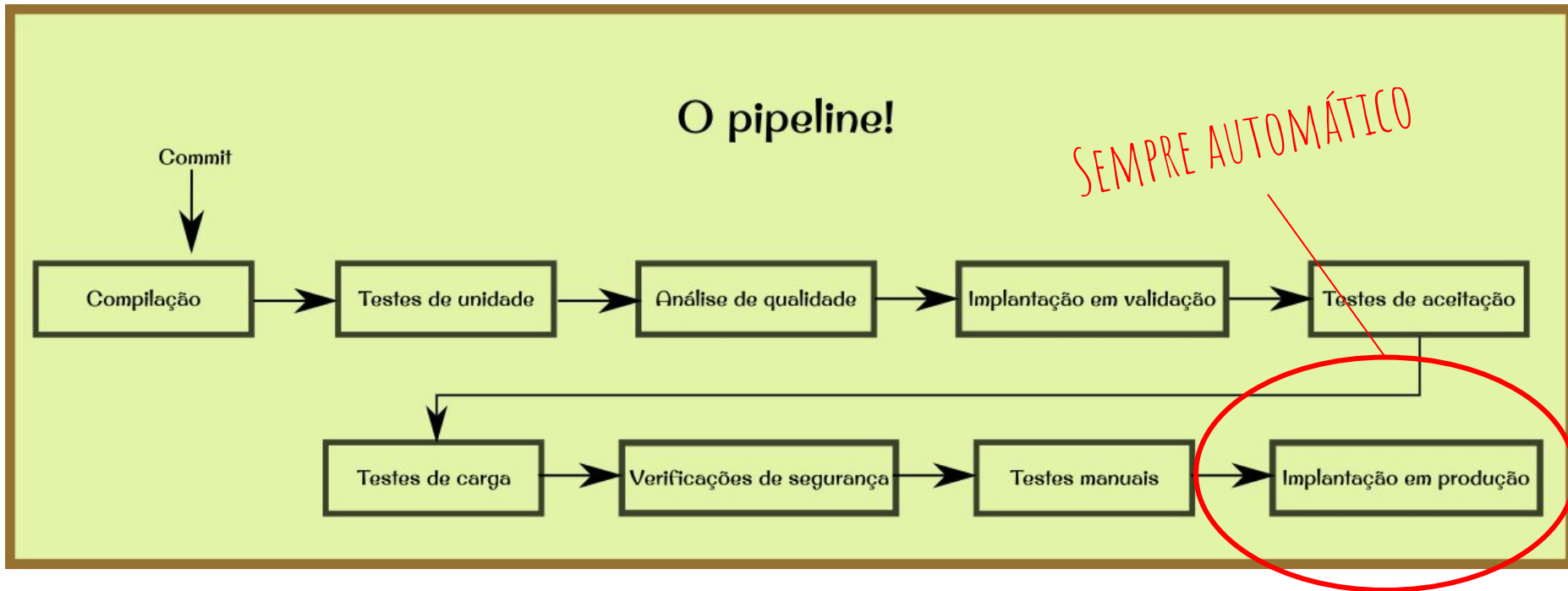
Delivery performance

- Frequência de implantação
- Tempo de entrega
- Tempo de recuperação
- Frequência de falhas

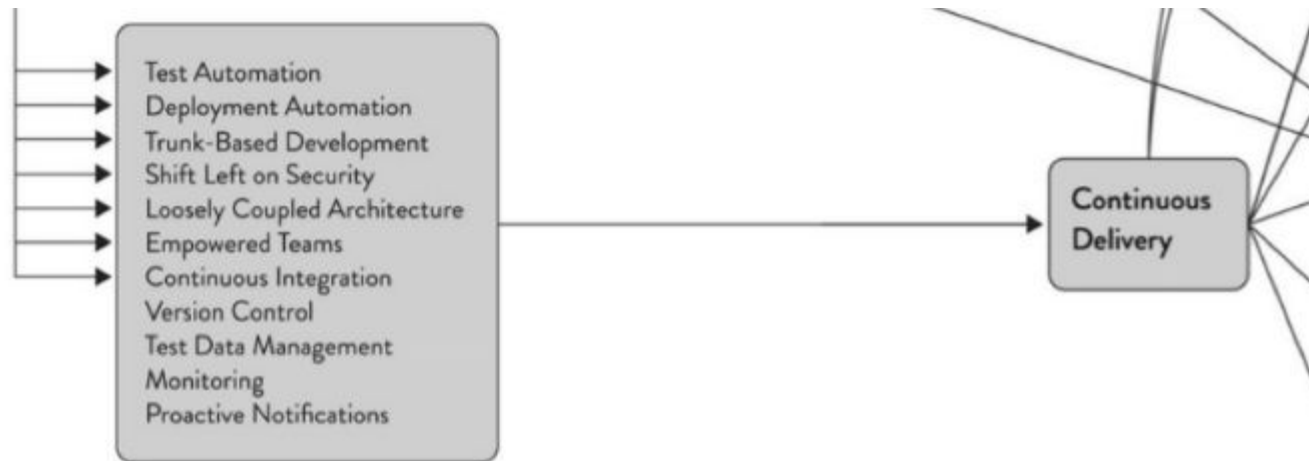
(FORSGREN *et al.*, 2018)

I.e.: o quão bem você consegue fazer entrega contínua

Implantação contínua



Práticas - Entrega Contínua



(FORSGREN *et al.*, 2018)

Integração contínua

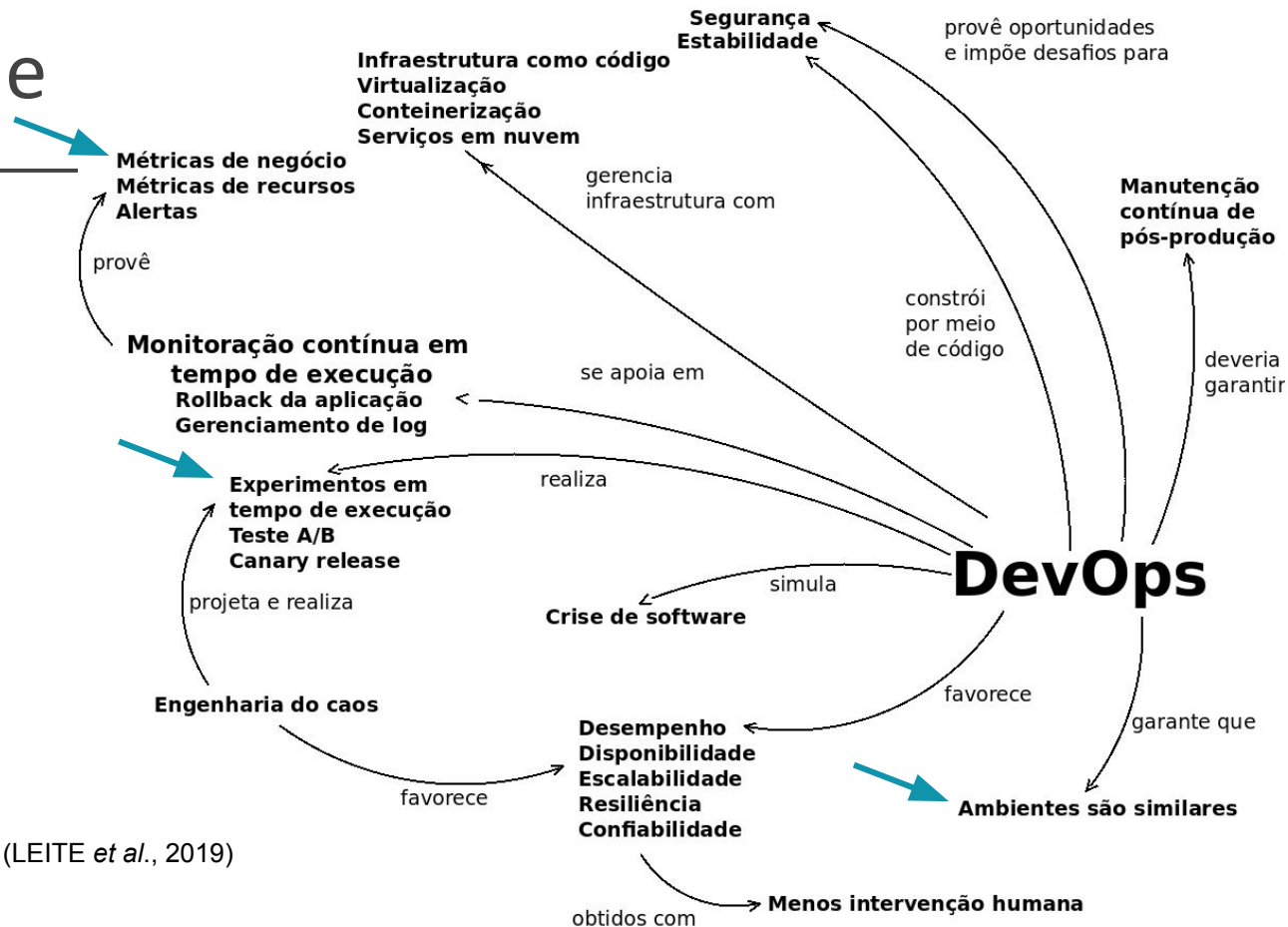
- Integrate and test changes after no more than a couple of hours
- Team programming isn't a divide and conquer problem
- It's a divide, conquer, and integrate problem
- The integration step is unpredictable
- The longer you wait to integrate, the more it costs

(BECK and ANDRES, 2004)

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Práticas Runtime



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