

What is DevOps?

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What is DevOps?



99.9% UP



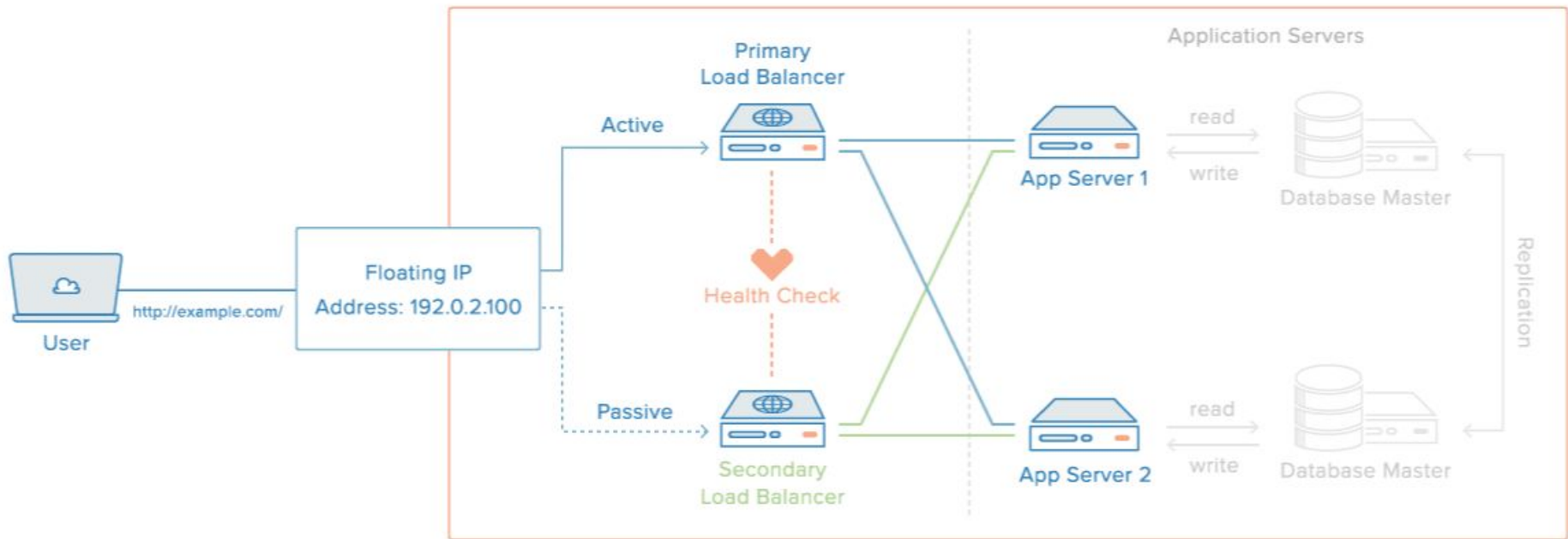
What is DevOps?

“**DevOps** integrates **developers** and **operations** teams in order to **improve collaboration** and **productivity** by **automating infrastructure** and **workflows** whilst **continuously measuring** application **performance**.”

DevOps Goals

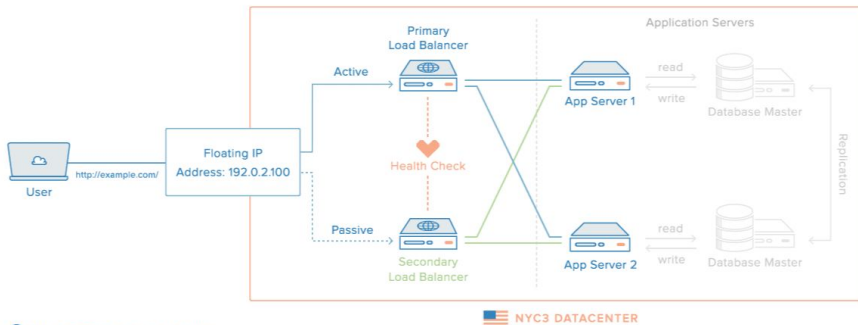
- Innovate faster
- More responsive to business needs
- Better collaboration
- Better quality
- More frequent releases

Infrastructure

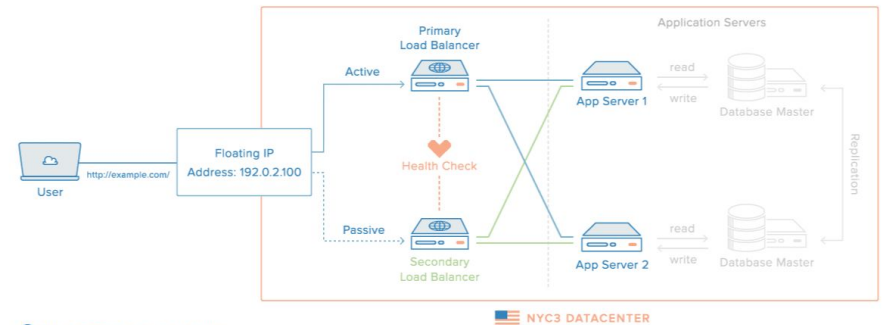


- 1 Active/Passive Cluster is healthy
- 2 Primary node fails
- 3 Floating IP is assigned to Secondary node

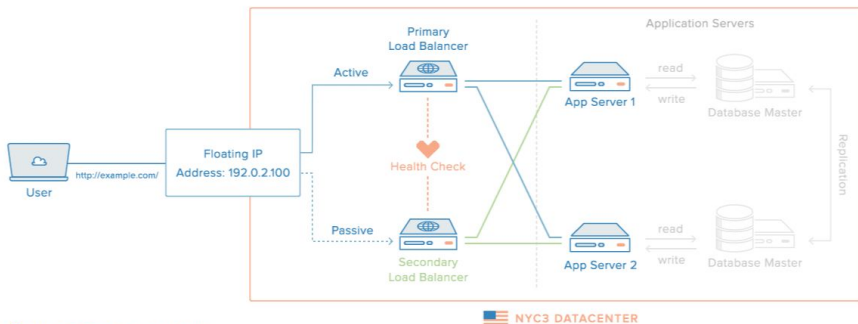
Infrastructure grows...



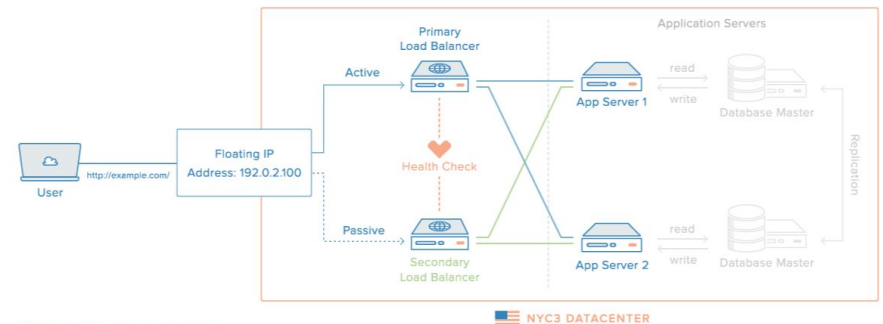
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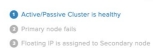
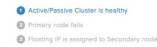


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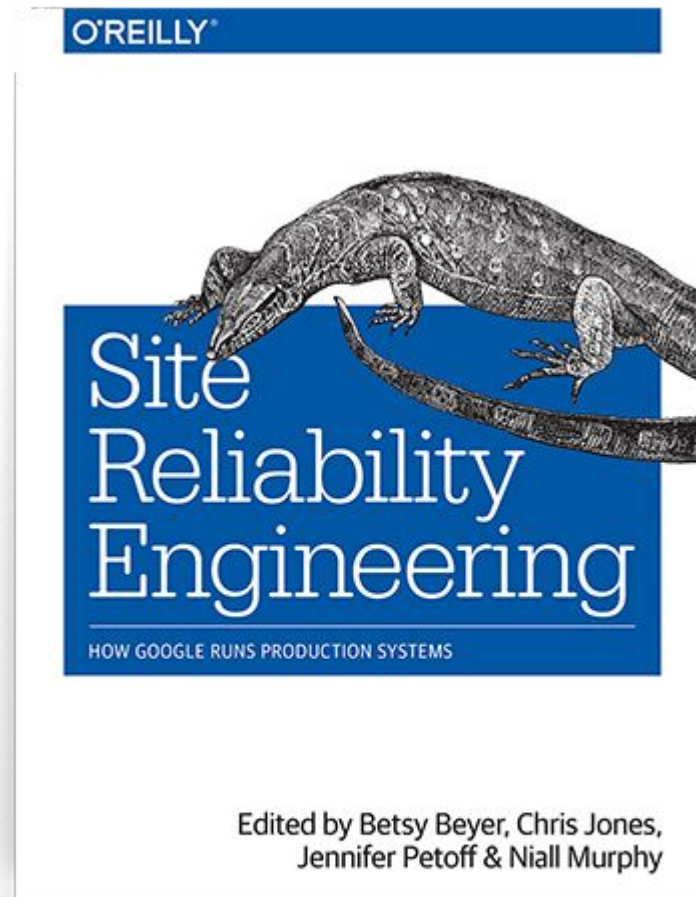


Automation

- Automate Testing
- Automate Deployment
- Automate Workflows
- Automate Infrastructure

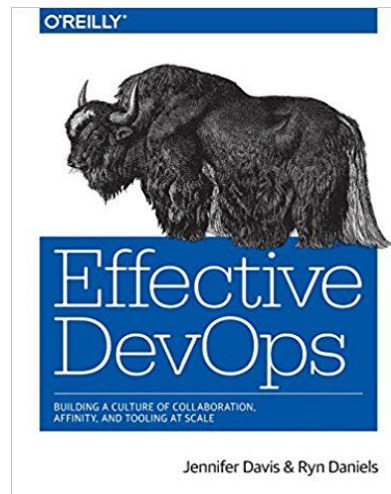
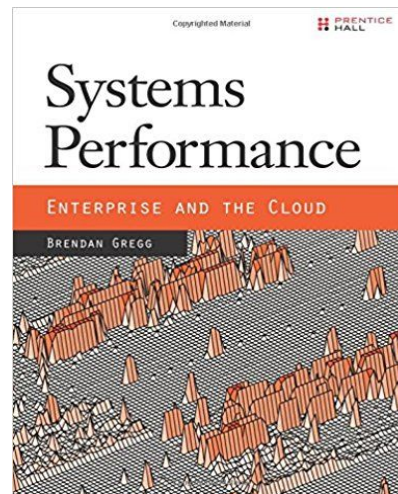
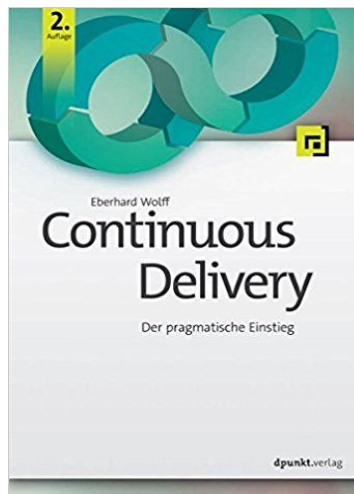
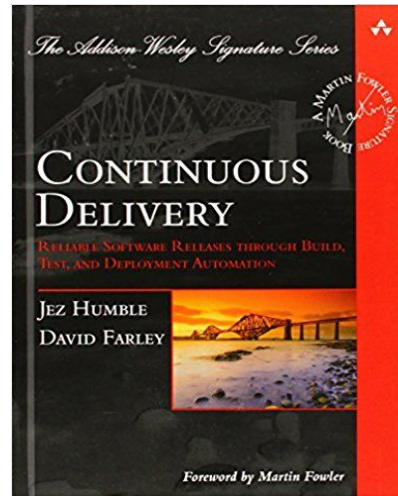
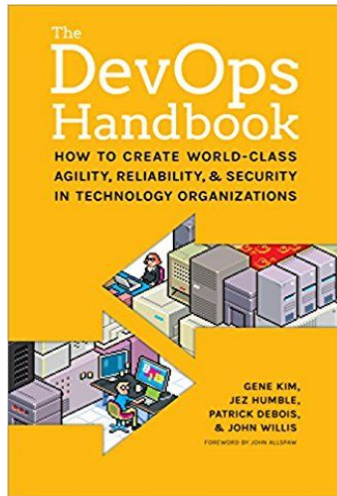
→ Automate Everything

SRE Site Reliability Engineering



`class SRE implements DevOps`

Books



Podcasts

- [Arrested DevOps](#)
- [The New Stack](#)
- [DevOps Café](#)
- [DevOps Chat](#)
- [DevOps Radio](#)
- [DevOps Podcasts](#)

Conferences

- [Devops Gathering](#)
- [DevOpsCon](#)
- [GotoDevOps Conference List](#)

DevOps Formula

$$\text{DevOps} = \text{Mindset} + \text{Skills} + \text{Tools}$$

- Mindset
 - Break down Silos, Collaborate, Engage, Culture
- Skills
 - Automation, Lean Systems Engineering
- Tools
 - Infrastructure as Code, Provisioning, Monitoring