

Software Engineering Services

Deployment: Fast, Fine, Elastic

Alex Burym





Hi there. I'm Alex Burym





- 10+ years of diverse experience in IT
- CI/CD
- DevOps
- Cloud Computing
- Networking
- Process Automation

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Plan

- What about this K8s, anyhow?
- ECS vs K8s
- AWS EKS!
- Let's rock!



Conclusion



Infrastructure as Code или Terraform-им AWS для типичного web-приложения

Flashback...





Software Engineering Services

Deployment: Fast, Fine, Affordable

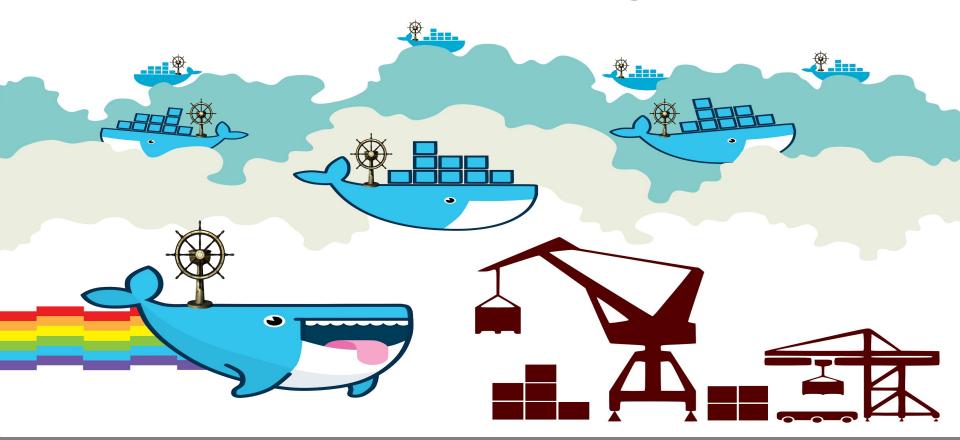
Alex Burym



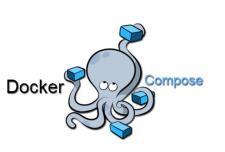
Алексей Бурим iTechArt, DevOps Engineer

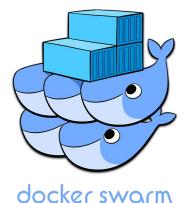
:iTechArt

Jan 26, 2019



CONTAINERS ORCHESTRATION EVOLUTION





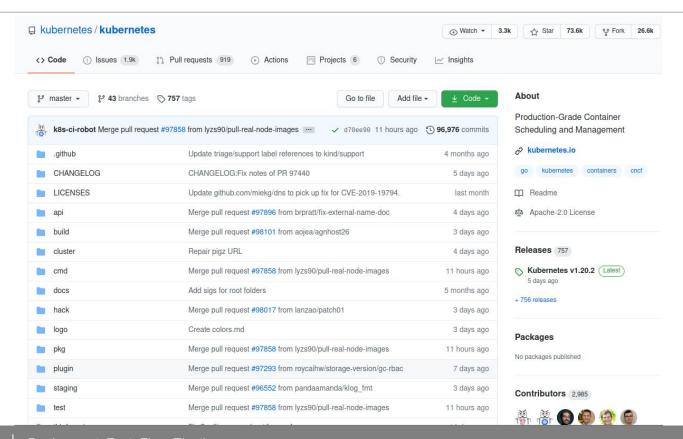






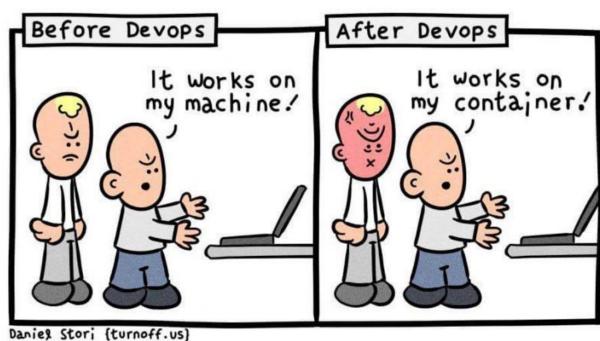


- Initial release:7 June 2014
- Repository: https://github.com/kubernetes/kubernetes
- Written in:Go
- License: Apache License 2.0
- Website: https://kubernetes.io
- Hosted by:Cloud Native Computing Foundation(CNCF)

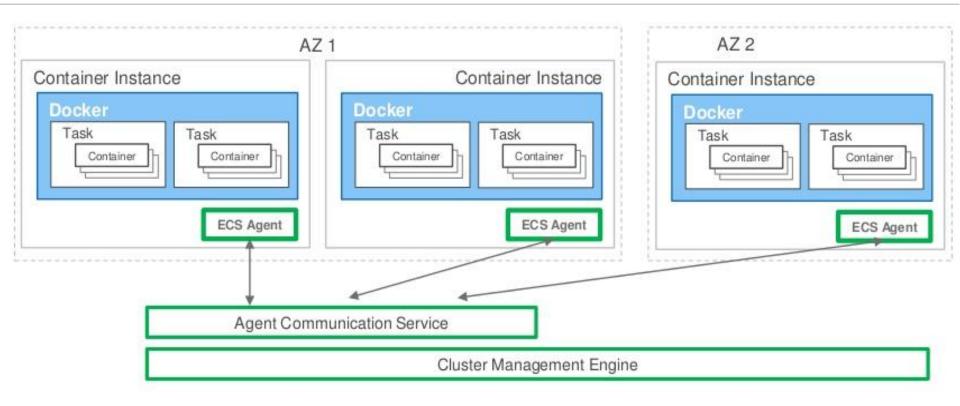


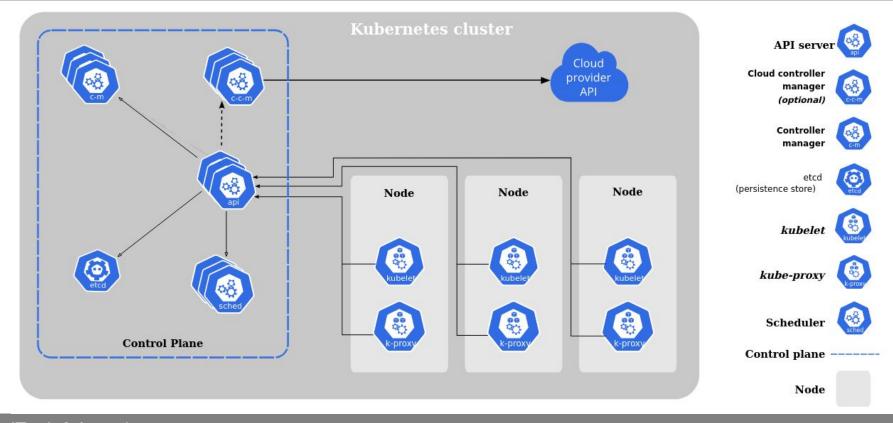






It works on my machine...



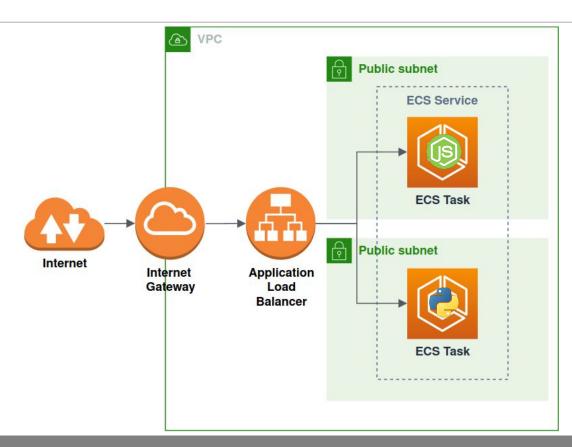


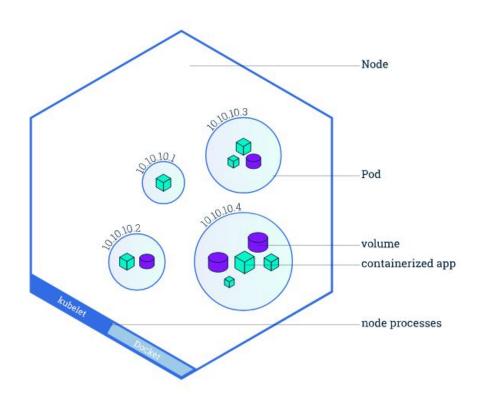
ECS:

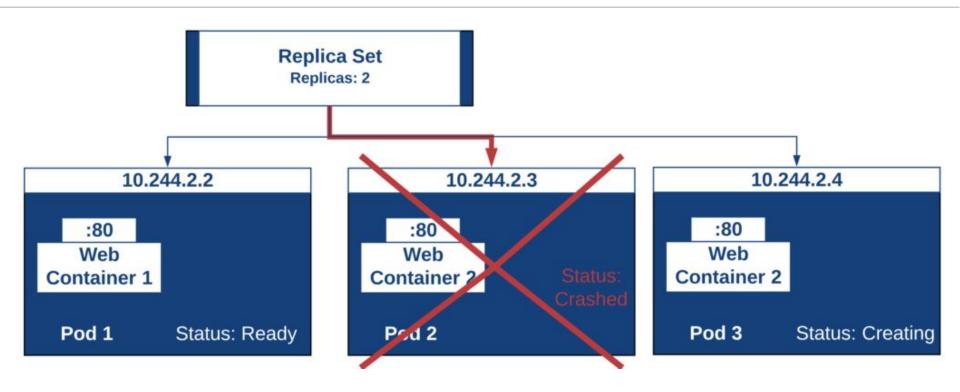
- Task Definition
- Service

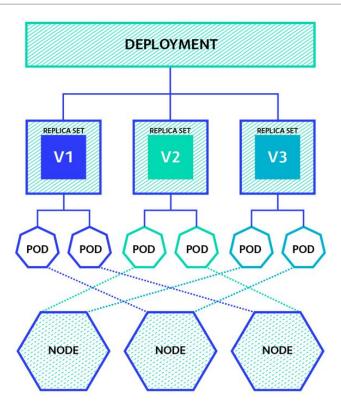
K8s:

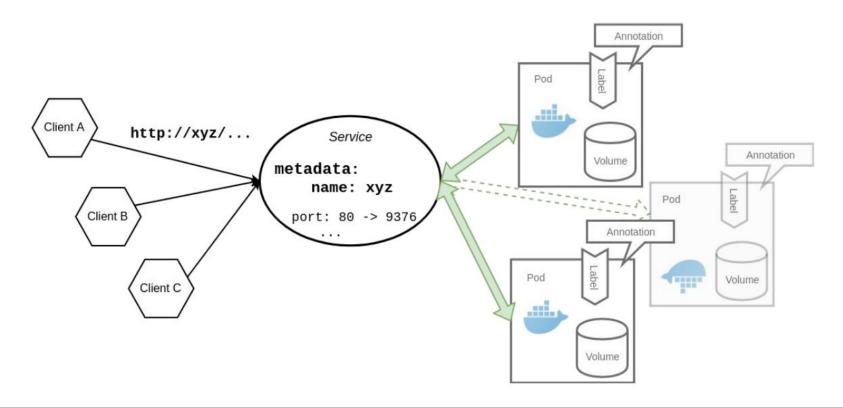
- Pod
- Replica Set
- Deployment
- Service

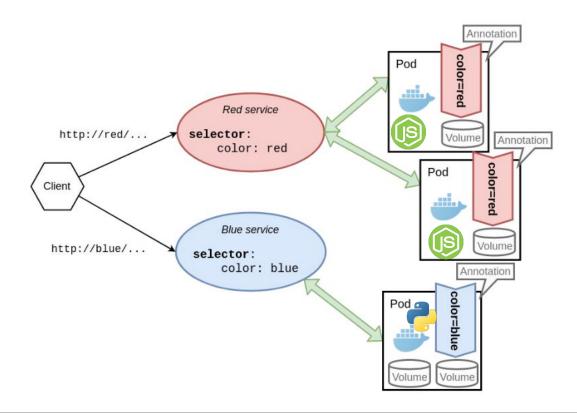


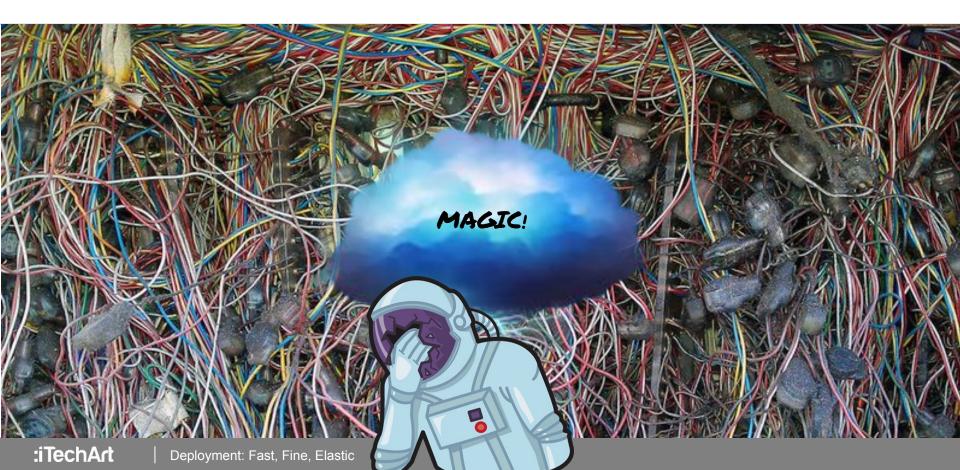


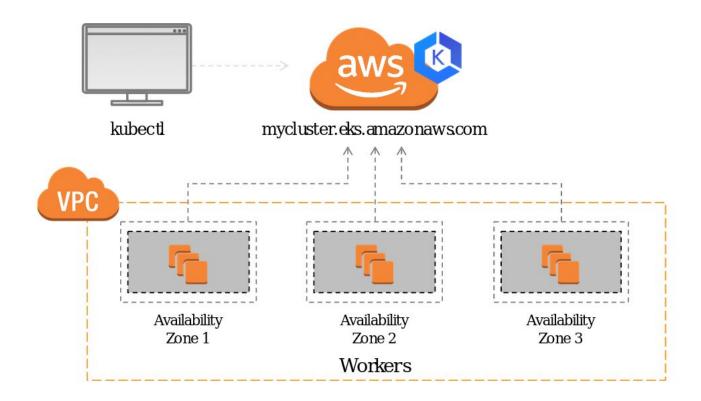




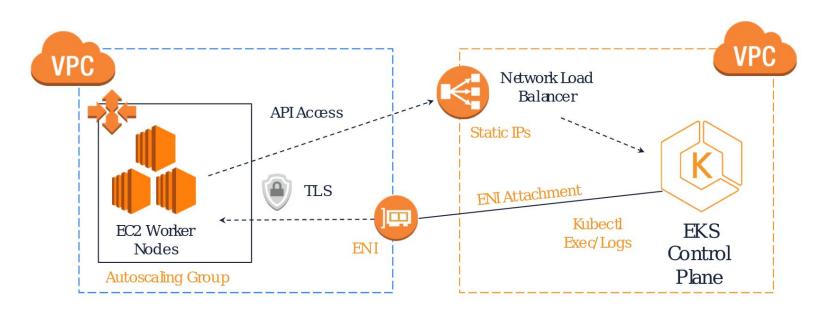




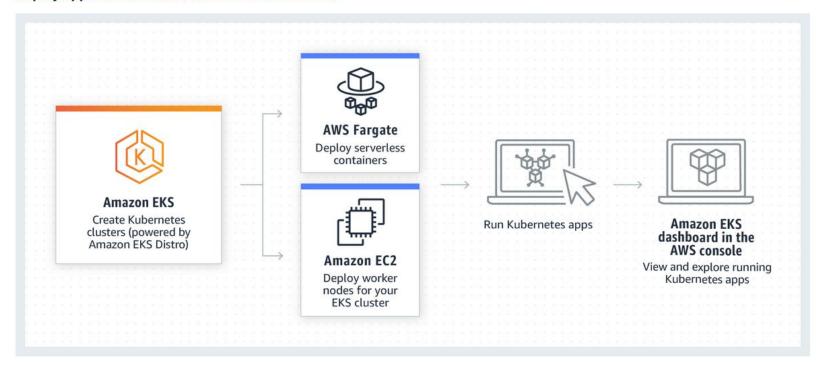


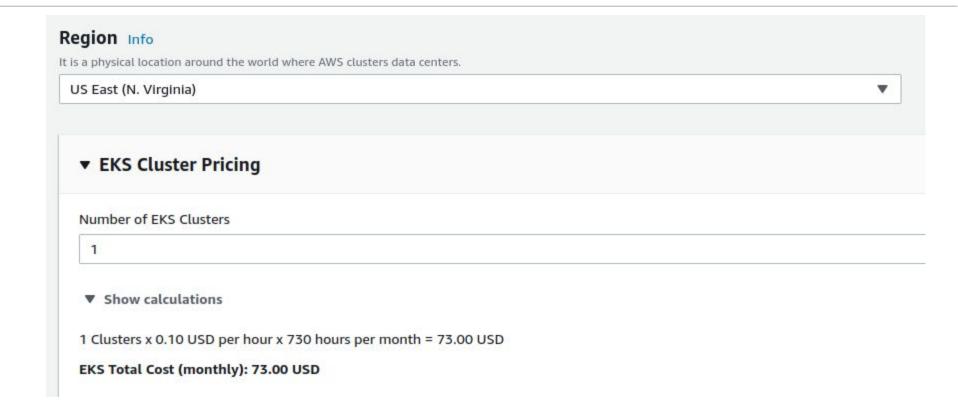


EKS ARCHITECTURE FOR CONTROL PLANE AND WORKER NODE COMMUNICATION



Deploy applications with Amazon EKS in the cloud

































































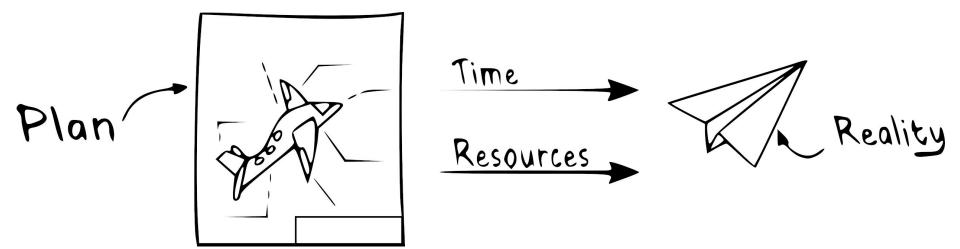






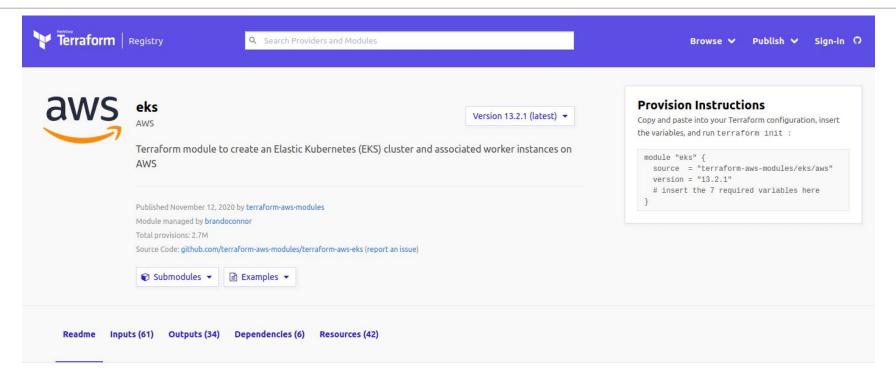






Let's rock!

Let's rock!



terraform-aws-eks

Useful links

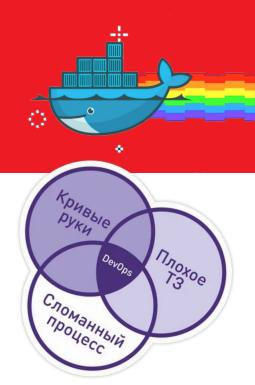


Show notes: https://be34.me/show-notes

- 1. https://www.youtube.com/watch?v=pgfercQz_ko Terraform-им AWS
- 2. https://www.youtube.com/watch?v=hDVWGOYoets Fast, Fine, Affordable
- 3. https://github.com/antonbabenko/terraform-best-practices
- 4. https://learnk8s.io/terraform-eks
- 5. https://github.com/eng-Zubr/AWS-EKS-launchpad

Conclusion

May the Cloud be with you!





Thank you!

→ Questions?

