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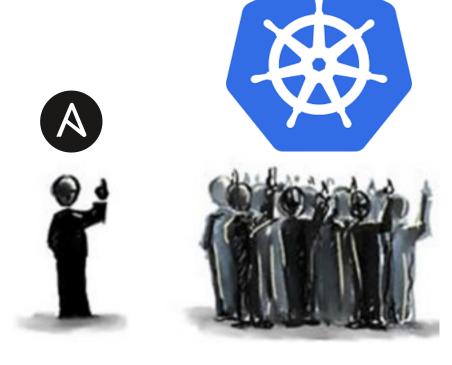




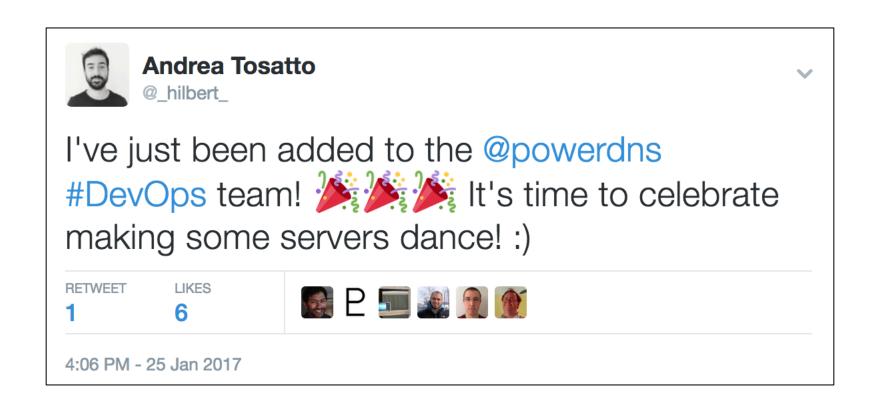




Why this talk?!



\$ whoami



Agenda

- 1. Kubernetes? Why? What?
- 2. Ansible for Kubernetes
 - Implementing Kubernetes
 - Migrating existing services to Kubernetes
 - o Managing the lifecycle of Kubernetes applications with Ansible

3. Questions

Kubernetes?

Why? What?

1. Decoupling between the work of Devs and Ops

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- 2. High level abstraction on the infrastructure

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- 2. High level abstraction on the infrastructure
- 3. Integrated state reconciliation mechanism



Gabriele Santomaggio • 2nd

RabbitMQ expert, Kubernetes / OpenStack Middleware modules 4d • Edited

lo: Non so scrivere applicaizoni multi-core

Esperto: Scrivi tanti micro-servizi

lo: Non so scrivere applicazioni stabili

Esperto: metti il microservizio dentro docker che se va in crash lo riavvia

lo: Ok bello, di cosa ho bisogno?

Esperto: Allora devi isntallare K8s, poi un sistema di gestione di questi microservizi, serivzi di monitoring per vedere se il cluster k8s funziona, devops, definire servizi di integrazione etc...

lo: Penso che investirò il mio il tempo ad imparare a programmare che mi sembra più economico. #kubernetes

See translation





♠ ② ② 28 · 25 Comments



Jacopo Nardiello • 1st

1d ...

Founder @ SIGHUP, CNCF Ambassador, Core Organizer of the Kuber...

K8s non e' fatto per essere gestito dai singoli. E' pensato per le organizzazione per disaccoppiare il lavoro dei programmatori, dal setup/governance d'infrastruttura di basso livello.

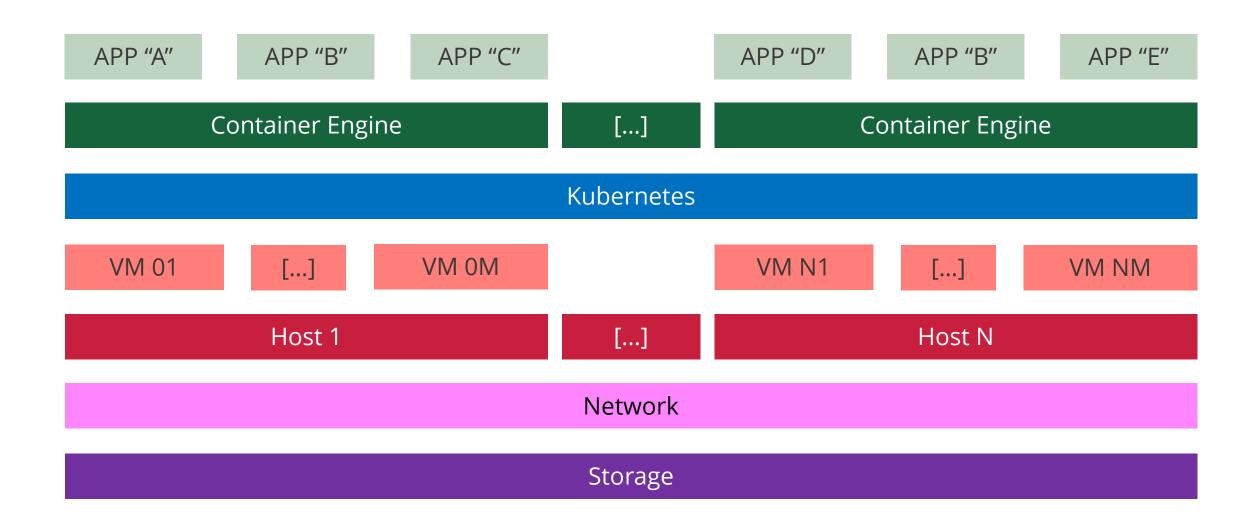
Tu programmatore, continua a programmare a meno che tu non voglia cambiare lavoro. Non e' un caso che l'adoption sia guidata da banche ed enterprise in generale.

See translation

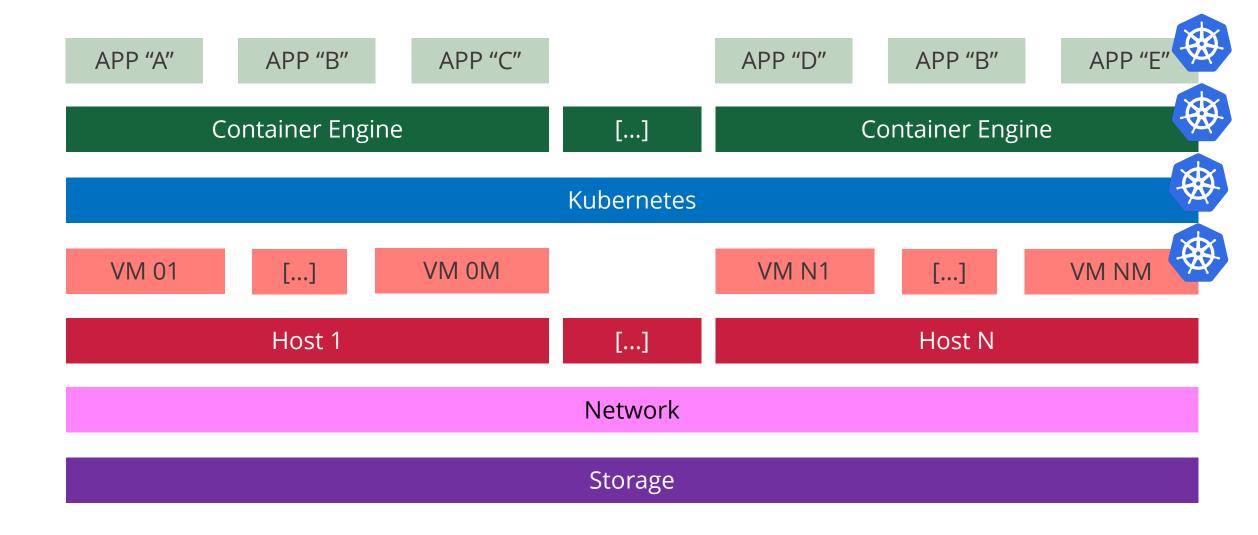


Ansible for Kubernetes

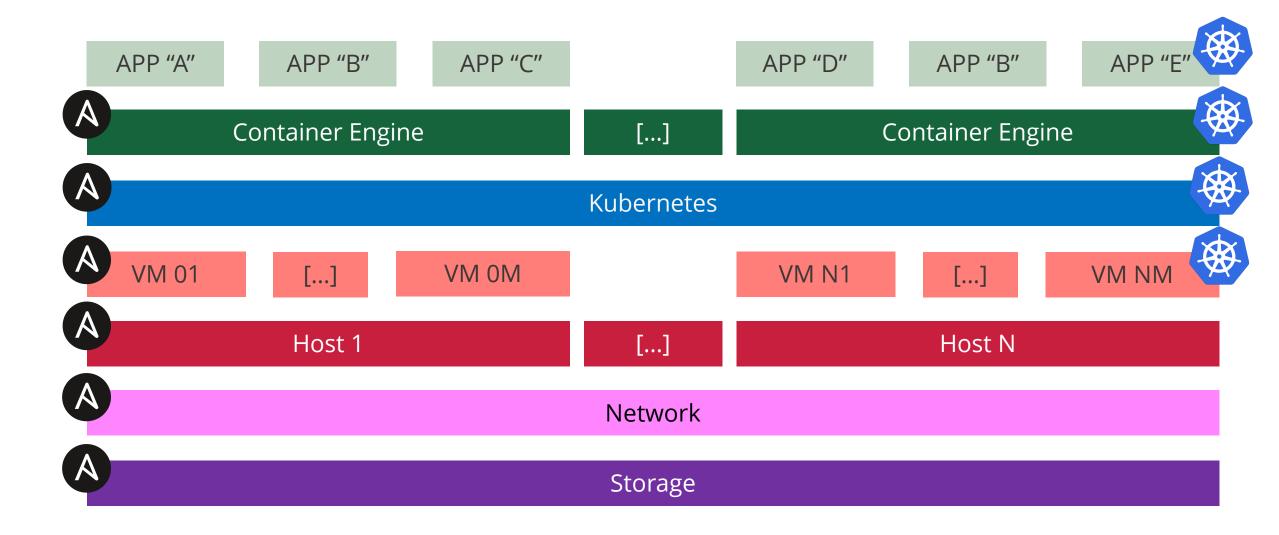
Implementing Kubernetes

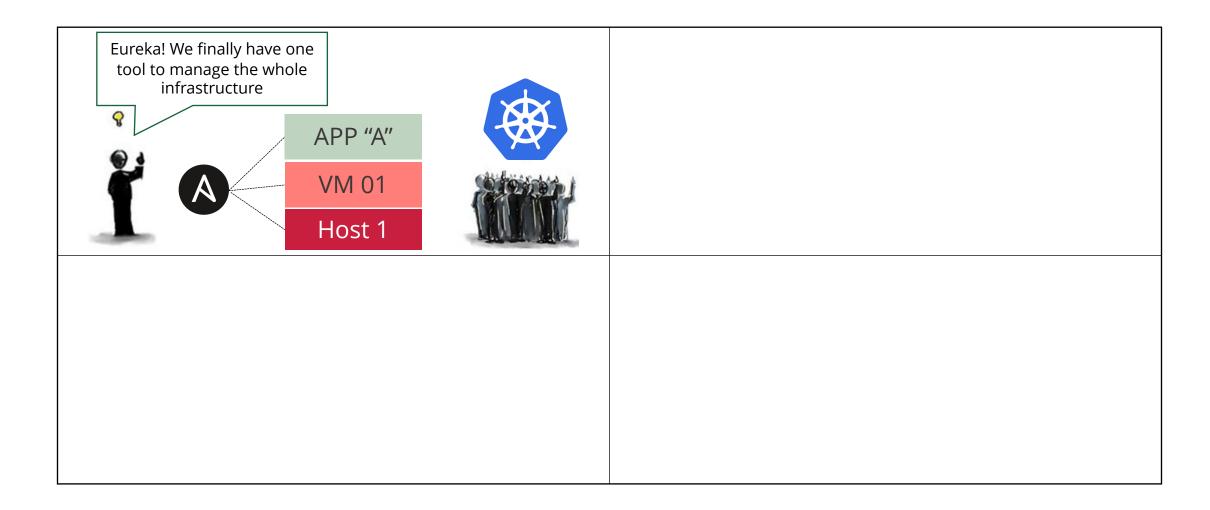


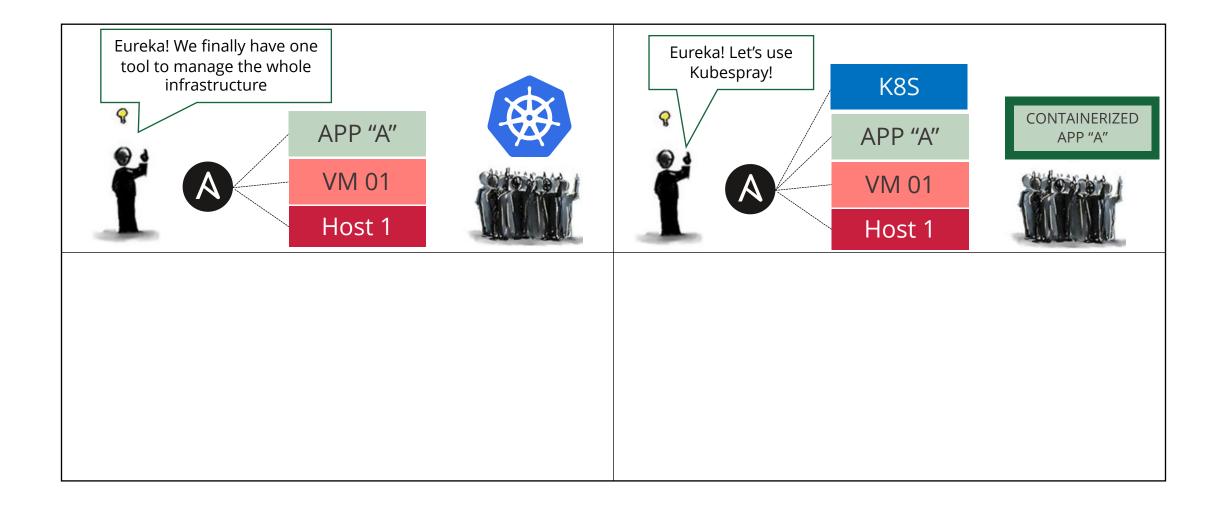
Implementing Kubernetes

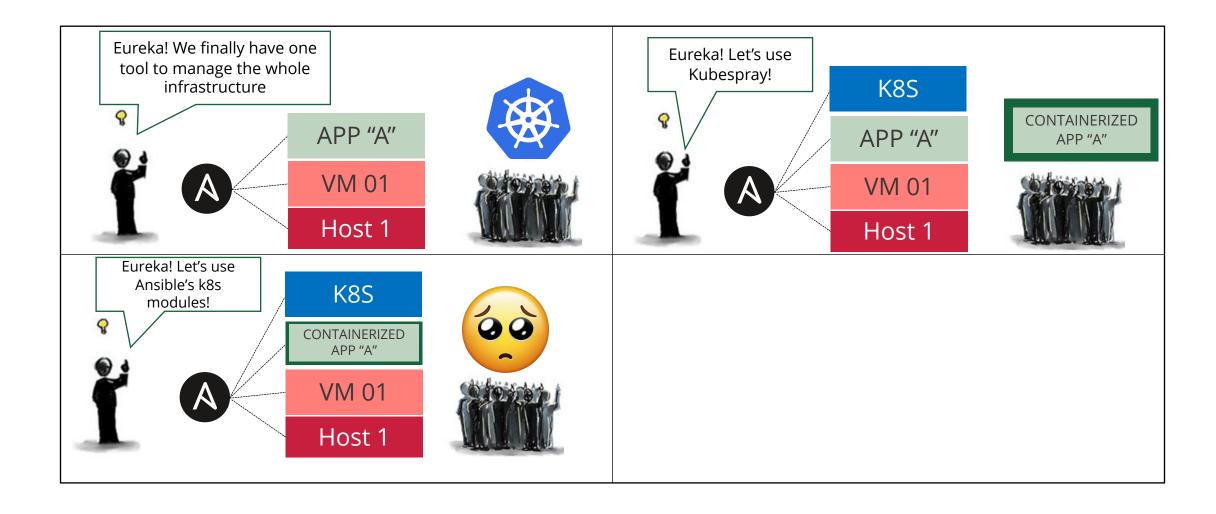


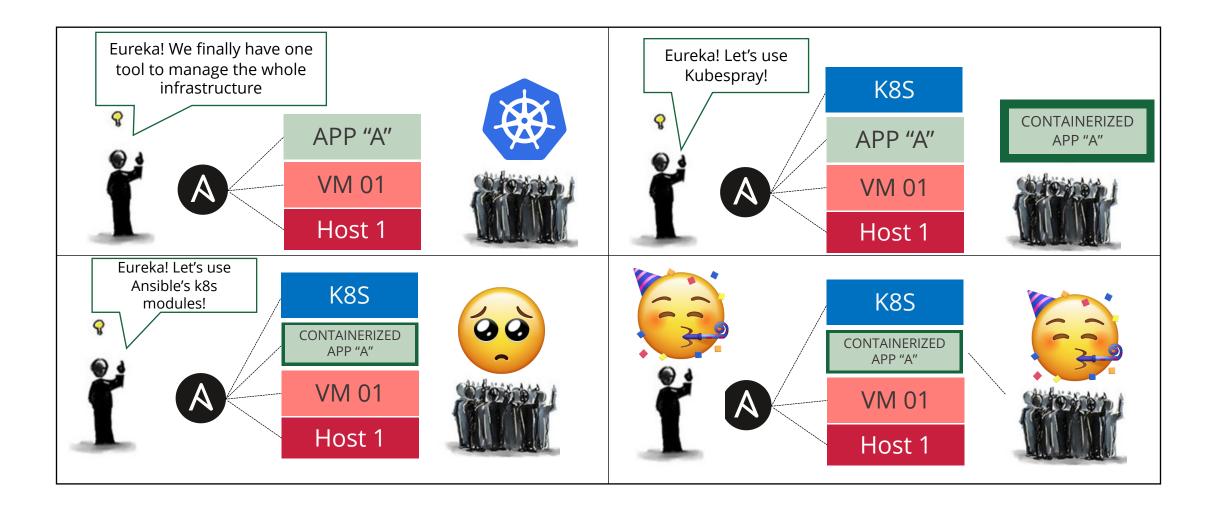
Implementing Kubernetes











Lifecycle management of K8s apps with Ansible

What about legacy applications, stateful service, database migrations, ..?

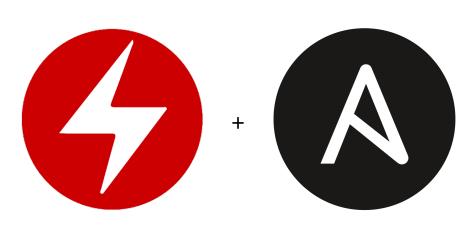






Lifecycle management of K8s apps with Ansible

What about legacy applications, stateful service, database migrations, ..?









Conclusions

Ansible will still play a key role in the management of servers and infrastructure

You don't have to use Kubernetes...

But eventually you might end up doing it!



If I had to do it all over again, I might leverage something like Kubernetes, but it would be hidden underneath some change management system, and would be considered an implementation detail.



Thinking back, I was able to do 95% of what we call Cloud Native with a bunch of VMs, an application server, and configuration management tools.

Once I integrated with the change management process so could the rest of the organization.

2:01 AM · Oct 1, 2019 · Twitter Web App

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Thanks!

Andrea Tosatto



@_hilbert_

OpenInfra Days 2019

References

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