

ReThink of PaaS

Wang Xu (xu@mc2.io) http://www.visualops.io



"All problems in computer science can be solved by another level of indirection."

- David Wheeler



Agenda

- IaaS vs. PaaS
- VisualOps as another PaaS
- Next Step



laaS vs PaaS

IaaS — Ops without Purchase

PaaS — Dev without Ops



What are the Ops includes

- Deploy deploy code and dependency to machines
- Secure secure the setup
- Upgrade continuous deploy
- Fail over recover service when something failed
- Scale scale out/in as load changing



What are the Ops includes

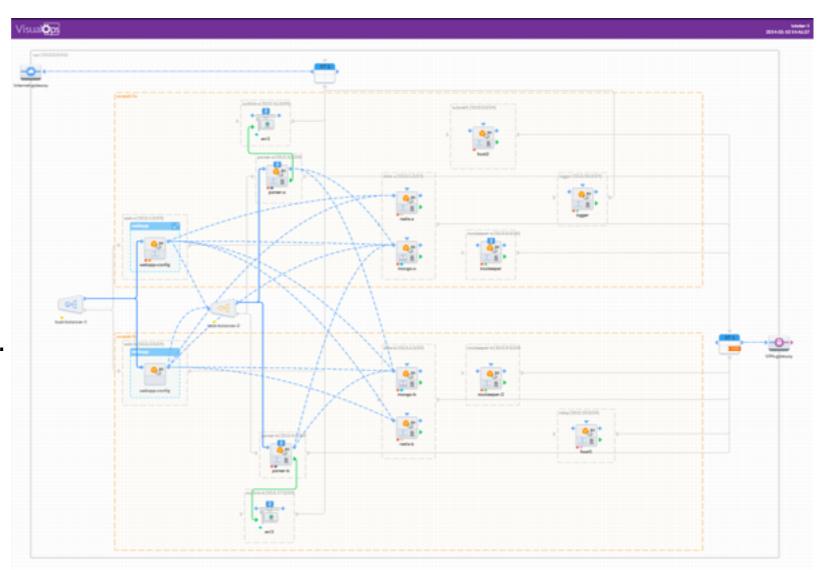
- Deploy deploy code and dependency to machines
- Secure secure the setup
- Upgrade continuous deploy
- Fail over recover service when something failed
- Scale scale out/in as load changing

Ensure service runs as you defined

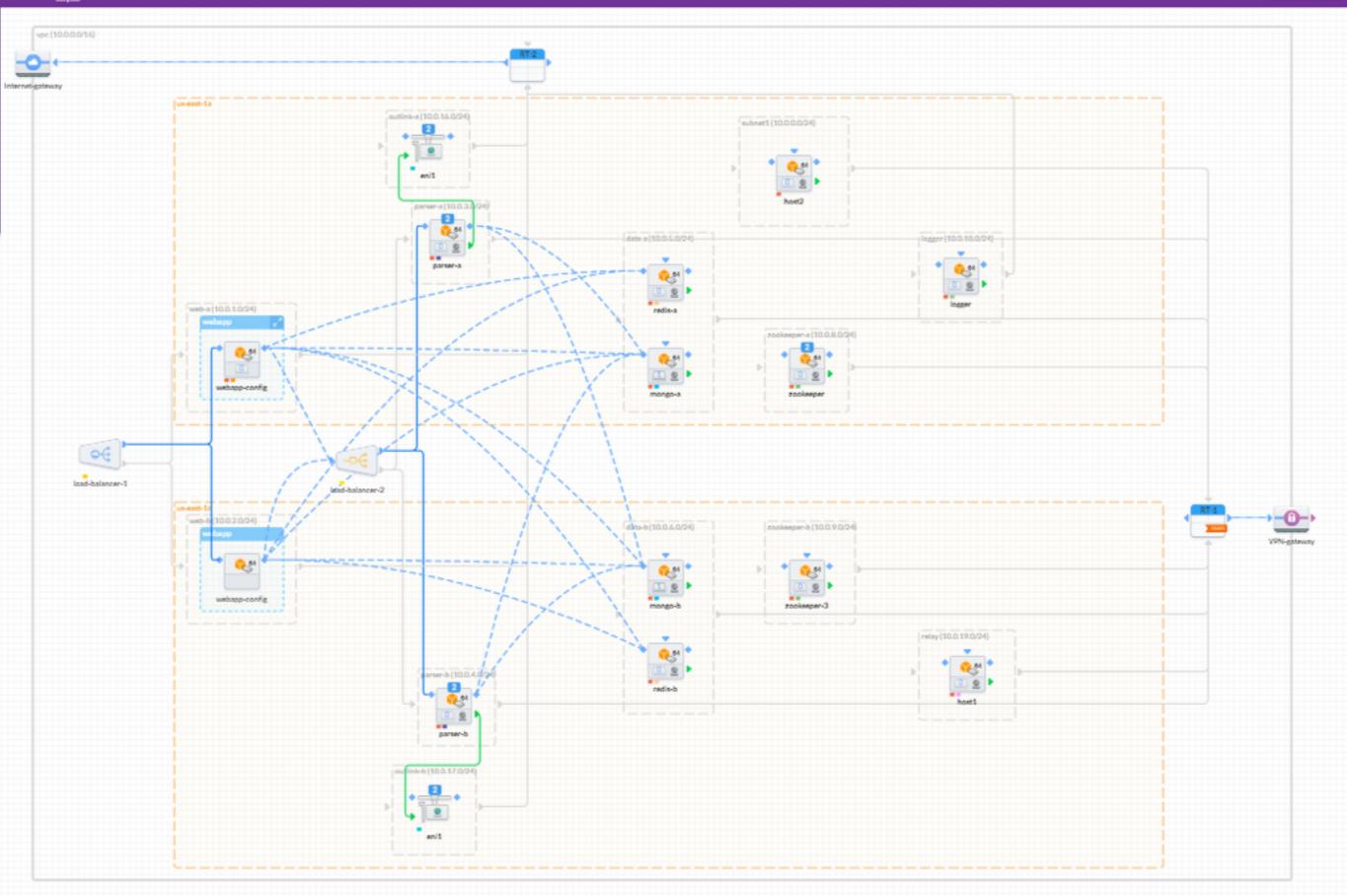


VisualOps: IDE for Cloud App

- Design VPC infrastructure with an intuitive interface
- Manage load balancer, route tables, security group connectivity, etc. in a integrated env
- and even more...



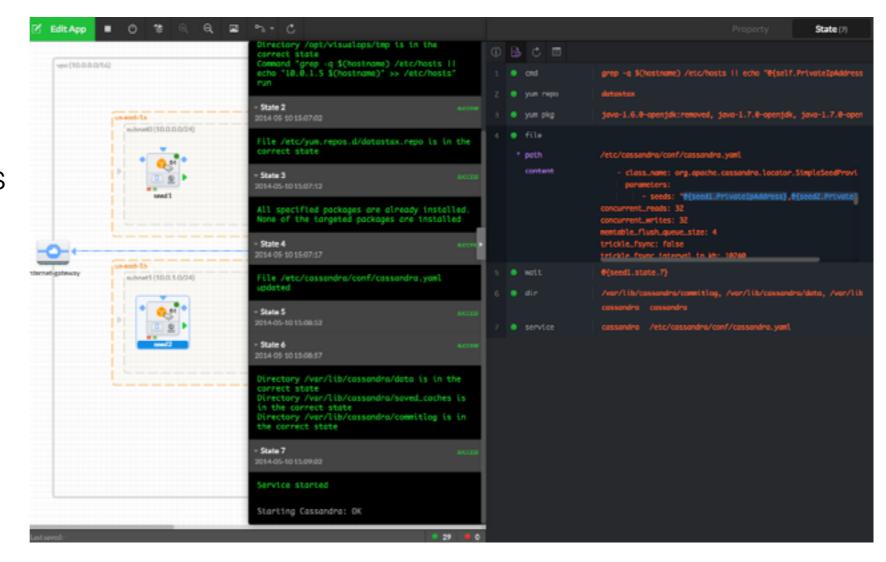




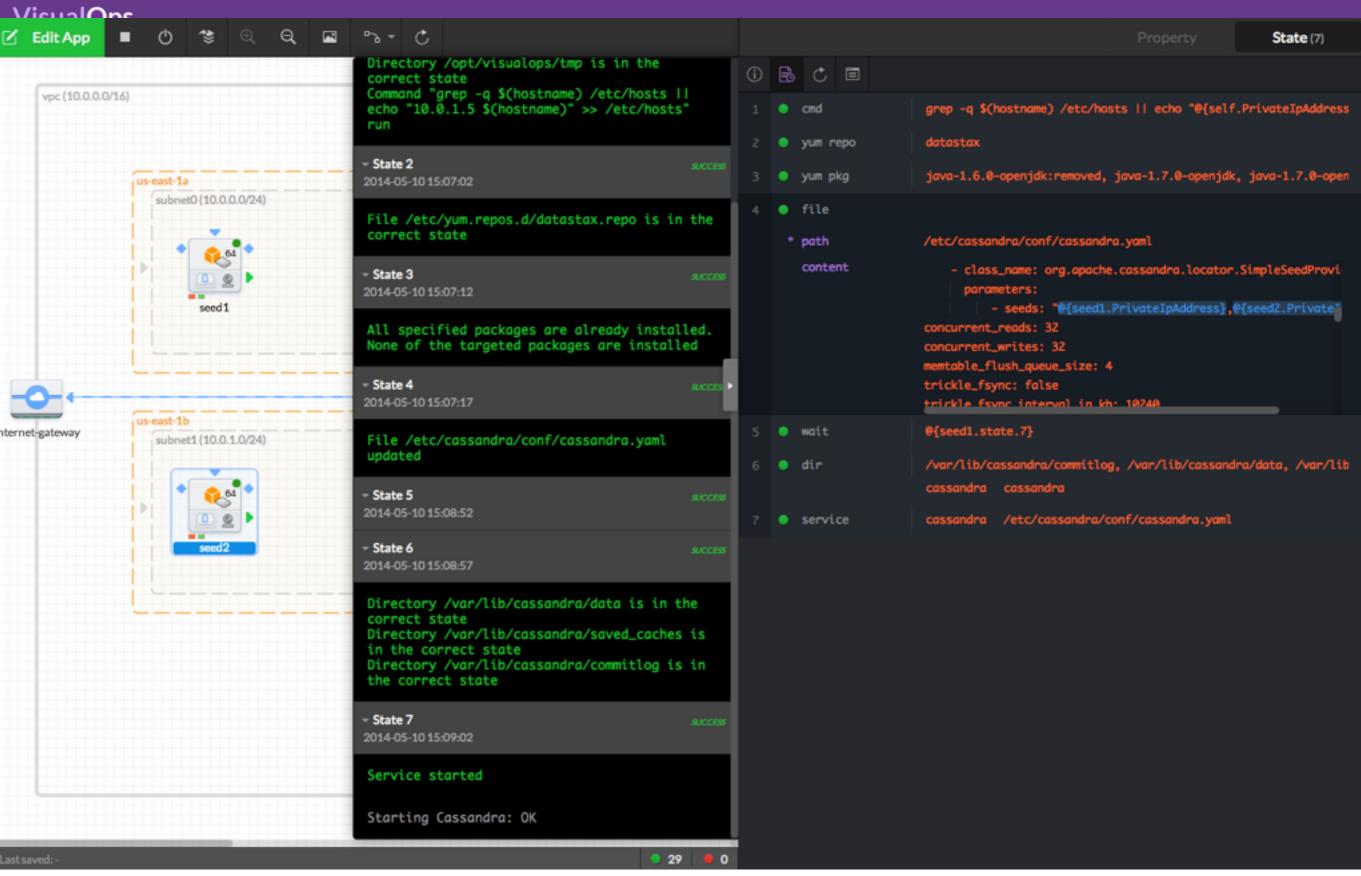


VisualOps as another PaaS

- Architecture and work flow are designed by users
- Integrated softwares and resources configuration
- Deploy code and dependent environment
- Ensure App always as your design



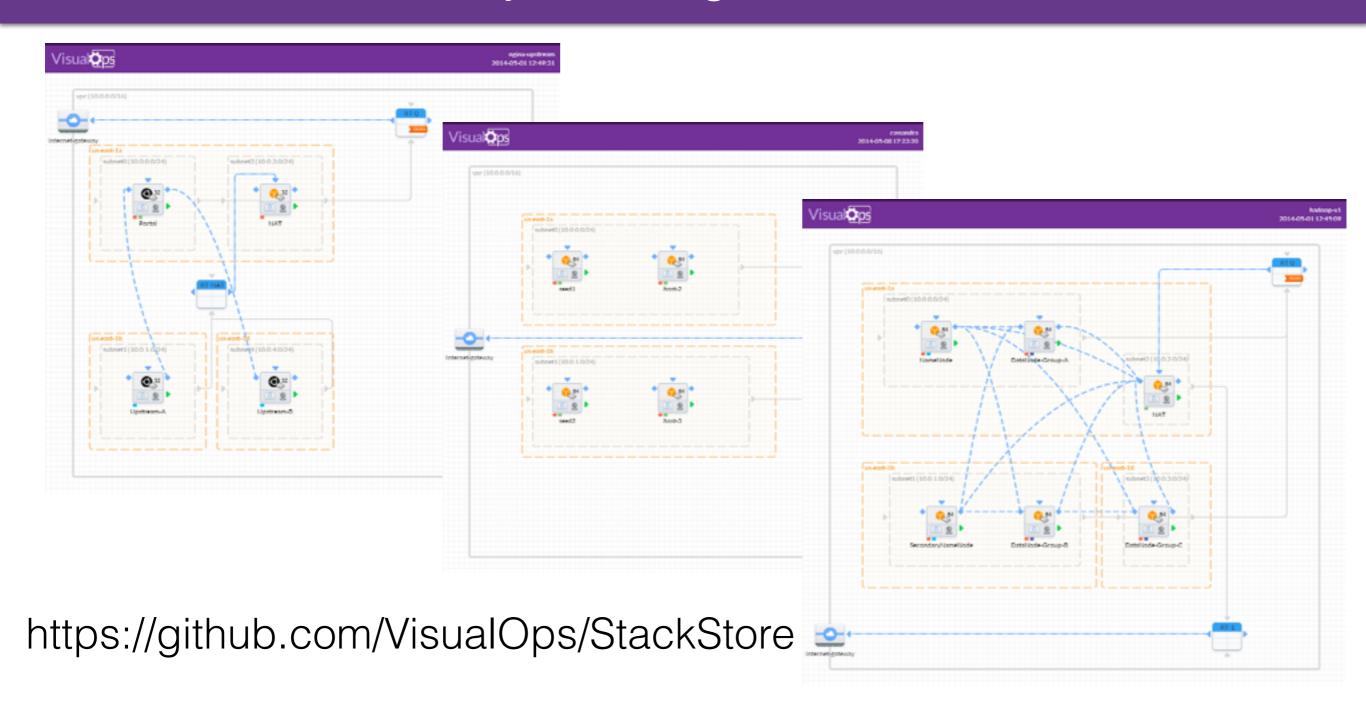






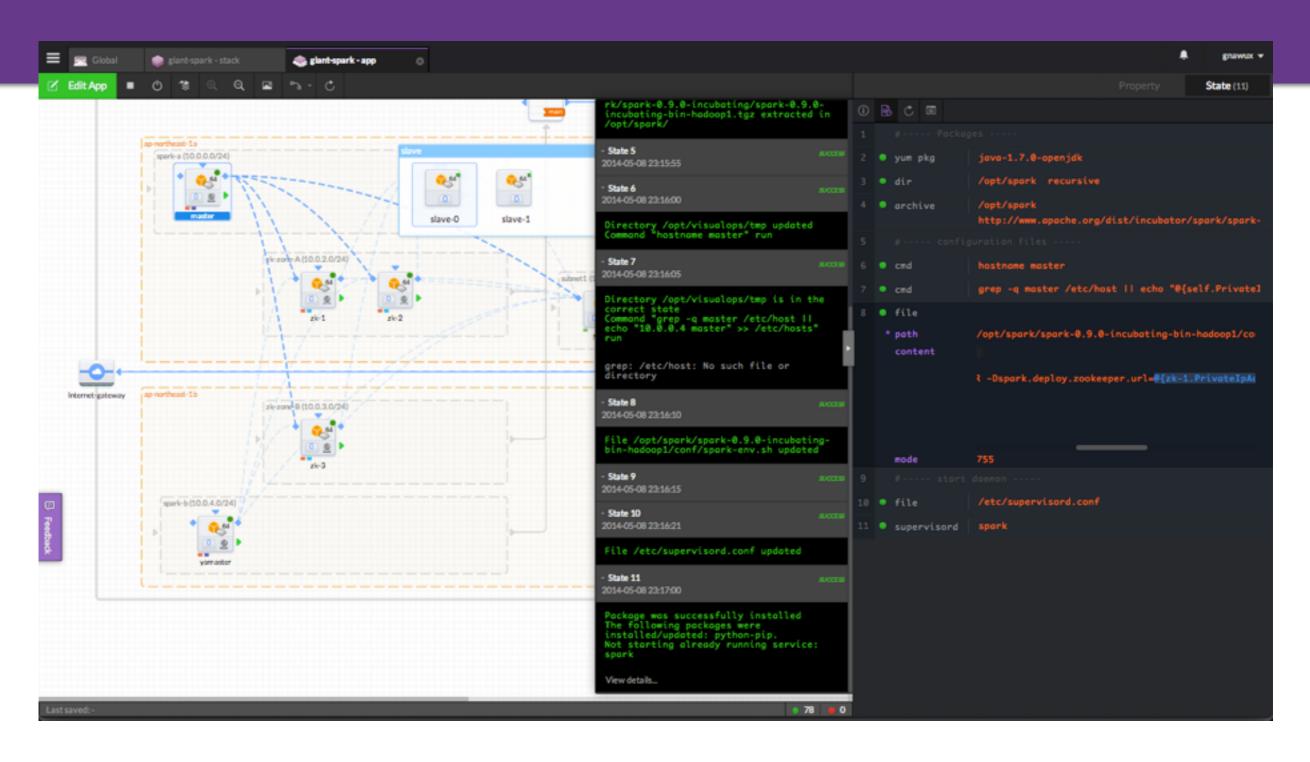
Stack Store

Share your design with others





Case Study





Under the Hood

- Stack/Apps are designed in IDE and rendered to recipes
- Install agents when instances are initializing
- Agent executes recipe w/ SaltStack's state modules
- Backend coordinates agents if there are dependencies between them
- Re-enforce the states



Coming Soon...

- More resources
- Public API for github push and other 3rd Party services
- Action triggered by resources' change...



Thank You!

http://www.visualops.io