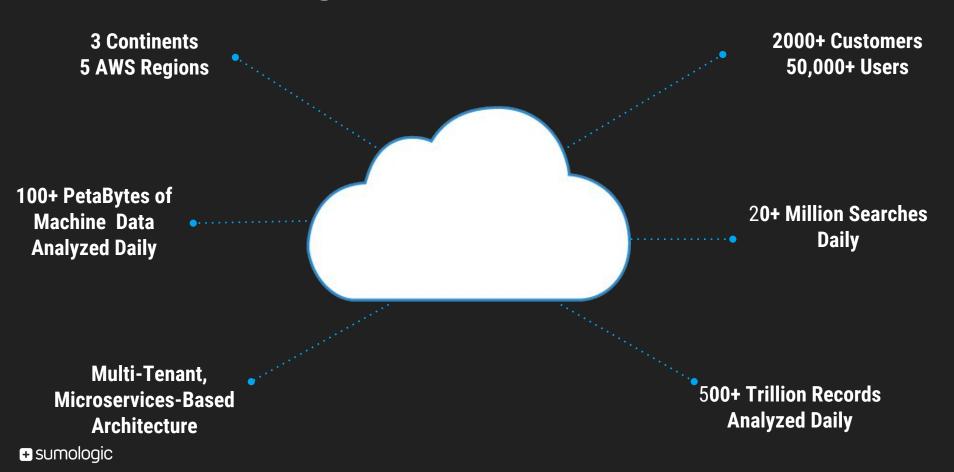
sumo logic

Leveraging Kubernetes to Build a Flexible Self-Service Product Demo Environment

By Frank Reno, Sr. Technical PM | 12/4/2018

Who is Sumo Logic?



Demos Are Critical to the Customer Journey





Sales Engineers are the Drivers

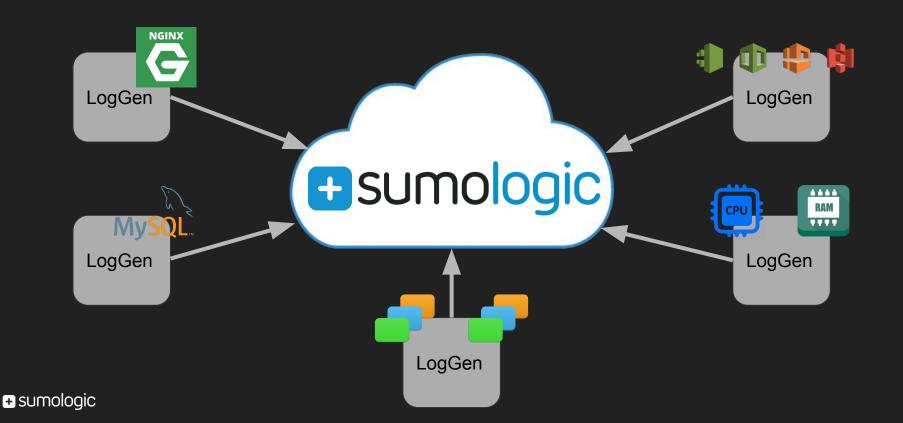


Demo Must Be...

- Reliable
- Comprehensive
- Relatable
- Flexible



The Old Way



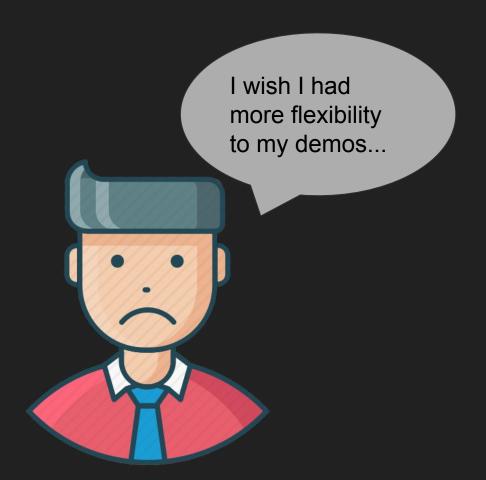
Powerful...but Could be Better





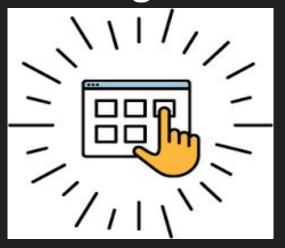
What was Missing?

- Zero Isolation
- Not Customizable
- Not Real

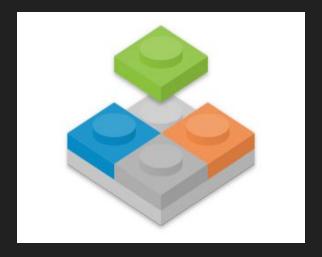


New Demo Must Be...

Tangible



Customizable



Reliable



How Do We Get There?

Microservices



Containers



Overhead



Need Orchestration



What is Kubernetes?



"Kubernetes is a portable, extensible open-source platform for managing containerized workloads and services, that facilitates both declarative configuration and automation. It has a large, rapidly growing ecosystem. Kubernetes services, support and tools are widely available."

Why Kubernetes?

Automation



Easy Scheduling



Scalability



Dogfooding



Kubernetes Control Plane

- API Server
- Scheduler
- Controller Manager
- Etcd



Compute

- Nodes
- Kubelet
- Kube Proxy
- Container Runtime

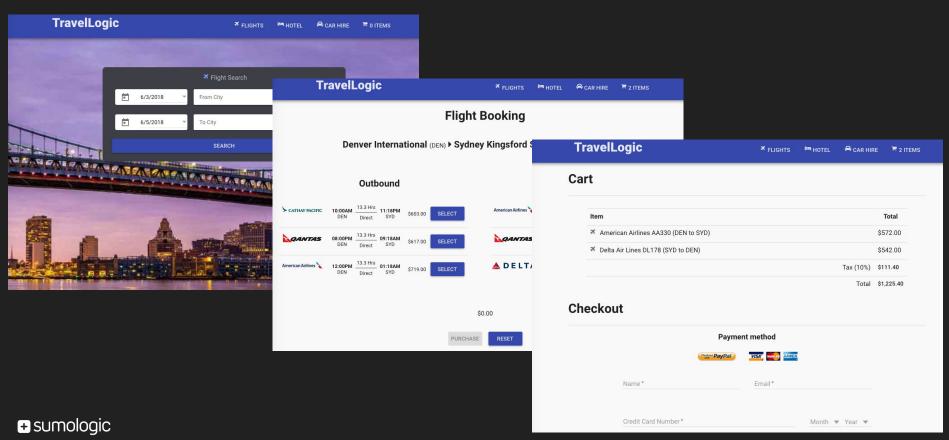


Building Blocks for Your Applications

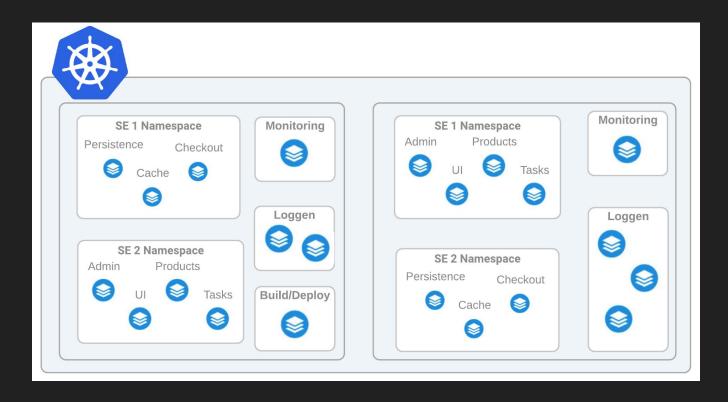
- Pods
- Deployments
- Daemonsets
- Services
- Namespaces



Final Product



High-Level Architecture





TravelLogic Layer











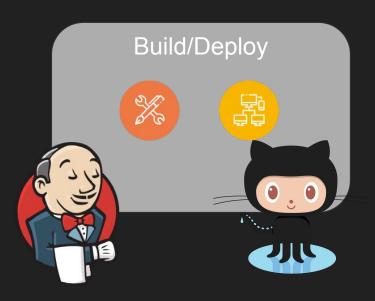






Common Components





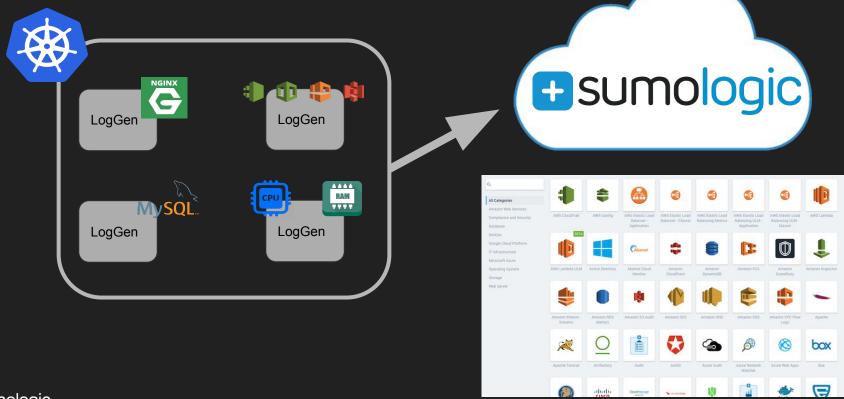
Infrastructure





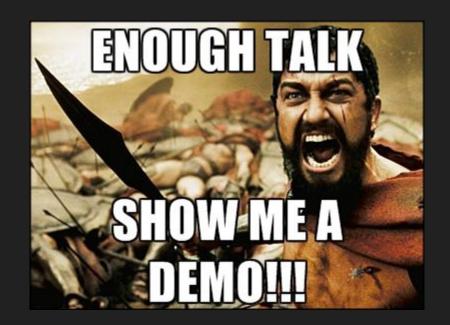


LogGen is Still a Critical Component





Let's See TravelLogic in Action!

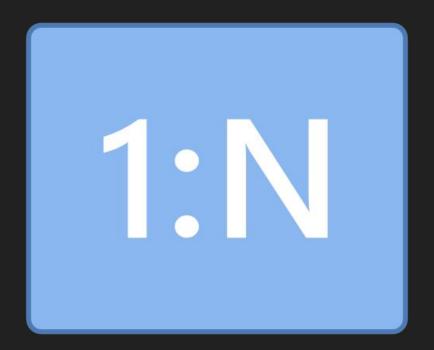




Did We Meet Our Goals?



Kubernetes for Customer Success





Decentralized Data And Tooling







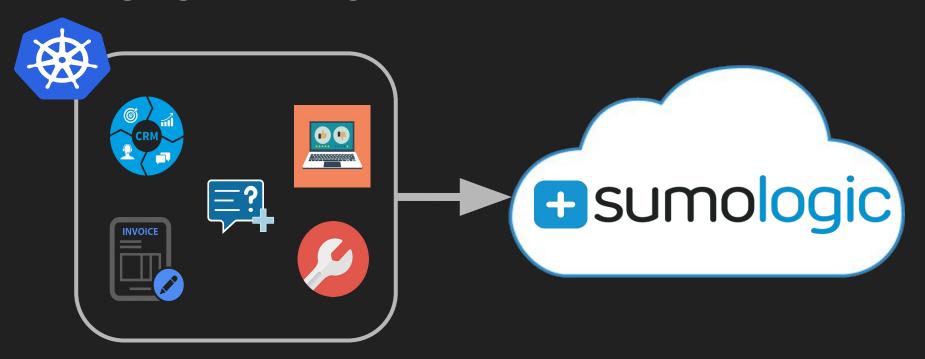




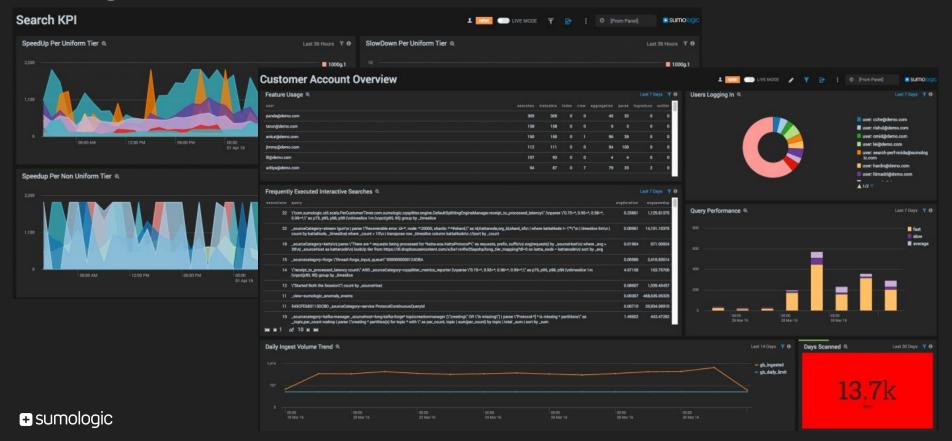




Bringing It All Together

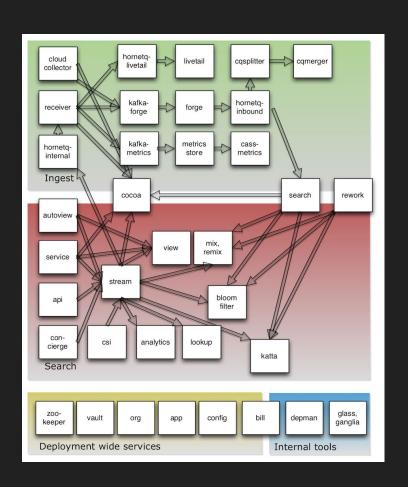


Single Pane View



Kubernetes in Engineering





Kubernetes is Versatile

















Thank you

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Empowering the people who power modern business

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