Kubernetes Data Visualization
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Helm
What
A package manager for Kubernetes where software is defined by “Charts”.

Why
● Define Software of Any Complexity
● Consistent & Repeatable Installation
● Easy to Create, Share, and Publish

Grafana
What
A time series analytics & visualization suite which strives to create accessible and understandable data.

Why
● Various Data Sources supported
● Extensible
● Widely Used & Continuously Updated

InfluxData ‘TICK’ Stack
What
A time based platform for the storing, manipulating, and alerting on data collected various sources.

How
● Telegraf gathers data from the cluster and Kube-State-Metrics.
● Kapacitor continuously monitors data flowing into InfluxDB from the cluster.
● TICK Scripts with custom logic trigger alerts when necessary.
● Kapacitor Alert messages are sent to a Slack channel.

Skytap Cloud
What
A self-service cloud computing platform where highly portable “environments” are the main point of use.

Why
● Enables Agile & DevOps Methods
● Fast and Efficient Development
● Quick & Seamless Delivery

Glossary
Kubernetes - An automated open-source container orchestration system.
Agile - A methodology focusing on continuous iteration of development.
DevOps - A culture which unifies the Development and Operations teams.

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