

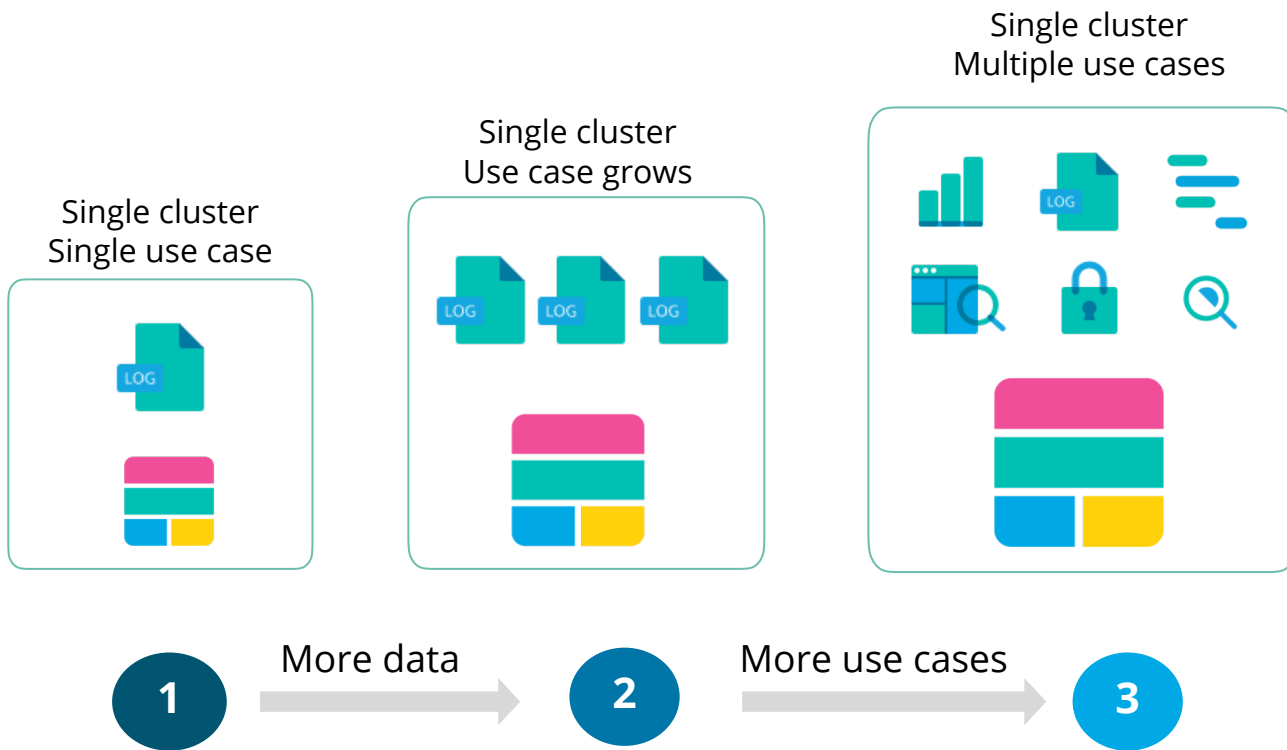


# Deploying Elasticsearch & Kibana to Kubernetes with the Elastic operator

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# Typical Adoption of the Elastic Stack ...

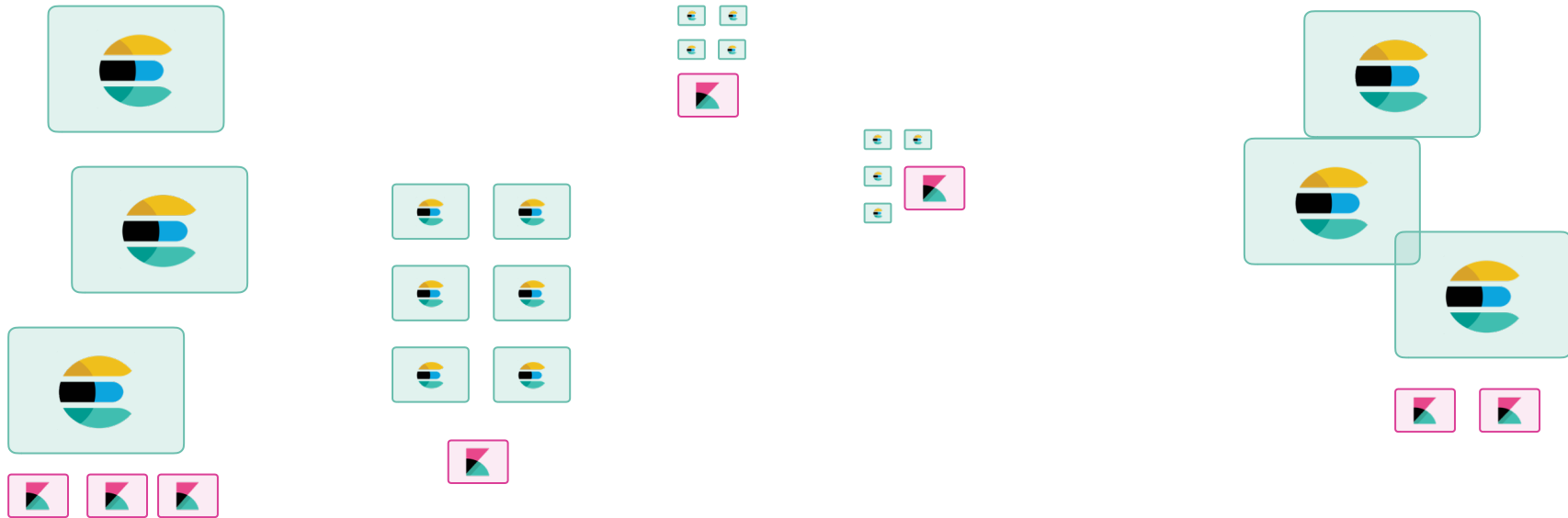


# Managing one big cluster has challenges

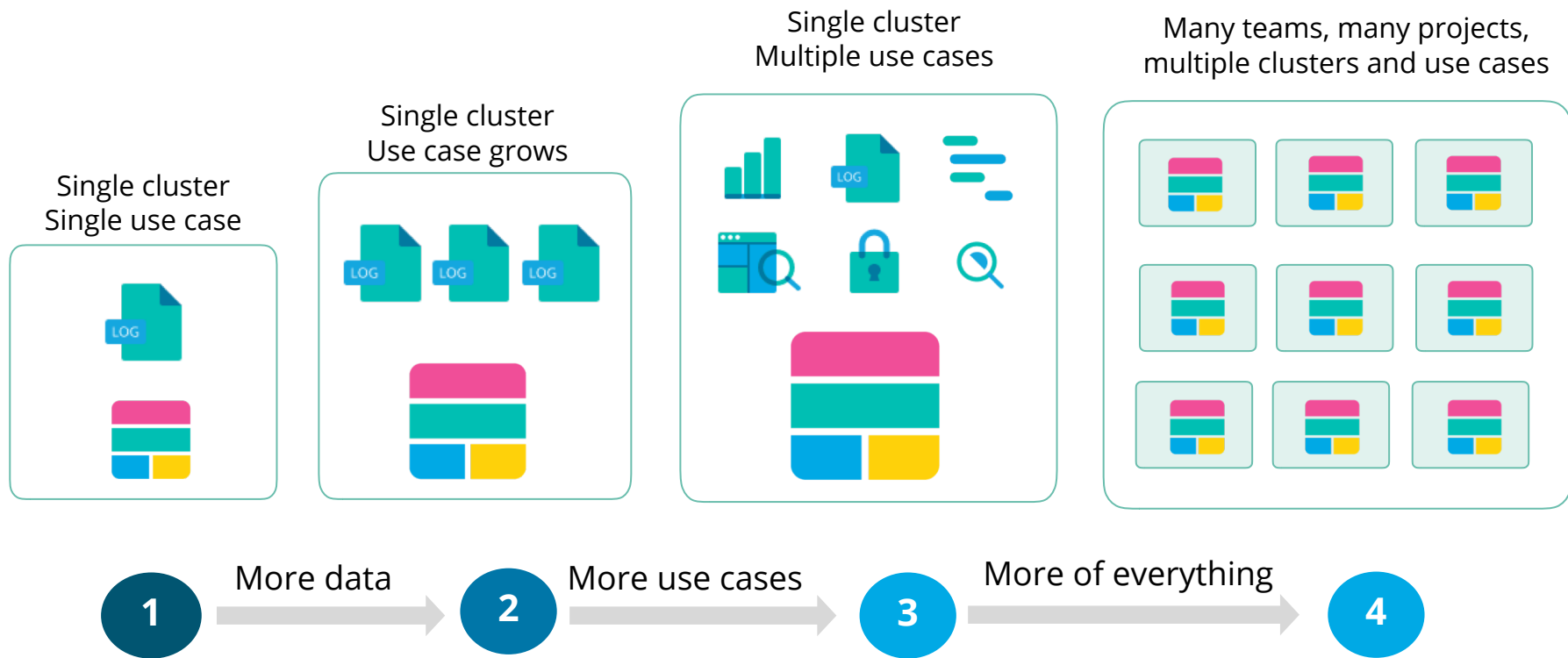
- Managing Differences
- Isolating tenants
- True fair use is impossible



# Time to split!



# Typical Adoption of the Elastic Stack ...



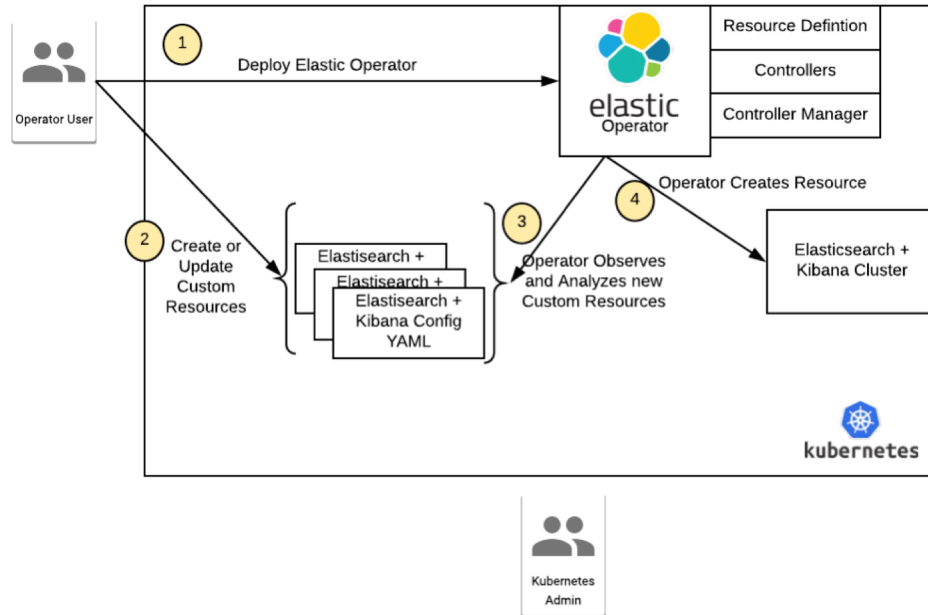
# Elastic Cloud on Kubernetes (ECK)

Beta release October 14th

- New product that allows customers to orchestrate Elasticsearch, Kibana, APM Server on Kubernetes
- Extends native Kubernetes API using the Operator pattern
- Open code <https://github.com/elastic/cloud-on-k8s>
- Also available at <https://operatorhub.io/operator/elastic-cloud-eck>

# What is a Kubernetes Operator

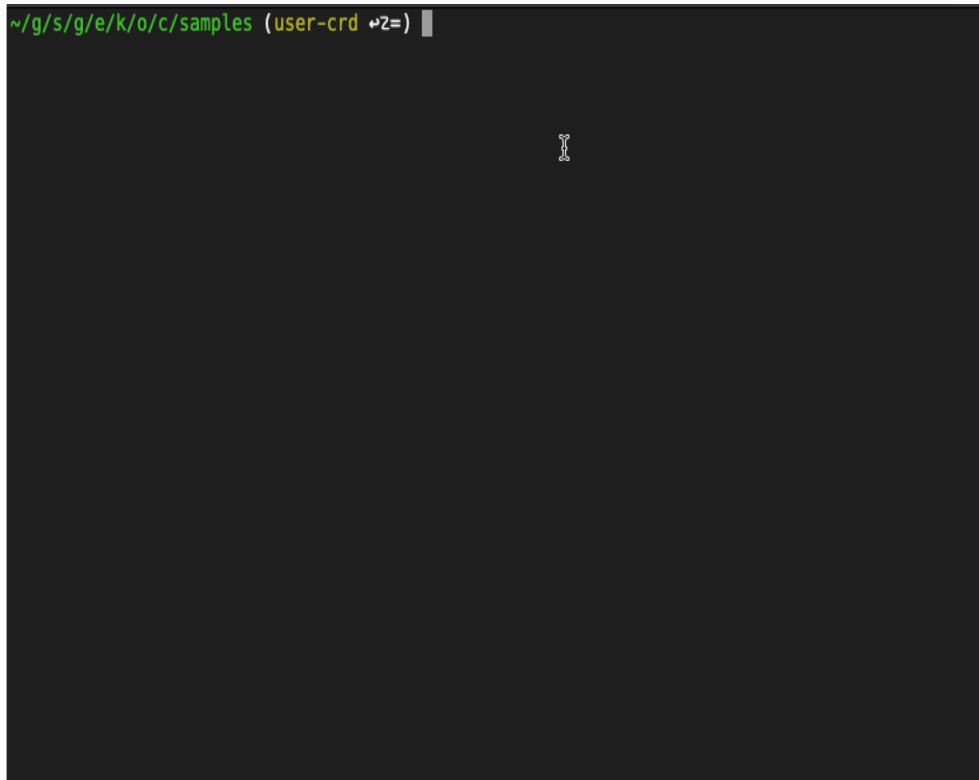
- A way to deliver a Kubernetes Native Application
- Encode operational logic
  - E.g. "I know how to upgrade Elasticsearch properly"



# Elastic Cloud on Kubernetes

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- Multi-cluster deployment and management
- Automatic security configuration
- Snapshot scheduling and keystore support
- Faster recovery from failures
- Local persistent storage by Elastic
- Advanced topology
  - master, ingest, ml, hot-warm cold





# Demo

<https://ela.st/bcn-k8s-meetup-2019-11-14>

# Next steps

- Sample configuration on Github  
<https://github.com/elastic/cloud-on-k8s/tree/master/config/samples>
- Launching blog  
<https://www.elastic.co/blog/introducing-elastic-cloud-on-kubernetes-the-elasticsearch-operator-and-beyond>
- Documentation  
<https://www.elastic.co/es/products/elastic-cloud-kubernetes>
- Operator at OperatorHub.io  
<https://operatorhub.io/operator/elastic-cloud-ek>
- Discuss forums  
<https://discuss.elastic.co/c/ek>

# Thanks!

<https://ela.st/bcn-k8s-meetup-2019-11-14>