Managing Kubernetes

from Python using Kube

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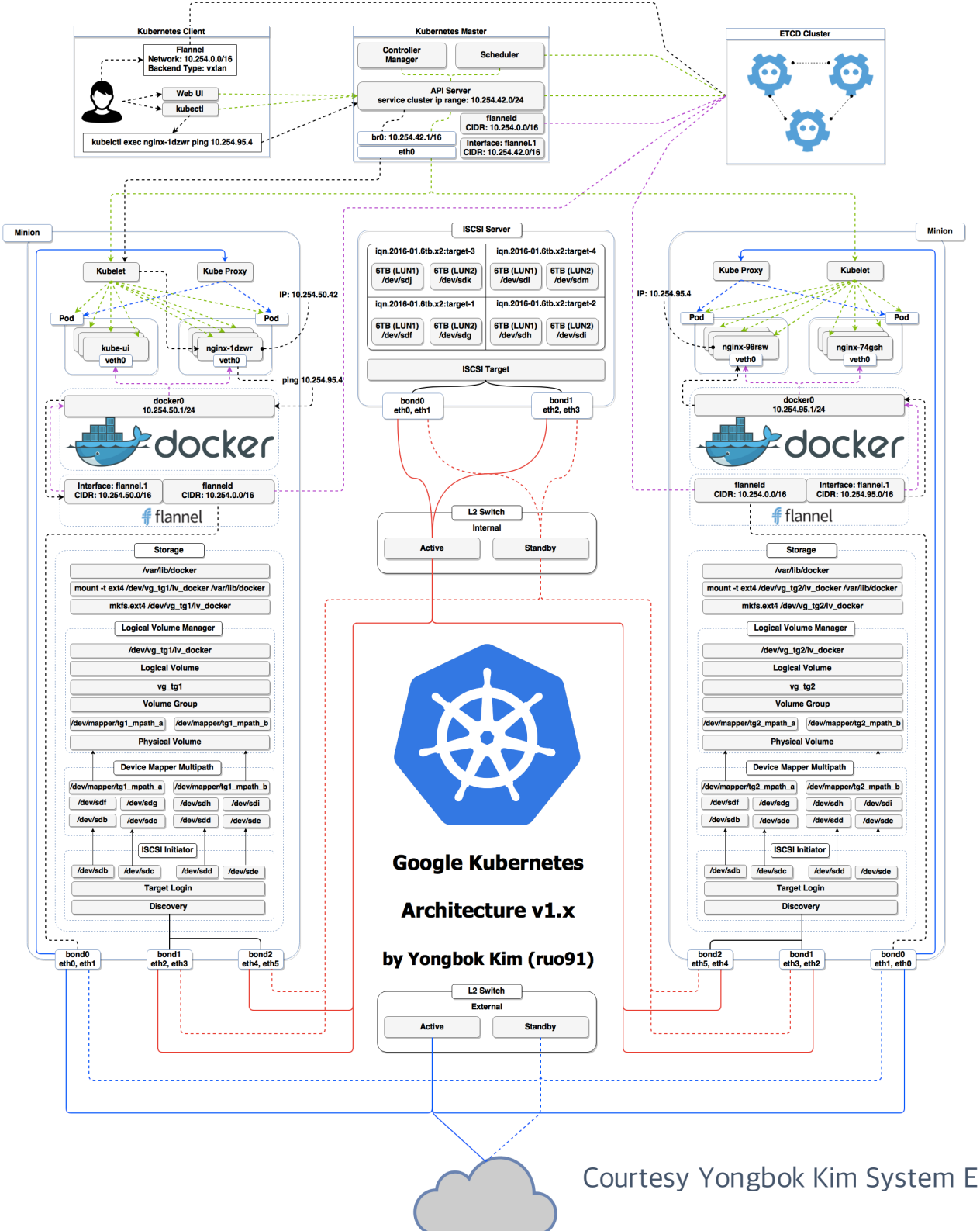
SOME INTERESTING BUT IRRELEVANT PICTURES REMOVED TO MINIMISE SIZE OF PRESO

SaaS Monitoring

Other Python K8s API Implementations

- **Kubernetes-py**
  - https://pypi.python.org/pypi/kubernetes-py
- **Py-kube**
  - https://github.com/kelproject/pykube
- **Python-k8sclient**
  - https://pypi.python.org/pypi/python-k8sclient

K8s in a Nutshell



Courtesy Yongbok Kim System Engineer - RockPlace Inc.

K8s in a Nutshell

- Cluster
- Nodes
- Pods
- Replicasets
- Services
- Labels

Kube Key Concepts

- Kind
  - Pod, PodList, Node
- Resource
  - pod - a Pod resource
  - node - a Node resource
  - nodes - a NodeList resource

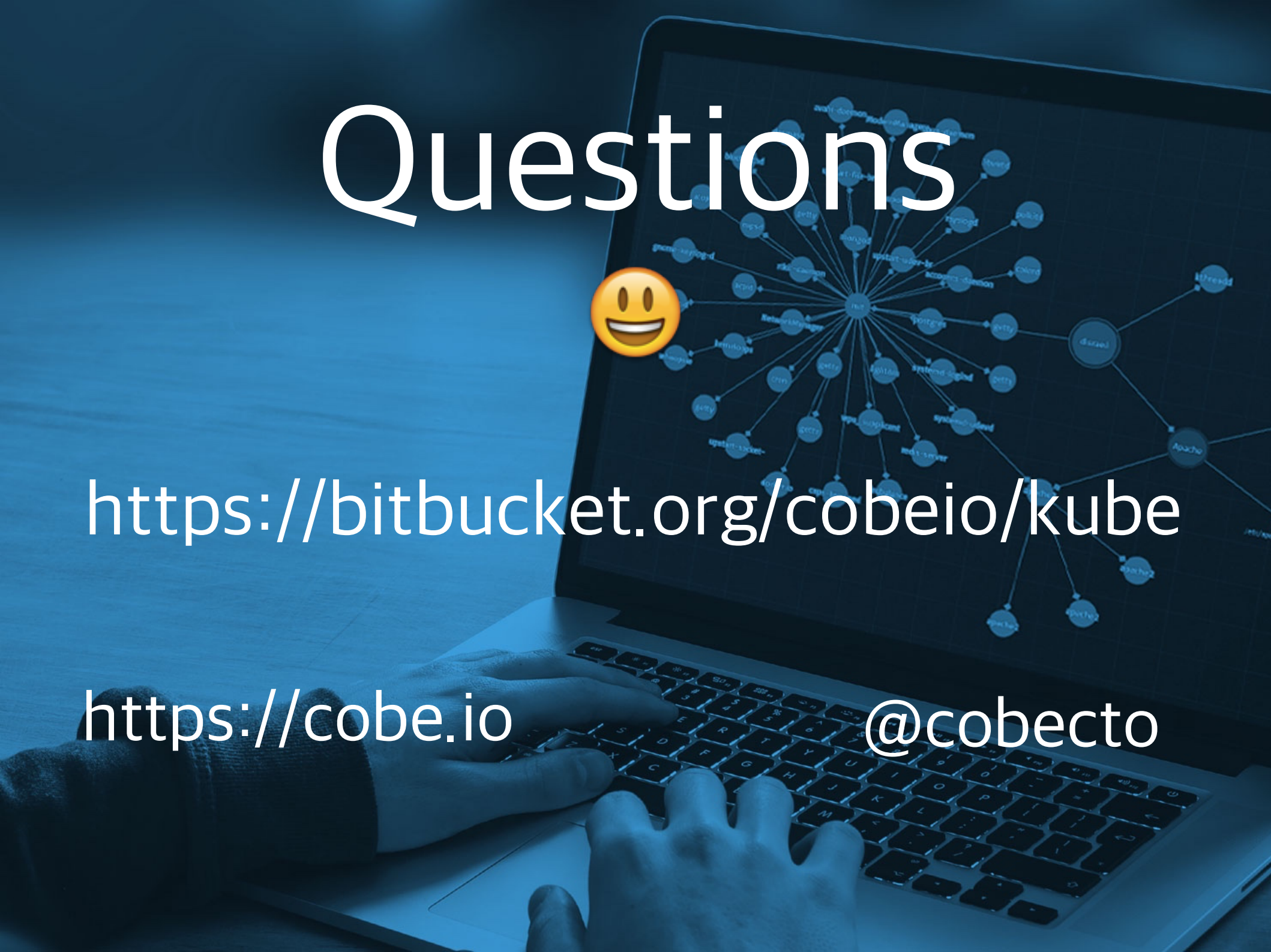
Kube Key Concepts

- Specification and Status
  - Desired state
  - Current state

To the Terminal!

Other Features

- Creating and deleting resources
- Watch API support
- Resource View filters
- Cluster proxy attribute



Questions

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https://bitbucket.org/cobeio/kube

https://cobe.io @cobecto