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
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