Kubernetes API Highlight

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API Design

I work with engineering teams during their API Design phase:

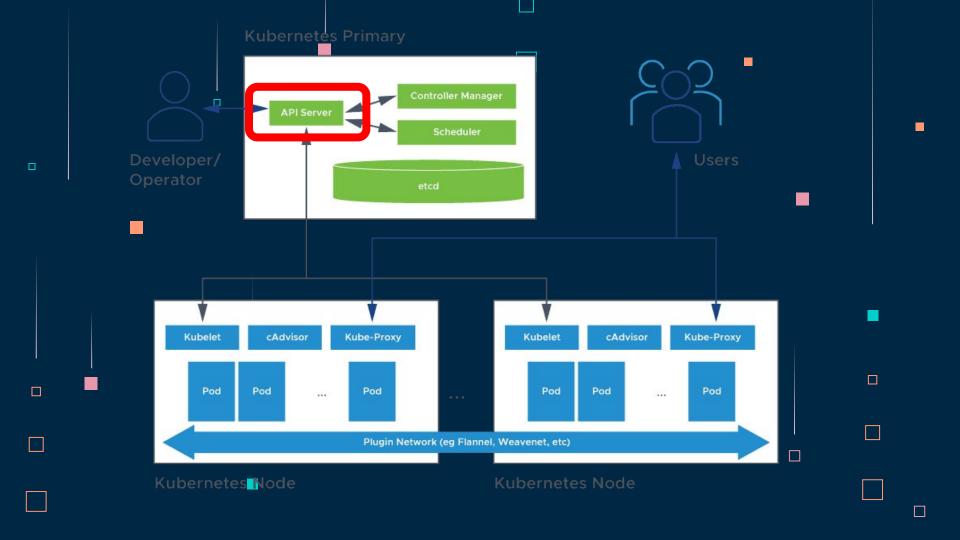
- 1. Why we need this API?
- 2. Who consumes the API?
- 3. Make decisions about the API



API Design System

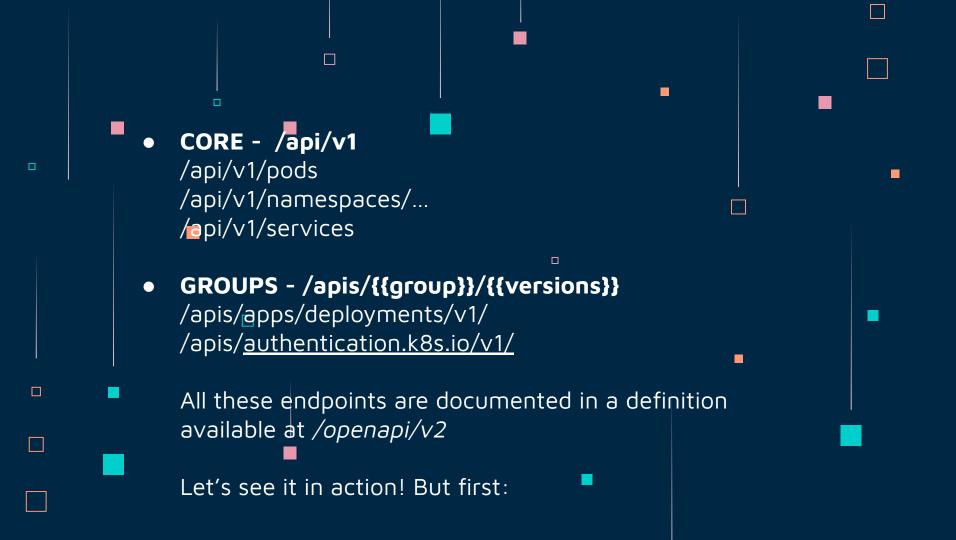
- Identify patterns that can be reused.
- Compare with well known APIs
- Document these patterns
- Promote their re-usability
- Incrementally establish a design system that produces_consistent APIs





Let's skip kubectl and other tools that aim to make things easy





Authorization

```
kind: ClusterRole
apiVersion: rbac.authorization.k8s.io/v1
metadata:
name: postman-role
rules:
- apiGroups: ["apps", ""] # "" indicates the core API group
   resources: ["pods", "services", "deployments", "deployments/scale"]
   verbs: ["get", "watch", "list", "create", "update", "delete"]
```

Inception: This will actually use the **POST**/apis/rbac.authorization.k8s.io/v1/clusterroles endpoint

DEMO TIME!!!

A flow scaling our deployment based on external conditions (APIs)

This is not intended production

THANKS



All resources can be found at:



https://www.postman.com/gkoroscapidesign/works pace/athens-kubernetes-meetup-kubernetes-api-hi ahlight

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