



KubeCon

— North America 2017 —

SIG API Machinery

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What is API Machinery??????????

- kube-apiserver
 - ...and generic apiserver library
 - ...storage path (to etcd)
- Client generators, client-go
- Serialization stack & wire format
- Controller framework code (“informers”)
 - ...and the Garbage Collector & Namespace controllers
- API style guide, patterns, object definition IDL, linters...
- Object conversion & defaulting mechanisms

What is API Machinery??????????

- ...about 25% of the Kubernetes code base (!)

What is *not* API Machinery?

- We don't own your particular API review, sorry!
 - ...unless you're trying to set up a pattern for everyone.
- We don't own most controllers
- We usually don't own the operational characteristics of your cluster (support questions)
- “downward facing” extension mechanisms

What have we done for you lately?

- Extensibility features!
 - API Aggregation to beta
 - Initializers to alpha
 - Webhooks to beta
 - CRD
- Client language features
 - OpenAPI spec, generators
- Project health
 - staging/, client & API type repos split for separate consumability

What will we do for you next year?

- Extensibility features to GA!
- More clients, more consistency
- Better versioning on libraries (esp. apimachinery & apiserver)
- A linter for our Go API Types

Q&A

Ask me things!