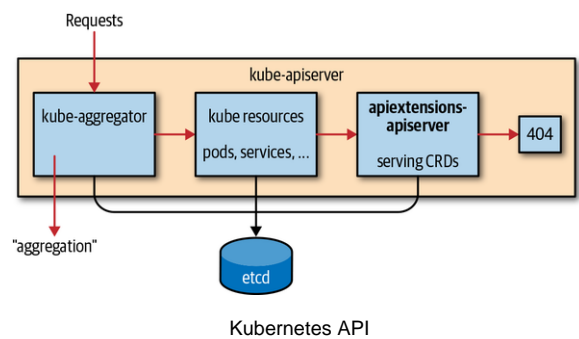


Kubernetes Aggregation APIServer

KubernetesCRD Aggregation LayerCRDKubernetes CRD, Controller, OperatorAggregation Layer



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1

kube-apiserver API APIService "" Kubernetes API URL API /apis/myextension.mycompany.io/v1/... APIService

APIService Pod API API API "extension-apiserver" apiserver-builder API

2

API kube-apiserver kube-apiserver

API

3

CRD Aggregation API <https://kubernetes.feisky.xyz/extension/api>

API Aggregation

kube-apiserver

```
--requestheader-client-ca-file=<path to aggregator CA cert>
--requestheader-allowed-names=aggregator
--requestheader-extra-headers-prefix=X-Remote-Extra-
--requestheader-group-headers=X-Remote-Group
--requestheader-username-headers=X-Remote-User
--proxy-client-cert-file=<path to aggregator proxy cert>
--proxy-client-key-file=<path to aggregator proxy key>
```

kube-proxy Master

```
--enable-aggregator-routing=true
```

API

1. APIService API kubectl get apiservice
2. RBAC
3. namespace API
4. CA https
5. secret
6. API deployment secret https
7. ClusterRole ClusterRoleBinding

8. namespace apiservice spec.caBundle
9. kubectl get <resource-name> No resources found.

apiserver-builder

```
#
$ cd GOPATH/src/github.com/my-org/my-project
$ apiserver-boot init repo --domain <your-domain>
$ apiserver-boot init glide

#
$ apiserver-boot create group version resource --group <group> --version
<version> --kind <Kind>

#
$ apiserver-boot build executables
$ apiserver-boot build docs

#
$ apiserver-boot run local

#
$ apiserver-boot run in-cluster --name nameofservicetorun --namespace
default --image gcr.io/myrepo/myimage:mytag
$ kubectl create -f sample/<type>.yaml
```

sample-apiserver apiserver-builder/example

- <https://kubernetes.io/docs/concepts/extend-kubernetes/api-extension/apiserver-aggregation/>
- <https://www.yisu.com/zixun/9840.html>
- <https://blog.csdn.net/u012986012/article/details/105755943>
- <https://kubernetes.feisky.xyz/extension/api/aggregation>
- <https://medium.com/@vanSadhu/kubernetes-api-aggregation-setup-nuts-bolts-733fef22a504>
- <https://www.oreilly.com/library/view/programming-kubernetes/9781492047094/ch04.html>
- <https://draveness.me/cloud-native-kubernetes-extension/>