**API Server access**

Kubernetes API Server access by example

Sometimes it’s useful or necessary to directly access the Kubernetes API server, for exploratory or testing purposes.

In order to do this, one option is to proxy the API to your local environment, using:

$ kubectl proxy --port=8080

Starting to serve on 127.0.0.1:8080

Now you can query the API (in a separate terminal session) like so:

$ curl http://localhost:8080/api/v1

{

"kind": "APIResourceList",

"groupVersion": "v1",

"resources": [

{

...

{

"name": "services/status",

"singularName": "",

"namespaced": true,

"kind": "Service",

"verbs": [

"get",

"patch",

"update"

]

}

]

}

Alternatively, without proxying, you can use kubectl directly as follows to achieve the same:

$ kubectl get --raw=/api/v1

Further, if you want to explore the supported API versions and/or resources, you can use the following commands:

$ kubectl api-versions

admissionregistration.k8s.io/v1beta1

...

v1

$ kubectl api-resources

NAME SHORTNAMES APIGROUP NAMESPACED KIND

bindings true Binding

...

storageclasses sc storage.k8s.io