# yq

1. Setup yq. Check [binaries](https://github.com/mikefarah/yq/releases) for your platform. For example:

$ curl -Lo yq https://github.com/mikefarah/yq/releases/download/v4.6.3/yq\_linux\_amd64  
$ sudo install yq /usr/local/bin/yq  
$ rm yq

1. Get colored YAML of Pod:

$ kubectl get pods <name> -o yaml | yq -C e <filter> -

1. Get container information only:

$ kubectl get pods <name> -o yaml | yq -C e .spec.containers -

## Solution

$ curl -Lo yq https://github.com/mikefarah/yq/releases/download/v4.6.3/yq\_linux\_amd64  
$ sudo install yq /usr/local/bin/yq  
$ rm yq  
$ yq --version  
yq version 4.6.3

1. Get colored YAML of Pod:

$ kubectl create -f pods/command-continuous.yaml  
pod/command-continuous created  
  
$ kubectl get pod command-continuous -o yaml | yq -C e . -  
apiVersion: v1  
kind: Pod  
metadata:  
 creationTimestamp: "2021-06-11T08:16:04Z"  
 name: command-continuous  
 namespace: msuslov  
 resourceVersion: "11416"  
 uid: 672bf60e-5d91-4dc9-8b5e-cf3635501ddb  
spec:  
 containers:  
 - args:  
 - -c  
 - |-  
 while true; do  
 date +'%Y.%m.%d %H:%M:%S'  
 sleep 10  
 done  
 command:  
 - /bin/sh  
 image: busybox  
 imagePullPolicy: IfNotPresent  
 name: busybox-container  
 resources: {}  
 terminationMessagePath: /dev/termination-log  
 terminationMessagePolicy: File  
 volumeMounts:  
 - mountPath: /var/run/secrets/kubernetes.io/serviceaccount  
 name: default-token-gnw4f  
 readOnly: true  
 dnsPolicy: ClusterFirst  
 enableServiceLinks: true  
 nodeName: minikube  
 preemptionPolicy: PreemptLowerPriority  
 priority: 0  
 restartPolicy: OnFailure  
 schedulerName: default-scheduler  
 securityContext: {}  
 serviceAccount: default  
 serviceAccountName: default  
 terminationGracePeriodSeconds: 30  
 tolerations:  
 - effect: NoExecute  
 key: node.kubernetes.io/not-ready  
 operator: Exists  
 tolerationSeconds: 300  
 - effect: NoExecute  
 key: node.kubernetes.io/unreachable  
 operator: Exists  
 tolerationSeconds: 300  
 volumes:  
 - name: default-token-gnw4f  
 secret:  
 defaultMode: 420  
 secretName: default-token-gnw4f  
status:  
 conditions:  
 - lastProbeTime: null  
 lastTransitionTime: "2021-06-11T08:16:04Z"  
 status: "True"  
 type: Initialized  
 - lastProbeTime: null  
 lastTransitionTime: "2021-06-11T08:16:05Z"  
 status: "True"  
 type: Ready  
 - lastProbeTime: null  
 lastTransitionTime: "2021-06-11T08:16:05Z"  
 status: "True"  
 type: ContainersReady  
 - lastProbeTime: null  
 lastTransitionTime: "2021-06-11T08:16:04Z"  
 status: "True"  
 type: PodScheduled  
 containerStatuses:  
 - containerID: docker://e6c492a2b84ad8f16c66f985d50d3e691fbf324af4c8a8a449c925144dd1b044  
 image: busybox:latest  
 imageID: docker-pullable://busybox@sha256:930490f97e5b921535c153e0e7110d251134cc4b72bbb8133c6a5065cc68580d  
 lastState: {}  
 name: busybox-container  
 ready: true  
 restartCount: 0  
 started: true  
 state:  
 running:  
 startedAt: "2021-06-11T08:16:05Z"  
 hostIP: 192.168.49.2  
 phase: Running  
 podIP: 172.17.0.4  
 podIPs:  
 - ip: 172.17.0.4  
 qosClass: BestEffort  
 startTime: "2021-06-11T08:16:04Z"

1. Get container information only:

$ kubectl get pod command-continuous -o yaml | yq -C e .spec.containers -  
- args:  
 - -c  
 - |-  
 while true; do  
 date +'%Y.%m.%d %H:%M:%S'  
 sleep 10  
 done  
 command:  
 - /bin/sh  
 image: busybox  
 imagePullPolicy: IfNotPresent  
 name: busybox-container  
 resources: {}  
 terminationMessagePath: /dev/termination-log  
 terminationMessagePolicy: File  
 volumeMounts:  
 - mountPath: /var/run/secrets/kubernetes.io/serviceaccount  
 name: default-token-gnw4f  
 readOnly: true

Clean up:

$ kubectl delete -f pods/command-continuous.yaml  
pod "command-continuous" deleted