# Service Discovery EnvVar

Create a Pod and get environment variables:

$ kubectl run -it --rm dns-test --image yauritux/busybox-curl --restart=Never -- printenv | sort

Do you see variables for myserver service?

## Solution

Create a Pod and get environment variables:

$ kubectl create -f services/service-clusterip-single-port.yaml  
service/myservice created  
  
$ kubectl run -it --rm dns-test --image yauritux/busybox-curl --restart=Never -- printenv | sort  
HOME=/root  
HOSTNAME=dns-test  
KUBERNETES\_PORT=tcp://10.96.0.1:443  
KUBERNETES\_PORT\_443\_TCP=tcp://10.96.0.1:443  
KUBERNETES\_PORT\_443\_TCP\_ADDR=10.96.0.1  
KUBERNETES\_PORT\_443\_TCP\_PORT=443  
KUBERNETES\_PORT\_443\_TCP\_PROTO=tcp  
KUBERNETES\_SERVICE\_HOST=10.96.0.1  
KUBERNETES\_SERVICE\_PORT=443  
KUBERNETES\_SERVICE\_PORT\_HTTPS=443  
MYSERVICE\_PORT=tcp://10.103.137.156:80  
MYSERVICE\_PORT\_80\_TCP=tcp://10.103.137.156:80  
MYSERVICE\_PORT\_80\_TCP\_ADDR=10.103.137.156  
MYSERVICE\_PORT\_80\_TCP\_PORT=80  
MYSERVICE\_PORT\_80\_TCP\_PROTO=tcp  
MYSERVICE\_SERVICE\_HOST=10.103.137.156  
MYSERVICE\_SERVICE\_PORT=80  
MYSERVICE\_SERVICE\_PORT\_HTTP=80  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
TERM=xterm  
pod "dns-test" deleted  
  
$ kubectl delete -f services/service-clusterip-single-port.yaml  
service "myservice" deleted

There is a few variables for myservice service:

MYSERVICE\_PORT=tcp://10.103.137.156:80  
MYSERVICE\_PORT\_80\_TCP=tcp://10.103.137.156:80  
MYSERVICE\_PORT\_80\_TCP\_ADDR=10.103.137.156  
MYSERVICE\_PORT\_80\_TCP\_PORT=80  
MYSERVICE\_PORT\_80\_TCP\_PROTO=tcp  
MYSERVICE\_SERVICE\_HOST=10.103.137.156  
MYSERVICE\_SERVICE\_PORT=80  
MYSERVICE\_SERVICE\_PORT\_HTTP=80