# "The connection to the server localhost:8080 was refused - did you specify the right host or port?"

Asked 2 years, 11 months ago Modified 2 months ago Viewed 129k times 🛟 Part of AWS Collective



I'm on an ec2 instance trying to get my cluster created. I have kubectl already installed and here are my services and workloads yaml files



services.yaml



```
4
```

```
apiVersion: v1
kind: Service
metadata:
   name: stockapi-webapp

spec:
   selector:
   app: stockapi

ports:
   - name: http
   port: 80

type: LoadBalancer
```

#### workloads.yaml

```
apiVersion: v1
kind: Deployment
metadata:
 name: stockapi
spec:
 selector:
   matchLabels:
     app: stockapi
 replicas: 1
 template: # template for the pods
   metadata:
     labels:
       app: stockapi
   spec:
      containers:
      - name: stock-api
        image: public.ecr.aws/u1c1h9j4/stock-api:latest
```

#### When I try to run

```
kubectl apply -f workloads.yaml
```

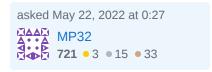
I get this as an error

The connection to the server localhost: 8080 was refused - did you specify the right host or port?

I also tried changing the port in my services.yaml to 8080 and that didn't fix it either



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This error comes when you don't have <code>~/.kube/config</code> file present or configured correctly on the client / where you run the <code>kubectl</code> command.

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kubectl reads the clusterinfo and which port to connect to from the ~/.kube/config file.



if you are using eks here's how you can create config file aws eks create kubeconfig file



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- The path to the kube config file can be read/set via the variable \$KUBECONFIG FWIW. ruby\_newbie Oct 3, 2023 at 15:49
- what about azure? Yawar Oct 17, 2023 at 9:37
- 2 If someone using minikube make sure to start minikube using this command minikube start Ankit Tiwari Jan 25, 2024 at 9:47



In my case I had a problem with a certificate authority. Found out that by checking the kubectl config



kubectl config view



The clusters part was null, instead of having something similar to



```
- cluster:
certificate-authority-data: DATA+OMITTED
server: https://kubernetes.docker.internal:6443
 name: docker-desktop
```

It was not parsed because of time differences between my machine and a server (several seconds was enough).

#### Running

```
sudo apt-get install ntp
sudo apt-get install ntpdate
sudo ntpdate ntp.ubuntu.com
```

Had solved the issue.

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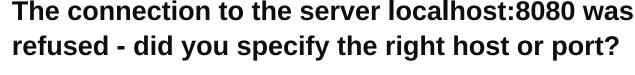
Although my problem differed, kubectl config view is an excellent debugging step. — iuooip Mar 1, 2023 at 12:43



Encountered the exact error in my cluster when I executed the "kubectl get nodes" command.









I ran the following command in master node and it fixed the error.

apt-get update && apt-get install -y apt-transport-https ca-certificates curl software-propertiescommon

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | apt-key add -

add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable" apt-get update && apt-get install -y containerd.io

## **Configure containerd**

4/18/25, 12:27 AM kubernetes - "The connection to the server localhost:8080 was refused - did you specify the right host or port?"...

mkdir -p /etc/containerd

containerd config default > /etc/containerd/config.toml

systemctl restart containerd

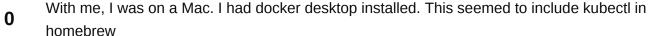
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answered Jan 27, 2023 at 7:56





I was following the instructions on <u>aws</u>





I traced it down to a link in usr/local/bin and renamed it to kubectl-old



Then I reinstalled kubectl, put it on my path and everything worked.



I know this is very specific to my case, but may help others.

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answered Aug 21, 2022 at 23:42



Jake

**4,680** • 10 • 43 • 89

That's exactly what i did on my Mac too, or you can just open Docker GUI on Mac or Window before you use kubectl . You could check API server with docker ps | grep kube-apiserver - Aung Baw May 11, 2023 at 3:19



ERROR: The connection to the server localhost:8080 was refused - did you specify the right host or port?



In my case, issue was fixed by exporting the KUBECONFIG



export KUBECONFIG=/home/.kube/kubeconfig



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answered Dec 14, 2023 at 21:44





I was using ansible trying to install calico and discovered I had placed some extra arguments in the playbook command. I took the extra args out and ran it like this and it finally worked:

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ansible-playbook -i inventory/inventory.yml --limit "control-1" --ask-becomepass -u XXXX kubernetes\_install\_part2\_network.yml



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answered Jan 20 at 4:01





I found how to solve this question. Run the below commands



1.sudo -i 2.swapoff -a 3.exit 4.strace -eopenat kubectl version



and you can type kubectl get nodes again.



Cheers!



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answered Aug 24, 2022 at 11:55





I got the same error and after switching from root user to regular user (ubuntu, etc...) my problem was fixed.

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edited Dec 8, 2022 at 21:14

answered Dec 8, 2022 at 21:12 user18547346









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