

# "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

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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

24

services.yaml



```
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



kubernetes

amazon-eks

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asked May 22, 2022 at 0:27



MP32

721 ● 3 ● 15 ● 33

## 8 Answers

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

**31**

`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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answered May 22, 2022 at 1:16



Preet Sindhal

599 ● 5 ● 7



1 The path to the kube config file can be read/set via the variable `$KUBECONFIG` FWIW. – [ruby\\_newbie](#) Oct 3, 2023 at 15:49

1 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

**6**

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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answered Sep 7, 2022 at 10:56



Igor Tiulkanov

596 ● 8 ● 19

5 Although my problem differed, `kubect1 config view` is an excellent debugging step. – [iuooip](#) Mar 1, 2023 at 12:43



4



Encountered the exact error in my cluster when I executed the "kubect1 get nodes" command.

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

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-properties-common
```

```
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

```
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



Lherben G

393 ● 2 ● 6



0



I was following the instructions on [aws](#)

With me, I was on a Mac. I had docker desktop installed. This seemed to include kubect1 in homebrew

I traced it down to a link in `usr/local/bin` and renamed it to `kubect1-old`

Then I reinstalled kubect1, 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 `kubect1` . You could check API server with `docker ps | grep kube-apiserver` – [Aung Baw](#)  
May 11, 2023 at 3:19



0



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



JagadeeshK

47 ● 7



0

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:



```
ansible-playbook -i inventory/inventory.yml --limit "control-1" --ask-become-pass -u XXXX kubernetes_install_part2_network.yml
```

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answered Jan 20 at 4:01

[texasdave](#)

756 ● 1 ● 5 ● 16



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

**-1**

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



and you can type kubectkl get nodes again.

Cheers !

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answered Aug 24, 2022 at 11:55

[TechHari](#)

1



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

**-1**[Share](#) [Improve this answer](#) [Follow](#)[edited Dec 8, 2022 at 21:14](#)

answered Dec 8, 2022 at 21:12

[user18547346](#)

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4/18/25, 12:27 AM

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