Configure port mapping for windows conta

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Configure port mapping for windo container

In this blog, we will show you configure port mapping for windows container using docker commands.

INTRODUCTION

We need to configure the port mapping to access the web application inside the container. Need to specify th destination port while creating the containers.

PORT MAPPING

- To configure the port mapping while creating the container, use the below command.

SYNTAX: docker run -it -p <source port of windows container host>:<destination port in the container image>

Example : docker run -it -p 80:80 azcontainerr/web

docker – Base command for docker CLI

run – To start a new container

-it – Run in interactive mode

-p – Specify the port mapping

80 (left hand side) source port– Map the windows container host port.

80(right hand side) Destination port – Map the container port.

azcontainerr/web – Container Image.

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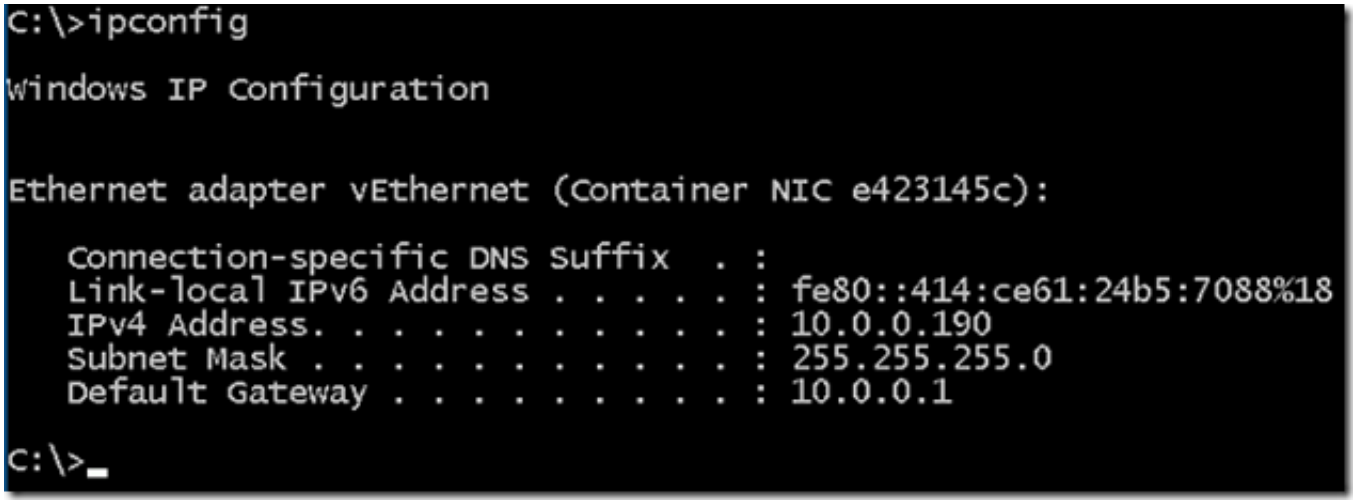
content/uploads/2017/04/image-157.png)

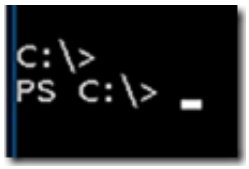
- Once the container is up and running, type **ipconfig** to view the IP details.



(https://www.assistanz.com/wp-content/uploads/2017/04/image-158.png)

- We got an IP as **10.0.0.190**. Now the NAT translation has been set from the host IP to container IP.

- Press CTRL+PQ to disconnect from the container.



(https://www.assistanz.com/wp-content/uploads/2017/04/image-159.png)

- Type **docker ps** command.

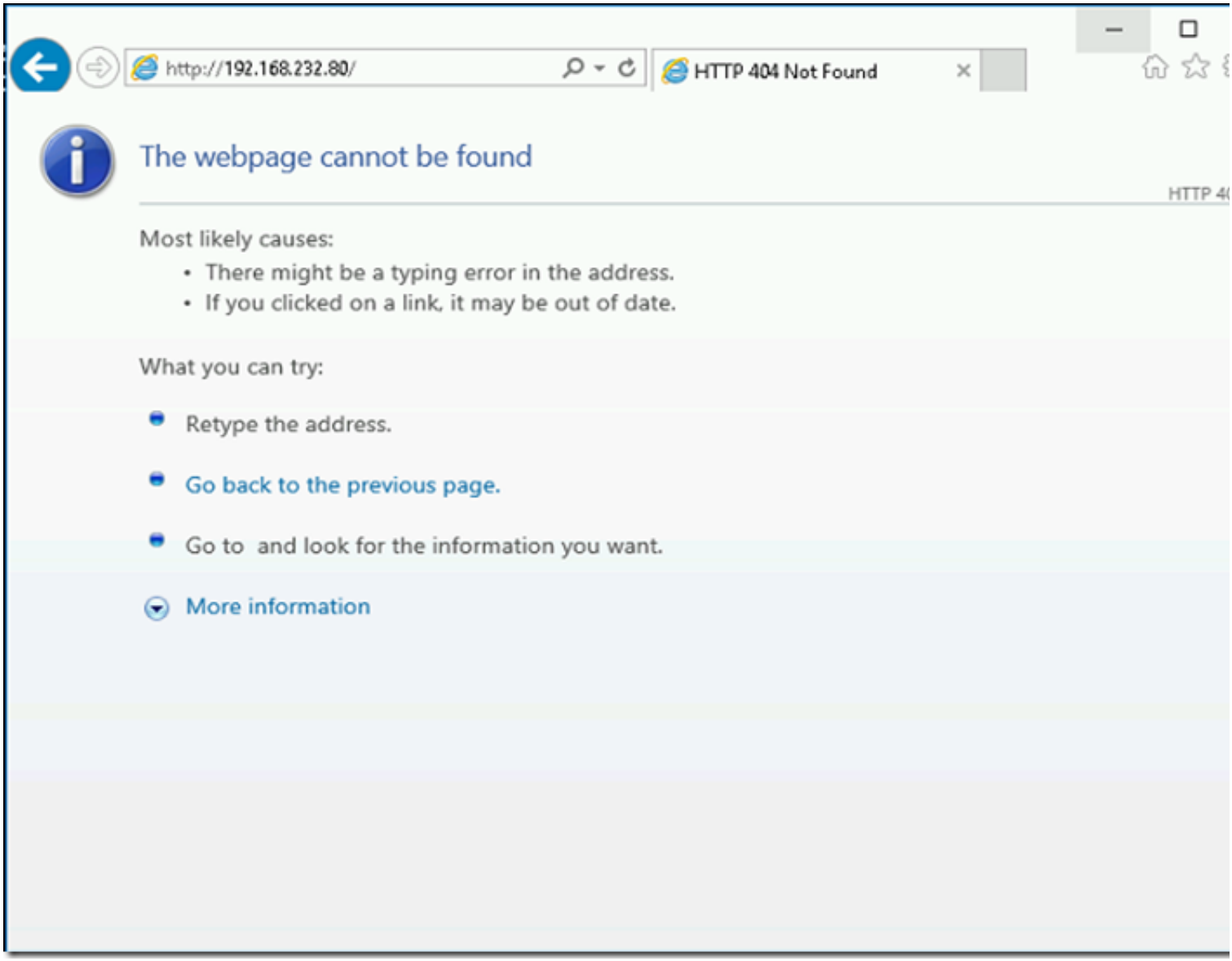
```
PS C:\> docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS
      NAMES
5105fc1d17c2        azcontainerr/web    "powershell"        17 hours ago        Up 10 minutes
tcp   fervent_northcutt
PS C:\> _
```

(https://www.assistanz.com/wp-content/uploads/2017/04/image-160.png)

- You can see our **port mapping** has been shown above.

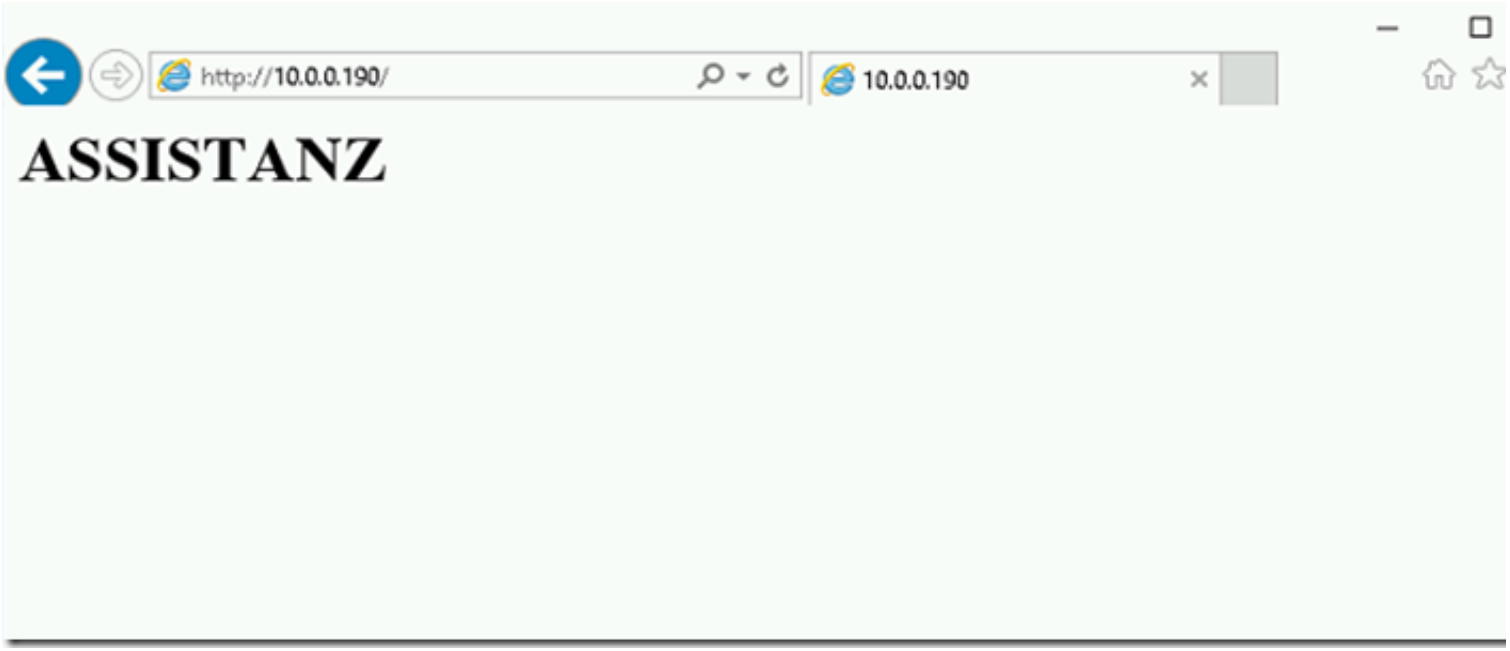
- Now we use the windows container host IP (192.168.232.80) to access the container web application.

- We cannot access the web application using container host IP from container host itself. This limitation is how wi
  We hope microsoft will fix in the future version. If we try to browse the container host IP through web browser, w
  below output.



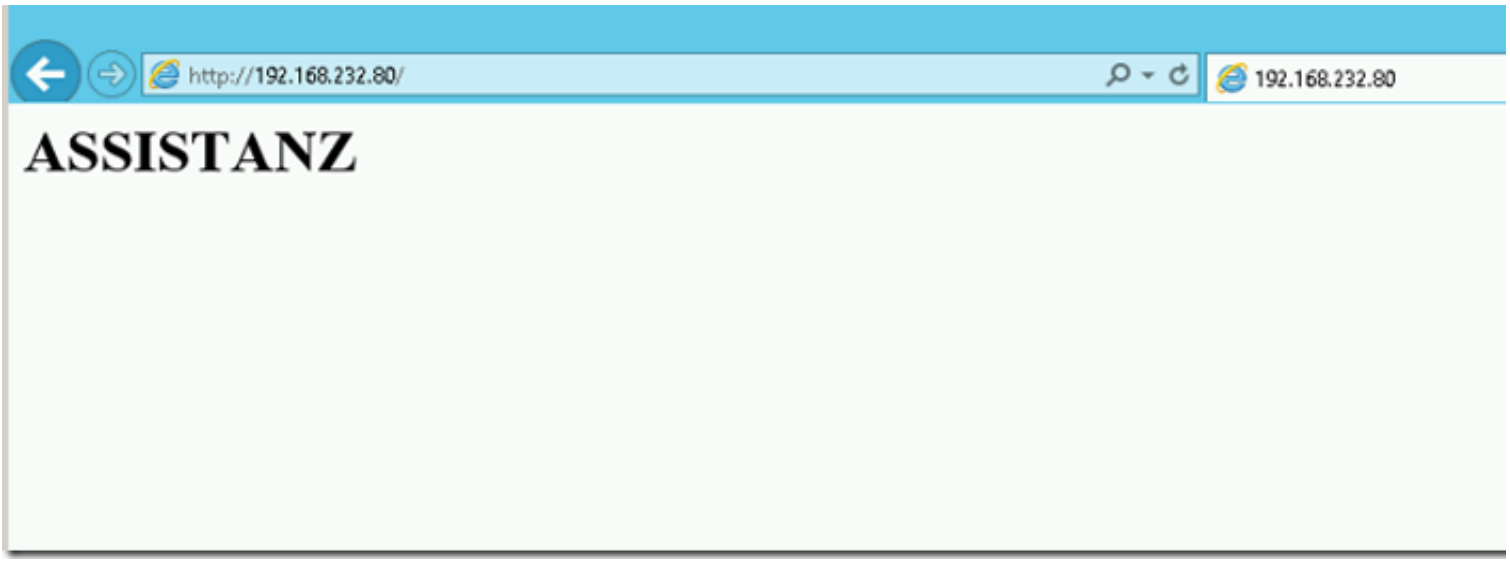
(https://www.assistanz.com/wp-content/uploads/2017/04/image-161.png)

- You can able to access the container application using container IP (10.0.0.190).



(https://www.assistanz.com/wp-content/uploads/2017/04/image-162.png)

- Able to access the windows container host IP from the client machine.



(https://www.assistanz.com/wp-content/uploads/2017/04/image-163.png)

VIDEO