

Weave on Tutum



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The Docker platform for Dev and Ops



Build

Containerize your applications and accelerate development.



Deploy

All frameworks and technologies welcomed. Scale with ease on any Cloud.

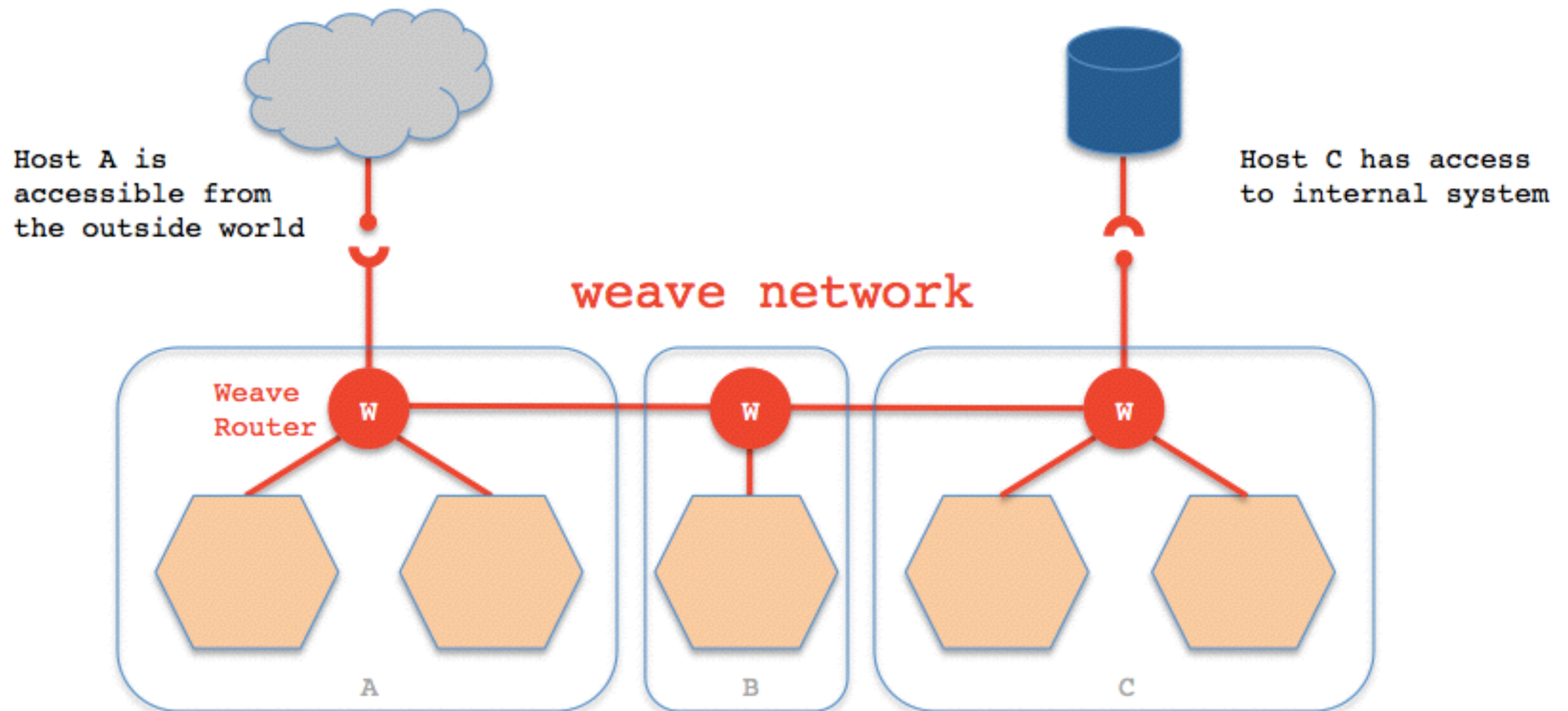


Manage

Simplify operations, focus on your code, and forget about managing servers.



weave



Hosts A, B & C running the containers shown in previous figure

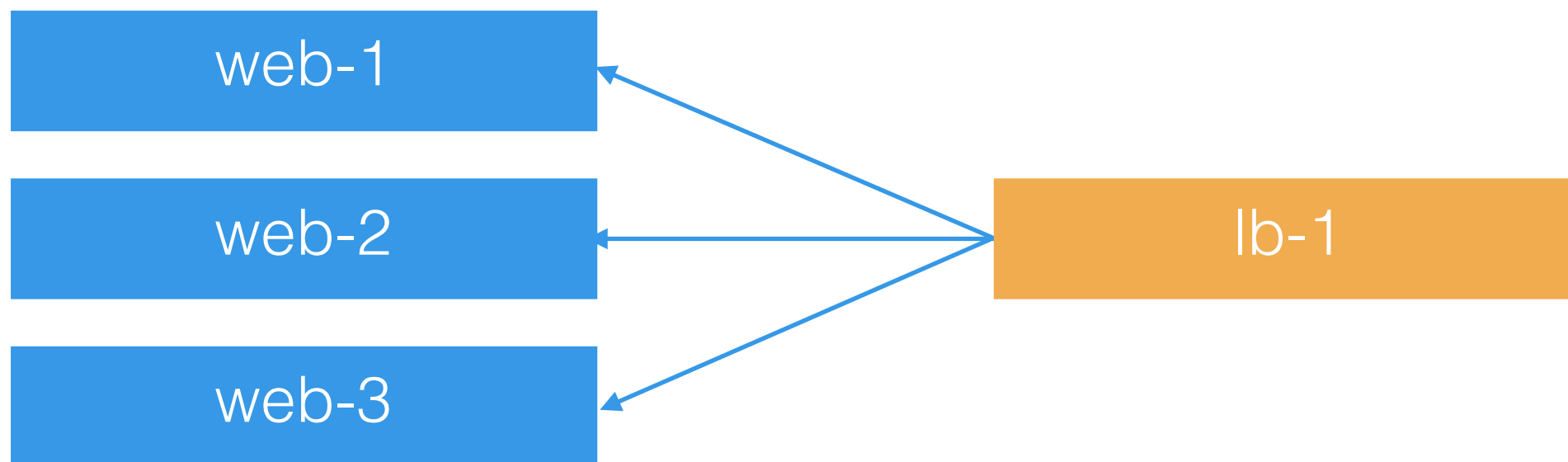


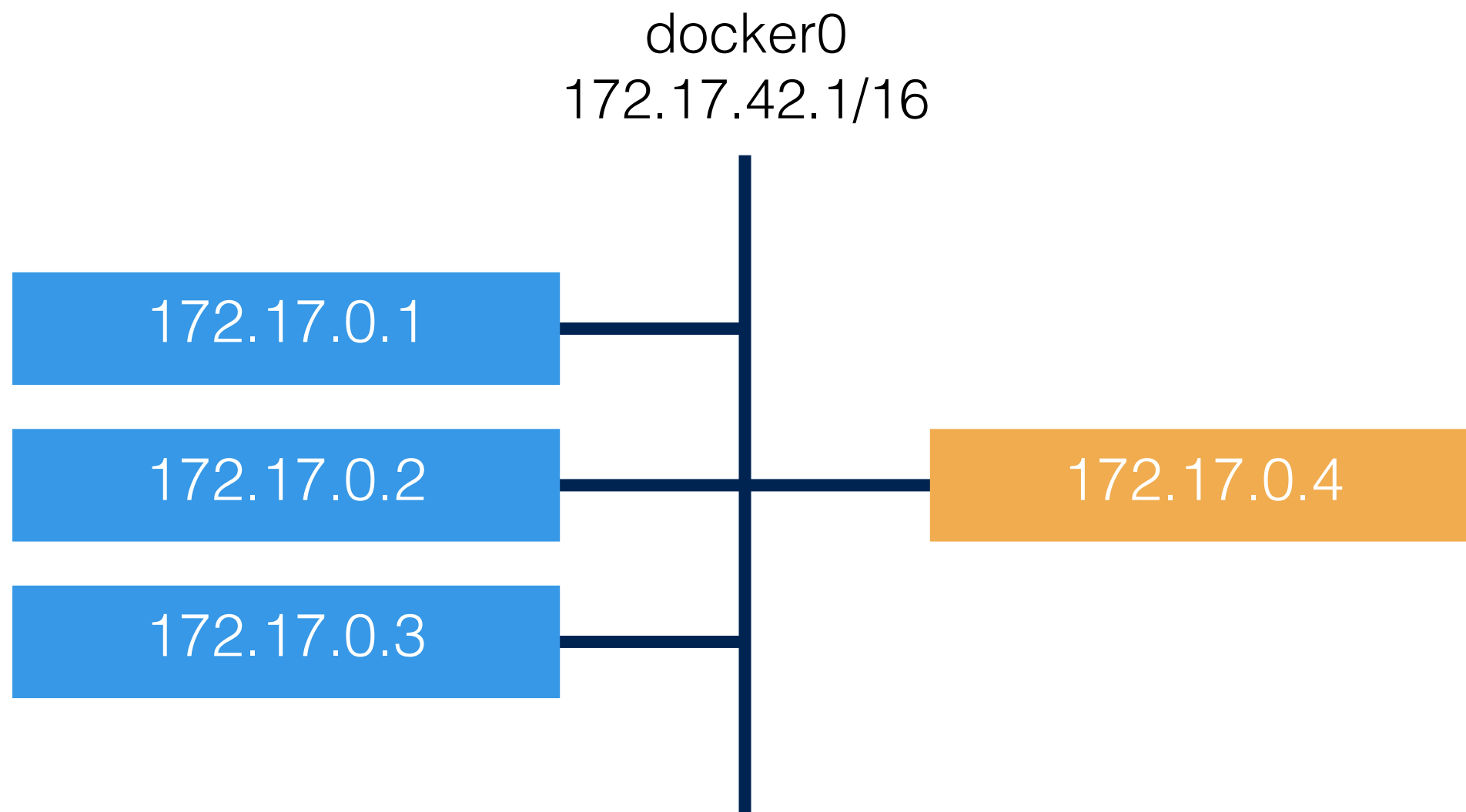
the problem

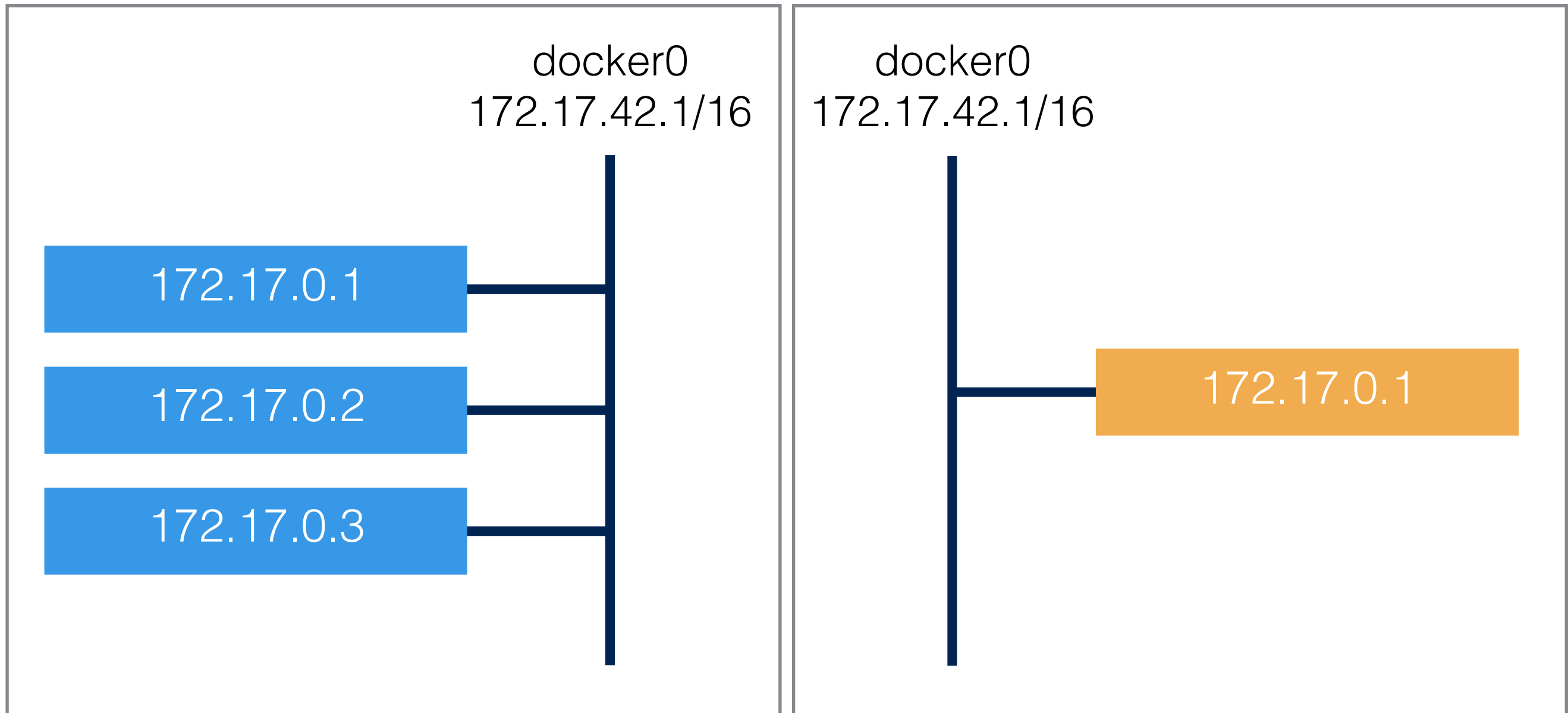


docker-compose.yml

```
web:
  image: tutum/hello-world
  target_num_containers: 3
lb:
  image: tutum/haproxy
  links:
    - web
  ports:
    - "80:80"
```









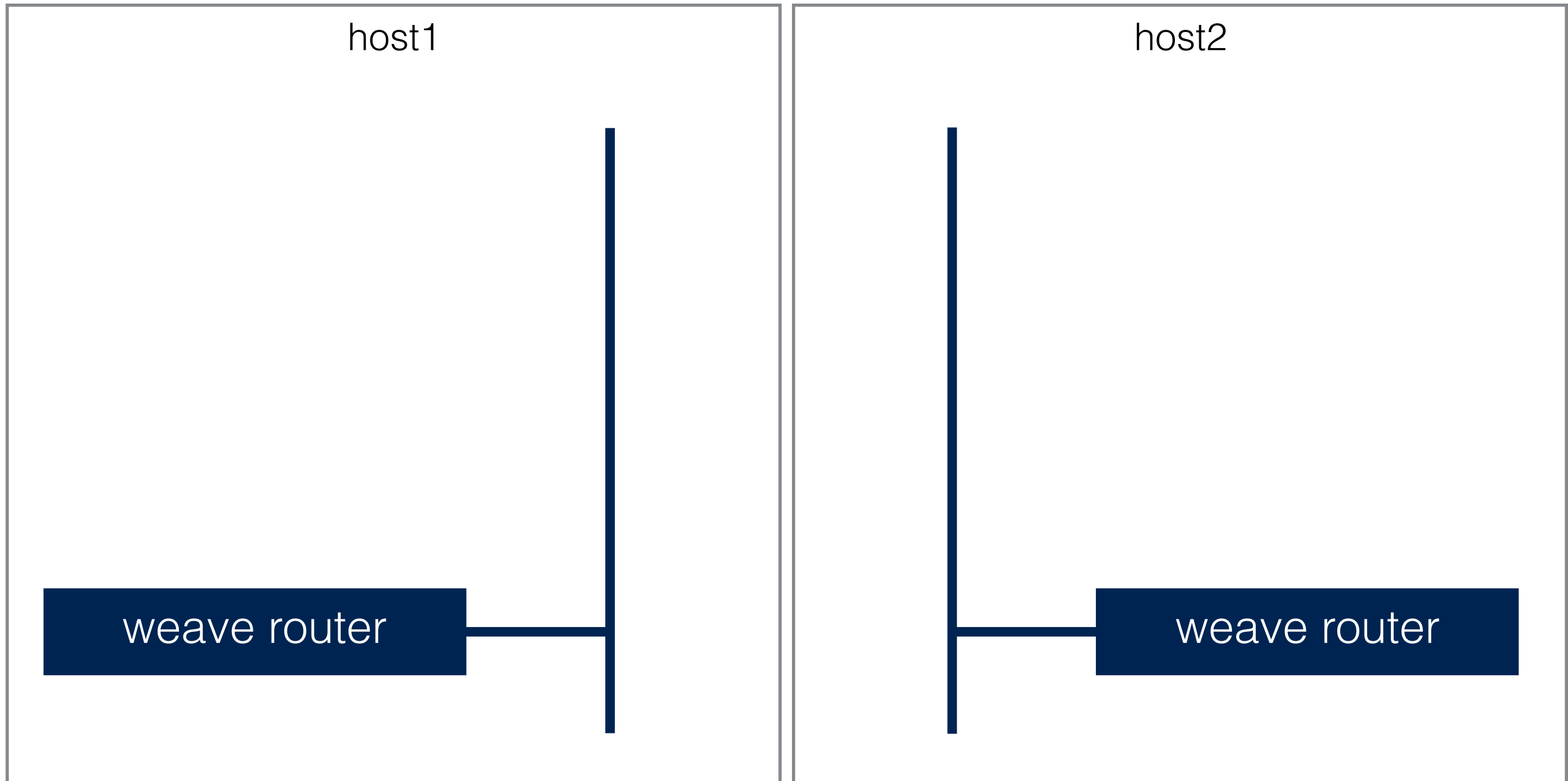
how



solves it

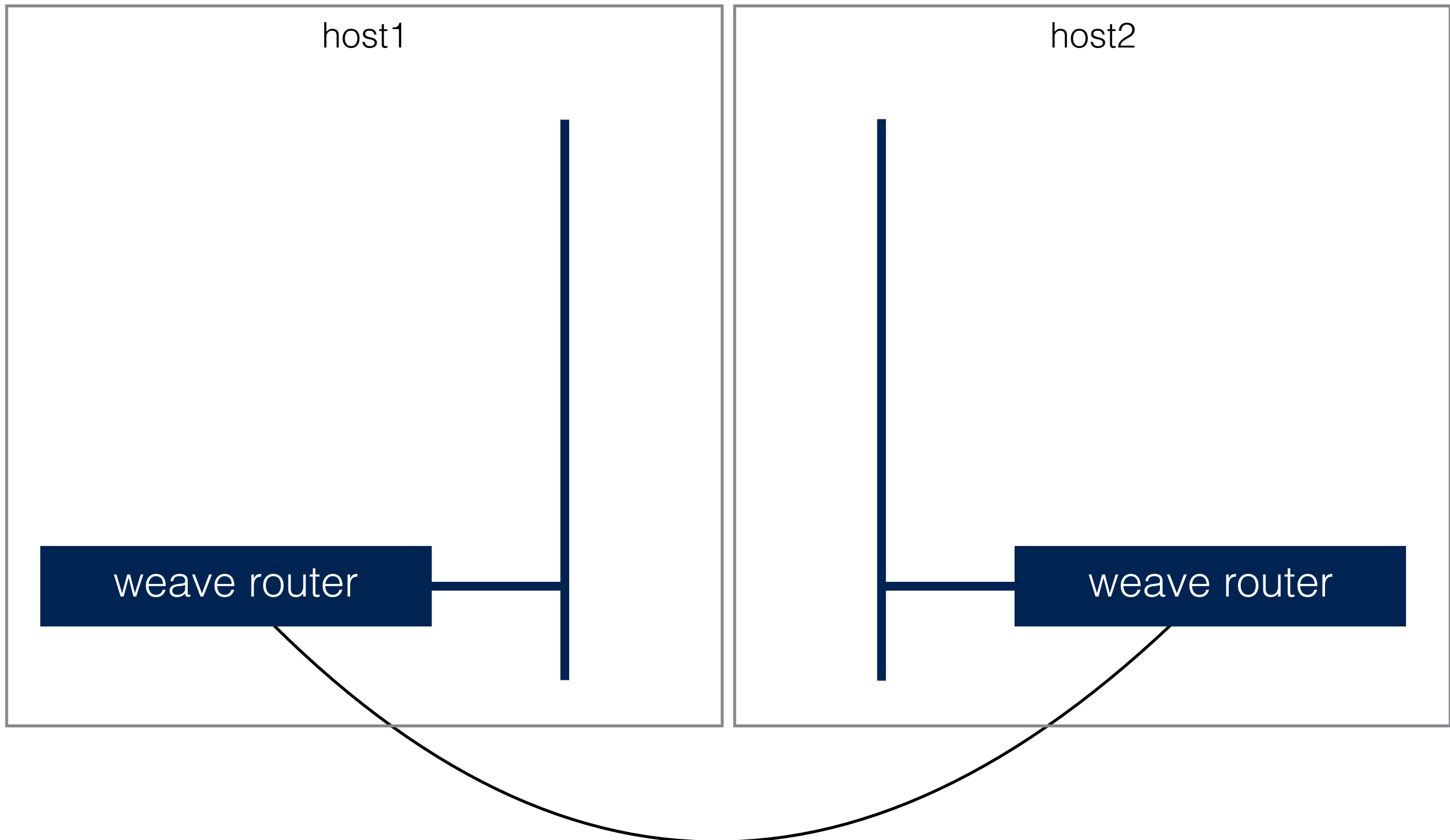


```
host1$ weave launch  
host2$ weave launch
```



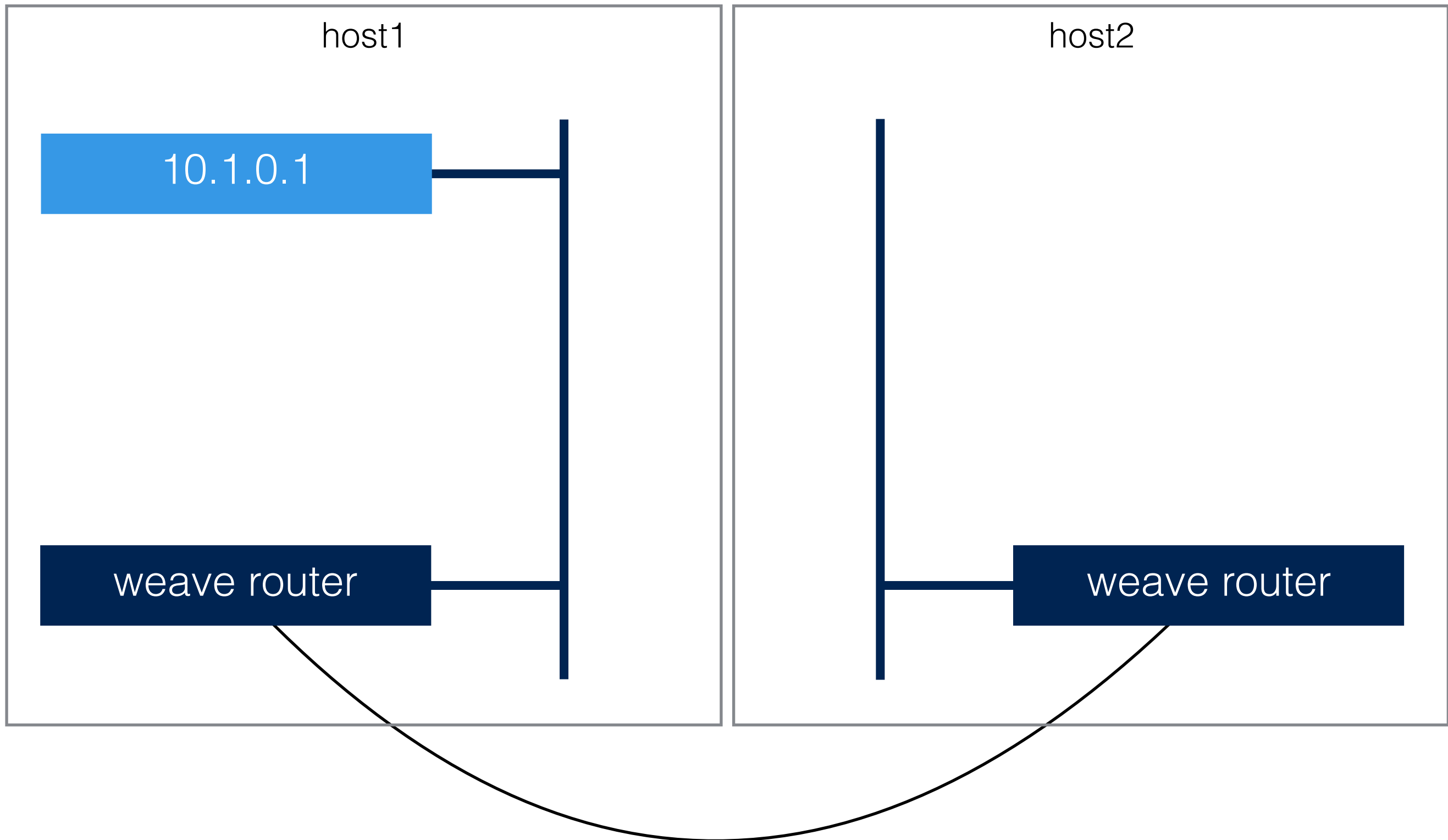


```
host1$ weave connect $HOST2_IP
```



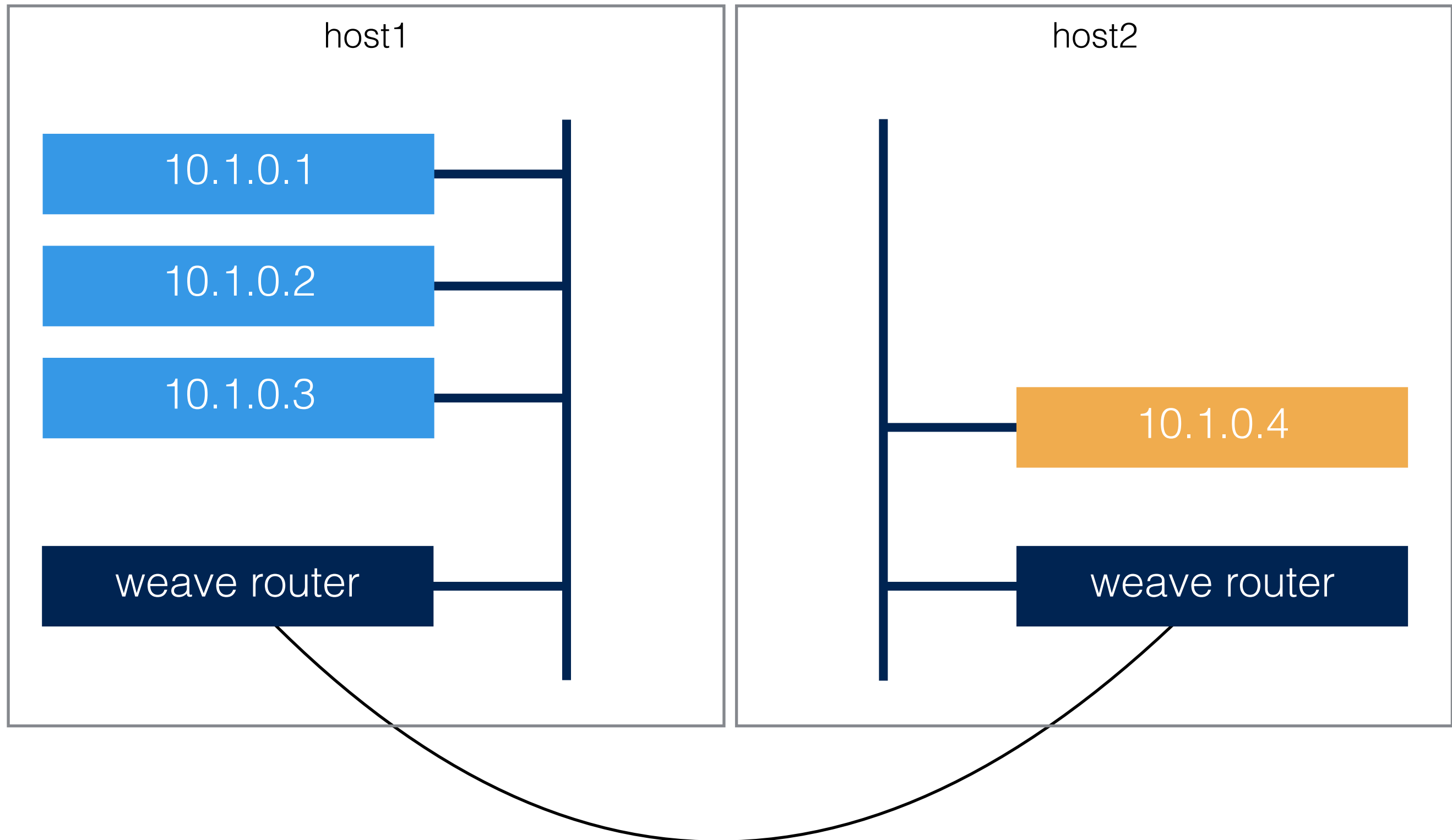


```
host1$ weave run 10.1.0.1/24 tutum/hello-world
```





```
host2$ weave run 10.1.0.4/24 tutum/haproxy
```

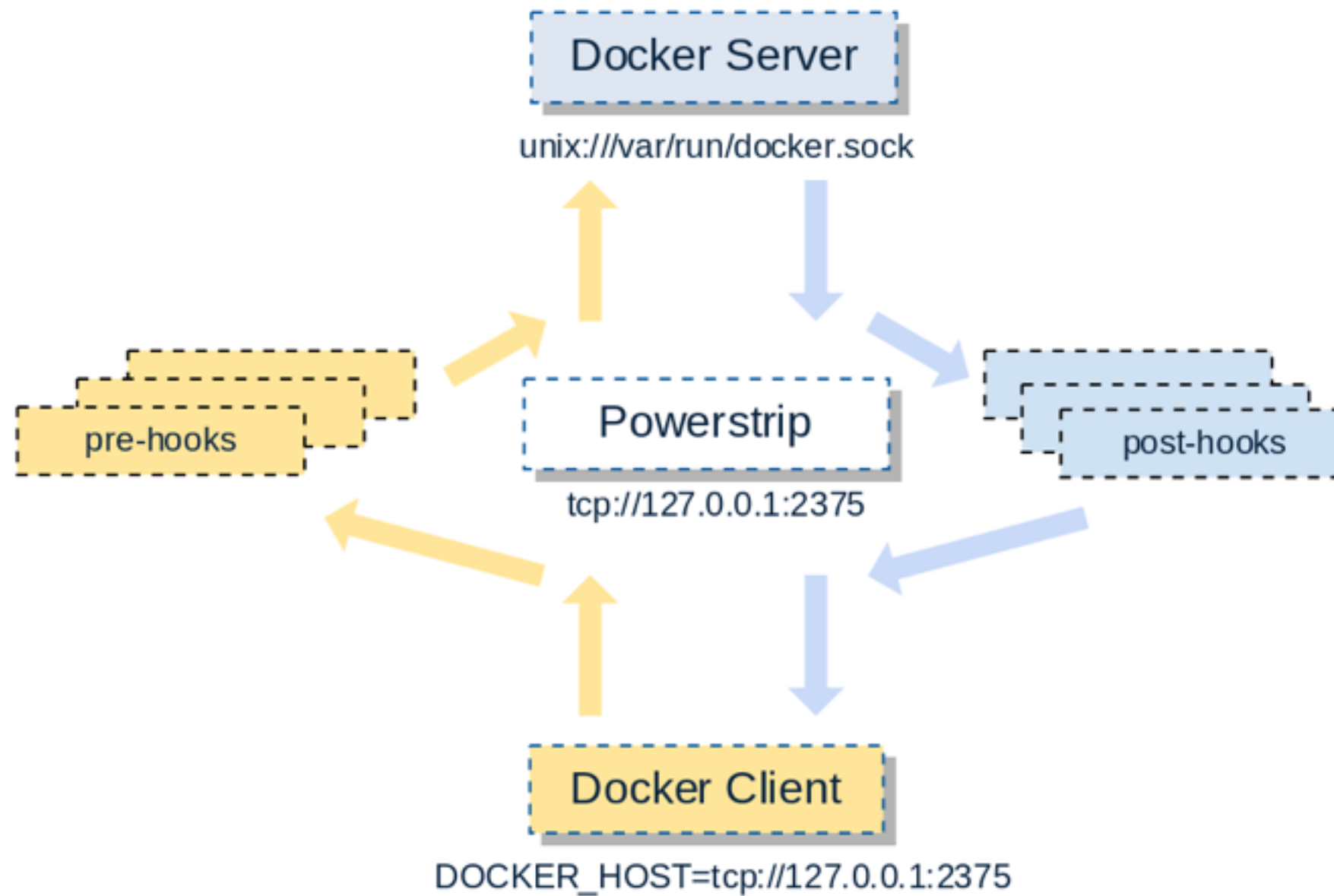




demo



Using Powerstrip



<https://github.com/ClusterHQ/powerstrip>



At Tutum: weave-daemon

IPs are allocated at deploy time

IP injected in `$TUTUM_IP_ADDRESS`

weave-daemon listens for docker and tutum events

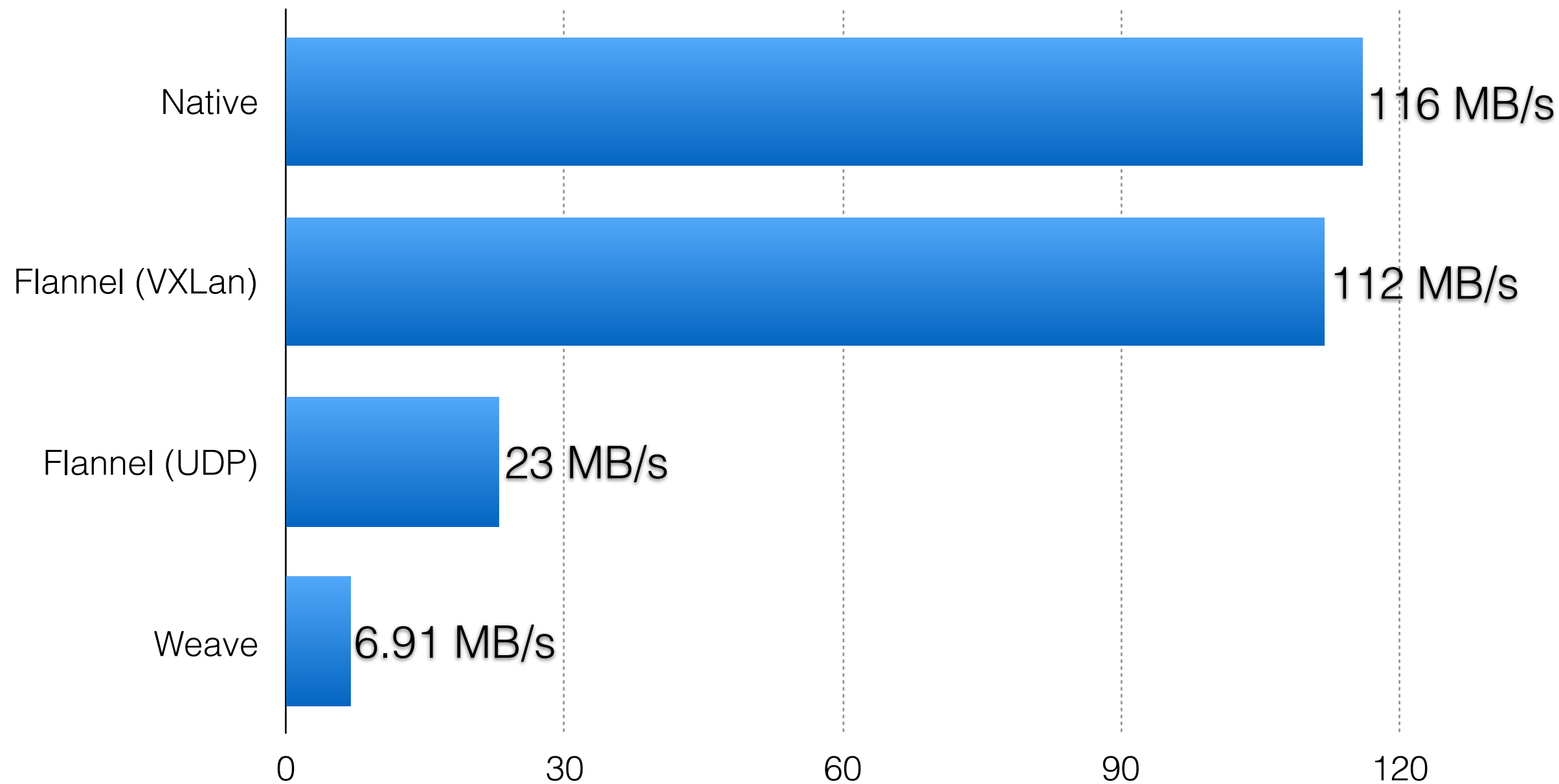
on new container started: `weave attach`

on new node launched: `weave connect`

on node termination: `weave forget`

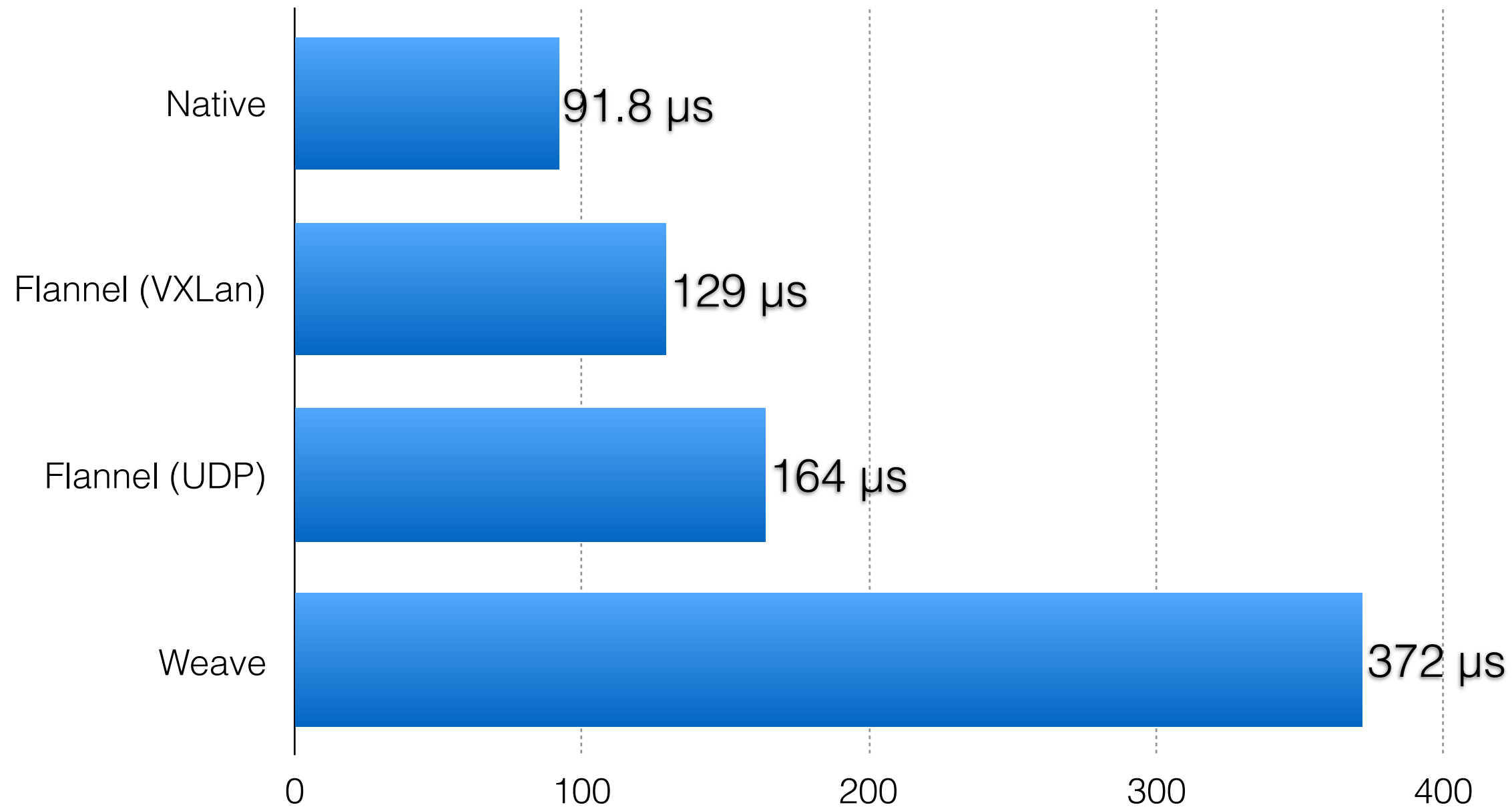


Performance





Performance





What's next for Weave

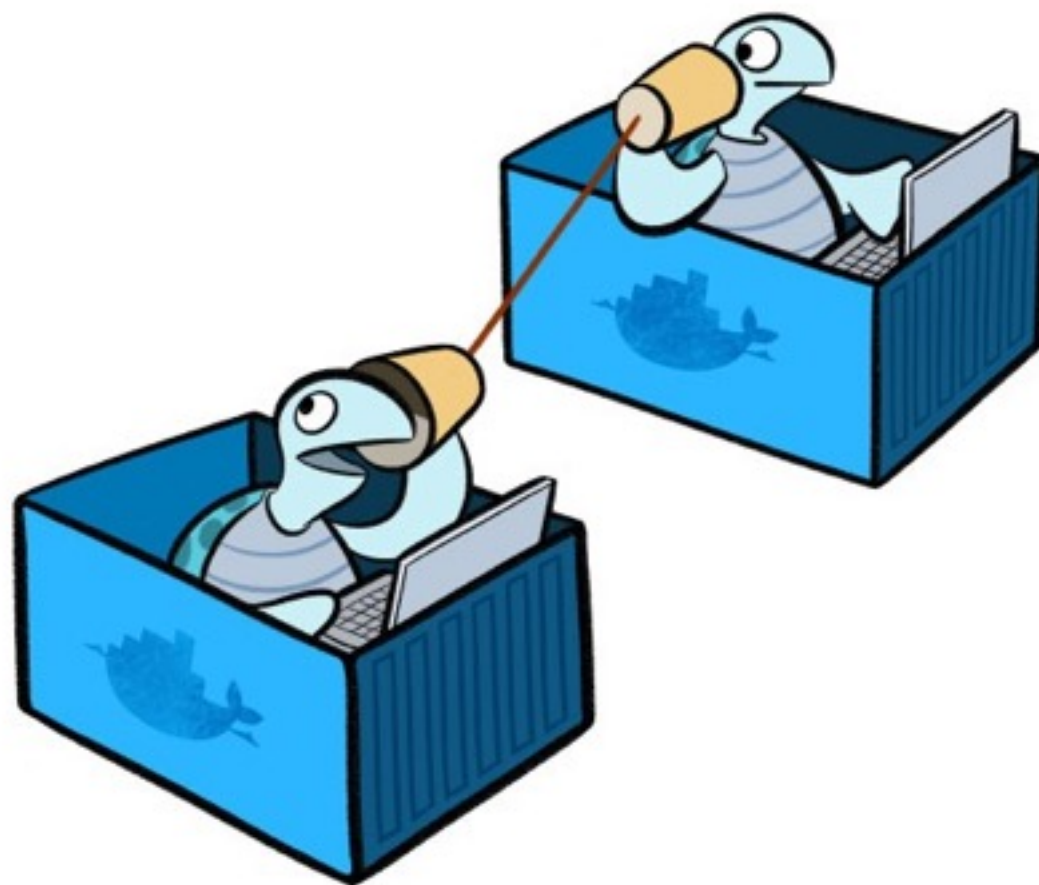
Using kernel space

WeaveDNS

IPAM

Integration with libnetwork

What's next for Docker networking



<https://github.com/docker/libnetwork>

Thanks!

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