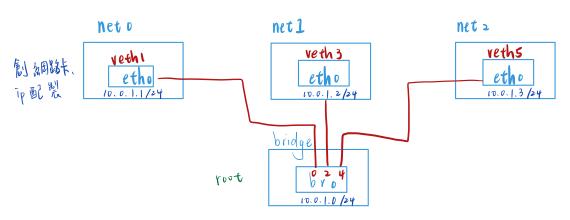
docher 虚额化技术了:隔離 独立批

> user , mount network 、 proccess 、 UTS namespace 循立主机名稱、土或名

> > 不器, 时间水林

minine+ 使用3 hetwork namespace 創造了不同的效用語室問

lest 1: network namespace 隔離



#apt install bridge-utils

創立一個bridge bro

ip link add bro eype bridge # ip link see dev bro up

broth show

创造 - 图 namespace

ip nets add

Tp nets ds

netl

刨 veth pair (虚较的2大網路卡) (积創送出来的的候是-xz)

ip link add type veth

ip link

... veth 1) - x3

ifconfig -a

··· vetho

版 veth pair 教ip

創網路空間

[TNAME]

ip netus add neto /netl/net2

ip netns 13

net o

net1

netz

在網路空間中執行命令

ip nets exec neto ip addr # ip nots exec noto bash

ip addr

```
# ip link set der veth1 nots neto
$E veth1 2xx echo
# ip nets exec neto ip link set der veth1 name etho

# ip nets exec neto ip addr add 10.0.1.1 /24 der etho

# ip nets exec neto ip link set der ocho up

# ip nets exec neto ip link set der ocho up

# ip nets exec neto ip addr 6how
```

etho ;

Inet 10.0.1.1/24

ip link set der veth; nots net;

ip nets exec net; ip link set der veth; name etho

ip nets exec net; ip addr add 10.0.1.2/24 der etho

ip nets exec net; ip link set der etho up

ip nots exec net; ip addr show

ip link set der vetht nots nete

ip nets exec nete ip link set der vetht name etho

ip nets exec nete ip addr add 10.0.1.3/24 der etho

ip nets exec nete ip link set der zeho up

ip nets exec nete ip addr show

bridge

*pu是th

ip link set dev vetho master bro

```
# broth Show bridge name bro
```

interface vetho. 24

发表 # ip link set dev vetho up

if working

bro : veth o veth 4

ip hefns exec neto ping 10.0.1.2 -C

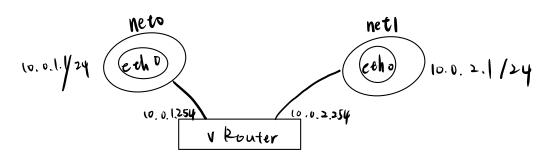
window > # ip netus exec Net1 topdump - nn -i etho

1 # ip hotus exec neto ping 10,0.1,2 -C

- 2 # ip notes exec net i echo hi > hi. hem # ip notes exec net i python -m Simple HTTP Server 80 1 # ip netes exec neto curl http:// 10.0.1.2/hj. htm
- 和小孩 # broth delif dro vetho

ip link delete vetho # ifconfig delbr bro # broth delbr bro # ip netns del neto

棋鏡 不同細路之間如何通訊



启文部路由工户首色

cat /proc/sys/net/ipv4/ip-forward

euho 1 > /proc/sys/net/ipv4/ip-foward

euho D > /pro-/645/nee/ipo4/ip-foward

ip netns add neto/net1
ip netns 15

ip link add type veth x2

ip link set dev veth1 nets neto # ip nets exec neto ip link set dev veth1 name etho

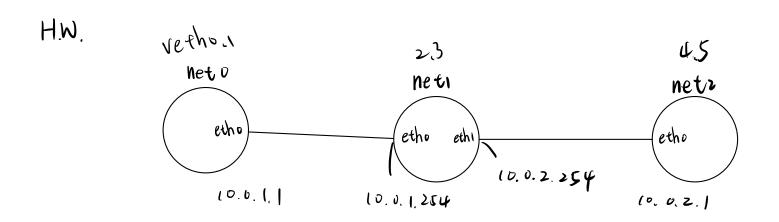
ip nets exec neto ip addr add 10.0.1.1/24

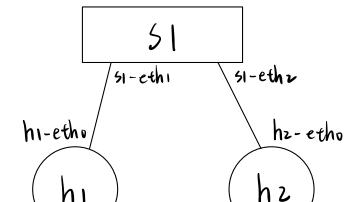
ip nets exec neto ip link set dev etho up

ip noes exec need ip addr show

ip notus exec noto ip route add default via 10.0.1.254

ip link set dev vethi nots neto # ip nets exec het p ip link set der vethy name etho # ip nets exec net of ip addr add 10.0.2.1 /24 dev etho # ip nets exec net of ip link set dev etho up # ip nees exec need ip addr show # ip notes exec neto ip route add default via 10.0.7.254 5how # ifconfig verho up # ip addr add 10.0.1.254/24 dov veth o # ifconfig # ip hetus exec neto ping 10.0.2.1 # ip link delete retho #ip netns del neto netl





Mn -- topo single,3
> net