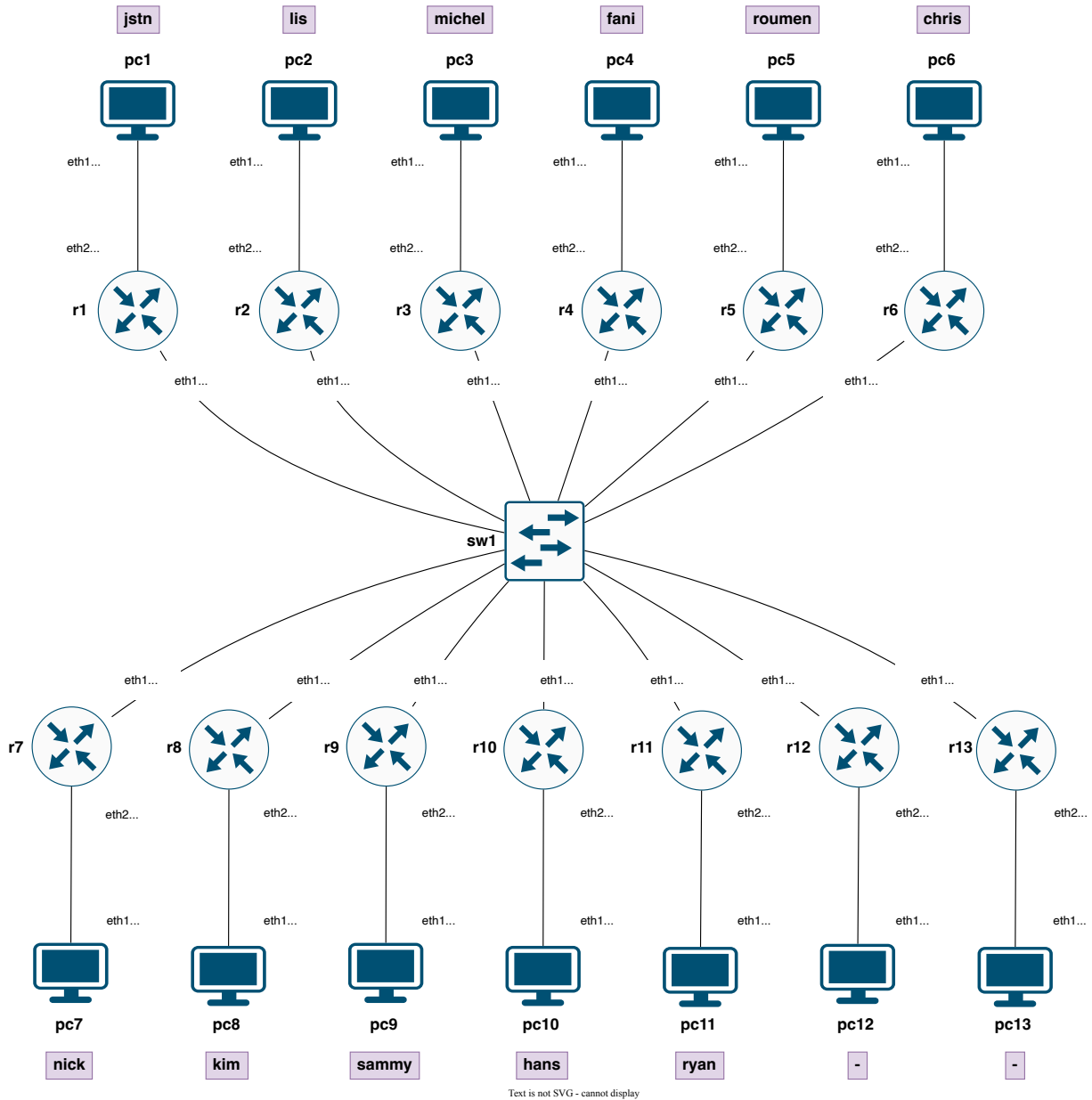

S1E9 - Catchup

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Topology

Topology: five-routers-five-pcs



Catch-up cheat-sheet (1/5)

Connect to the lab server:

```
local$ ssh-keygen -R netlab.nanocat.net
```

```
local$ ssh lab@netlab.nanocat.net
```

Password: (see discord)

Connect to your router:

```
lab@netlab$ list-routers
```

<- list all lab routers

```
lab@netlab$ list-pcs
```

<- list all lab PCs

```
lab@netlab$ docker exec -it clab-clintro-r7 Cli
```

<- connect to your router

Catch-up cheat-sheet (2/5)

Configure your router interfaces:

```
r7>enable          <- enable mode
r7#configure      <- configuration mode
r7(config)#interface ethernet 1
r7(config-if-eth1)#description Link to Switch
r7(config-if-eth1)#no switchport
r7(config-if-eth1)#ip address 10.0.0.7/24
r7(config-if-eth1)#interface ethernet 2
r7(config-if-eth2)#description Link to PC
r7(config-if-eth2)#no switchport
r7(config-if-eth2)#ip address 192.168.7.1/24
r7(config-if-eth2)#exit
r7(config)#
```

Catch-up cheat-sheet (3/5)

Ensure you haven't got any leftover static routes:

```
r7#show run
r7#show run | include ip route
```

If you see any static routes, remove them:

```
r7#configure
r7(config)#no ip route 192.168.1.0/24 10.0.0.1
r7(config)#no ip route 192.168.xxx.0/24 10.0.0.xxx
r7(config)#exit
r7#
```

Catch-up cheat-sheet (4/5)

Enable routing, and configure RIP:

```
r7(config)#ip routing
r7(config)#router rip
r7(config-router)#no shutdown
r7(config-router)#network 10.0.0.0/8
r7(config-router)#end
r7#wr          <- save your configuration
```

Catch-up cheat-sheet (5/5)

Verify your configuration:

```
r7#ping 192.168.7.2          <- can you ping your PC?
r7#ping 10.0.0.5            <- can you ping your neighbours?
r7#ping 10.0.0.8            <- try a bunch
r7#ping 10.0.0.2            <- to make sure
r7#show ip route             <- look at your routing table
r7#ping 192.168.5.2         <- can you ping your neighbours' PC?
r7#ping 192.168.9.2         <- try some more
r7#ping 192.168.1.2         <- then you're sure
r7#show run                  <- take a look at your configuration
r7#show run | section router rip <- filter for specific text
```