

Agenda



Sockets

Iptables

Infrastructure

Sockets



User Space representation of endpoint of network connection Socat

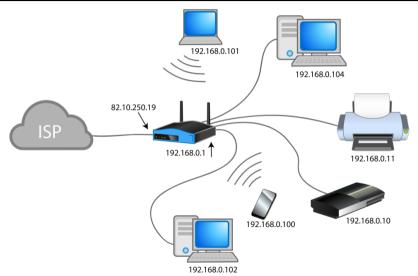
socat tcp-listen:8080, reuseaddr, fork exec: "cat file"

socat tcp:192.168.0.1:8080 - > file

Iptables



- ► Firewall
- ► SNAT
- ► DNAT



Iptables - Filter



Fi	lter	Table

Chain INPUT (policy ACCEPT)
target
Chain FORWARD (policy ACCEPT)
target
Chain OUTPUT (policy ACCEPT)
target

prot opt source destination
prot opt source destination
prot opt source destination

Iptables - NAT



NAT Table	Chain PREROUTING (policy ACCEPT) target Chain INPUT (policy ACCEPT)	prot opt source	destination
	target Chain OUTPUT (policy ACCEPT) target Chain POSTROUTING (policy ACCEPT) target	prot opt source	destination
		prot opt source	destination
		prot opt source	destination

Infrastructure



- ► DNS
 - ▶ nslookup
 - ▶ dig +trace
- ► DHCP
 - ► dhcpcd