


```
- [redacted] B [redacted] 8988 [redacted] A [redacted]
- **ACL [redacted] ** [redacted]
- [redacted] B [redacted] ACL [redacted] 192.168.1.64→192.168.10.3
[redacted]
```

```
#### 2. ** [redacted] **
- ** [redacted] ** [redacted]
``bash
# [redacted] Linux [redacted]
sudo iptables -L -n | grep 8988
sudo firewall-cmd --list-ports # CentOS
...
```

```
- [redacted] → [redacted]
- ** [redacted] ** [redacted]
- [redacted] IP [redacted] 192.168.10.3 [redacted]
```

```
#### 3. ** [redacted] Asymmetric Routing [redacted] **
- [redacted] \ [redacted] → [redacted] A → [redacted] B → [redacted] \
- [redacted] \ [redacted] → [redacted] B → [redacted] A [redacted] \
- ** [redacted] ** [redacted]
``bash
# [redacted]
traceroute 192.168.1.64
...
```

```
#### 4. **MTU/MSS [redacted] **
- [redacted] MTU [redacted]
- ** [redacted] ** [redacted]
``bash
# [redacted]
ping -s 1472 -M do 192.168.10.3 # [redacted] -s [redacted]
...
```

```
#### 5. ** [redacted] **
- [redacted] /NAT [redacted] Connection Tracking [redacted]
- ** [redacted] ** [redacted]
- [redacted] A/B [redacted] NAT [redacted] TCP [redacted] 5-30 [redacted]
```

```
### ** [redacted] **
```

```
#### [redacted]
```

```
1. ** [redacted] ** [redacted]
``bash
sudo tcpdump -i any host 192.168.1.64 and port 8988 -w /tmp/server_response.pcap
```

...

- [redacted]

2. ** [redacted] **

```bash

tcpdump -i any host 192.168.10.3 and port 9988 -w /tmp/device\_receive.pcap

...

##### [redacted]

1. \*\* [redacted] \*\*

```bash

[redacted]

traceroute -n -T -p 9988 192.168.1.64

...

2. ** [redacted] **

```bash

# [redacted]

nc -zv 192.168.1.64 9988

...

##### [redacted]

1. \*\* [redacted] A/B [redacted] \*\*

- [redacted] NAT [redacted]

```cisco

! [redacted] Cisco [redacted]

ip nat inside source static tcp 192.168.1.64 9988 192.168.10.3 8988

ip nat outside source static tcp 192.168.10.3 8988 192.168.1.64 9988

...

- [redacted] ACL [redacted]

2. ** [redacted] **

- [redacted] 9988 [redacted]

- [redacted] Windows/Linux/[redacted] OS [redacted]

** [redacted] **

1. ** [redacted] NAT/[redacted] **

- [redacted] B [redacted]

...

[redacted] IP:8988 → 192.168.10.3:8988

...

- [redacted] A [redacted]

