

# PRAKTIKUM KEAMANAN JARINGAN KOMPUTER

## Modul 2

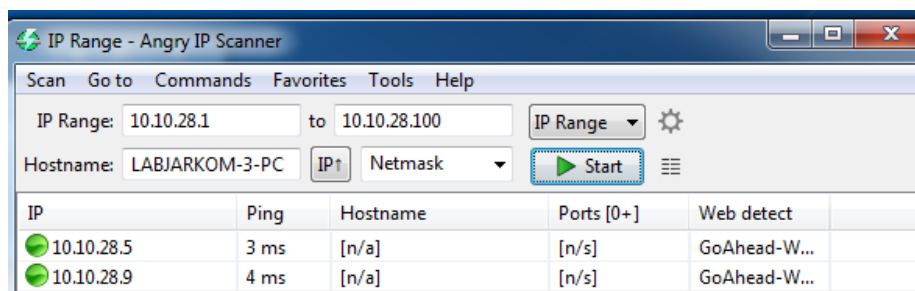
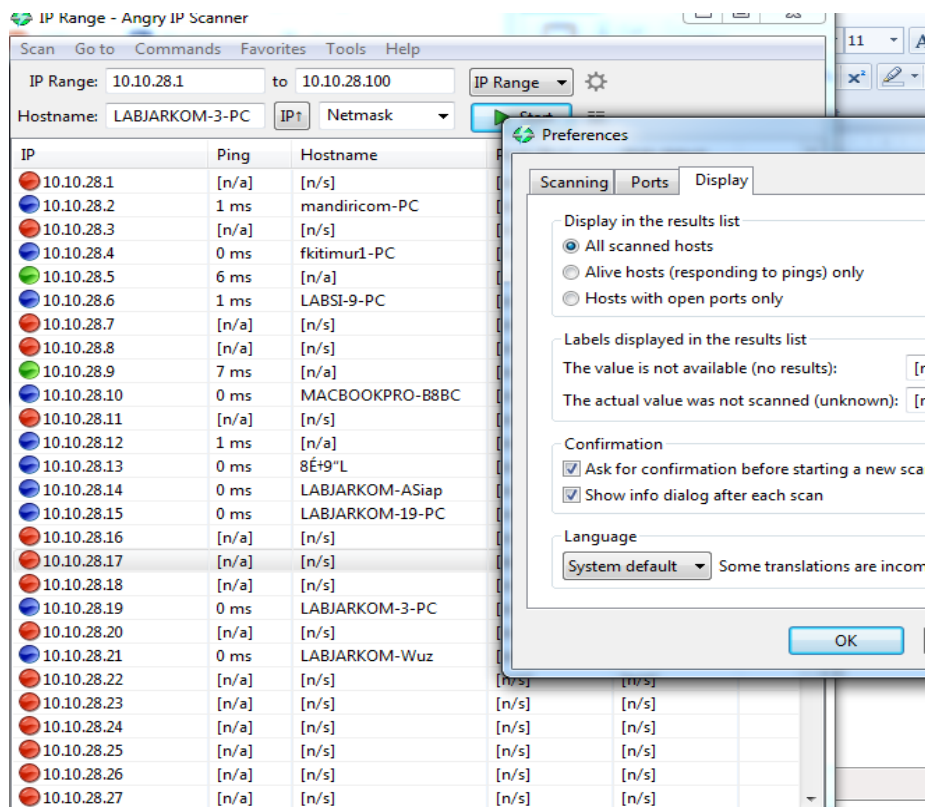
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Kelas : A

I.

II. **Percobaan 1** : Mencari komputer yang hidup/ aktif dengan program Angry IP Scanner



## I. Percobaan 2 : Mencari Port yang terbuka dengan nmap

- Teknik -sS

```
C:\>nmap -sS olx.co.id
Starting Nmap 7.80 ( https://nmap.org ) at 2020-03-09 18:25 SE Asia Standard Time
Nmap scan report for olx.co.id (204.74.99.100)
Host is up (0.0023s latency).
rDNS record for 204.74.99.100: crs.ultradns.net
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http
Nmap done: 1 IP address (1 host up) scanned in 6.14 seconds
```

```
C:\>nmap -sS sociolla.com
Starting Nmap 7.80 ( https://nmap.org ) at 2020-03-09 18:17 SE Asia Standard Time
Nmap scan report for sociolla.com (52.74.63.3)
Host is up (0.021s latency).
Other addresses for sociolla.com (not scanned): 13.228.176.106
rDNS record for 52.74.63.3: ec2-52-74-63-3.ap-southeast-1.compute.amazonaws.com
Not shown: 997 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http
443/tcp   open  https
Nmap done: 1 IP address (1 host up) scanned in 5.49 seconds
```

```
C:\>nmap -sS twitter.com
Starting Nmap 7.80 ( https://nmap.org ) at 2020-03-09 18:19 SE Asia Standard Time
Nmap scan report for twitter.com (104.244.42.65)
Host is up (0.0039s latency).
Not shown: 997 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http
443/tcp   open  https
Nmap done: 1 IP address (1 host up) scanned in 22.05 seconds
```

- Teknik -sT

```
C:\>nmap -sT olx.co.id
Starting Nmap 7.80 ( https://nmap.org ) at 2020-03-09 18:23 SE Asia Standard Time
Nmap scan report for olx.co.id (204.74.99.100)
Host is up (0.021s latency).
rDNS record for 204.74.99.100: crs.ultradns.net
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http
Nmap done: 1 IP address (1 host up) scanned in 48.66 seconds
```

```
C:\>nmap -sT sociolla.com
Starting Nmap 7.80 ( https://nmap.org ) at 2020-03-09 18:22 SE Asia Standard Time
Nmap scan report for sociolla.com (13.228.176.106)
Host is up (0.00049s latency).
Other addresses for sociolla.com (not scanned): 52.74.63.3
rDNS record for 13.228.176.106: ec2-13-228-176-106.ap-southeast-1.compute.amazonaws.com
Not shown: 997 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http
443/tcp   open  https
Nmap done: 1 IP address (1 host up) scanned in 45.47 seconds
```

```
C:\>nmap -sT twitter.com
Starting Nmap 7.80 ( https://nmap.org ) at 2020-03-09 18:20 SE Asia Standard Time
Nmap scan report for twitter.com (104.244.42.1)
Host is up (0.025s latency).
Not shown: 997 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http
443/tcp   open  https
Nmap done: 1 IP address (1 host up) scanned in 57.66 seconds
C:\>
```

## II. Percobaan 3 : Scanning port dnegan menggunakan Netcat

- Sociolla.com

```
C:\netcat>nc -u -v -z -w2 sociolla.com 1-500
DNS fwd/rev mismatch: sociolla.com != 106.176.228.13.in-addr.arpa
DNS fwd/rev mismatch: sociolla.com != 3.63.74.52.in-addr.arpa
sociolla.com [13.228.176.106] 500 (isakmp) open
sociolla.com [13.228.176.106] 499 (?) open
sociolla.com [13.228.176.106] 498 (?) open
sociolla.com [13.228.176.106] 497 (?) open
sociolla.com [13.228.176.106] 496 (?) open
sociolla.com [13.228.176.106] 495 (?) open
sociolla.com [13.228.176.106] 494 (?) open
sociolla.com [13.228.176.106] 493 (?) open
sociolla.com [13.228.176.106] 492 (?) open
sociolla.com [13.228.176.106] 491 (?) open
sociolla.com [13.228.176.106] 490 (?) open
sociolla.com [13.228.176.106] 489 (?) open
sociolla.com [13.228.176.106] 488 (?) open
sociolla.com [13.228.176.106] 487 (?) open
sociolla.com [13.228.176.106] 486 (?) open
sociolla.com [13.228.176.106] 485 (?) open
sociolla.com [13.228.176.106] 484 (?) open
sociolla.com [13.228.176.106] 483 (?) open
sociolla.com [13.228.176.106] 482 (?) open
sociolla.com [13.228.176.106] 481 (?) open
sociolla.com [13.228.176.106] 480 (?) open
sociolla.com [13.228.176.106] 479 (?) open
sociolla.com [13.228.176.106] 478 (?) open
sociolla.com [13.228.176.106] 477 (?) open
sociolla.com [13.228.176.106] 476 (?) open
sociolla.com [13.228.176.106] 475 (?) open
sociolla.com [13.228.176.106] 474 (?) open
sociolla.com [13.228.176.106] 473 (?) open
sociolla.com [13.228.176.106] 472 (?) open
sociolla.com [13.228.176.106] 471 (?) open
sociolla.com [13.228.176.106] 470 (?) open
sociolla.com [13.228.176.106] 469 (?) open
sociolla.com [13.228.176.106] 468 (?) open
sociolla.com [13.228.176.106] 467 (?) open
sociolla.com [13.228.176.106] 466 (?) open
sociolla.com [13.228.176.106] 465 (?) open
```

```
C:\netcat>nc -v -z -w2 sociolla.com 1-500
DNS fwd/rev mismatch: sociolla.com != ec2-52-74-63-3.ap-southeast-1.compute.amazonaws.com
DNS fwd/rev mismatch: sociolla.com != ec2-13-228-176-106.ap-southeast-1.compute.amazonaws.com
sociolla.com [52.74.63.3] 500 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 499 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 498 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 497 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 496 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 495 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 494 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 493 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 492 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 491 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 490 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 489 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 488 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 487 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 486 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 485 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 484 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 483 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 482 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 481 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 480 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 479 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 478 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 477 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 476 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 475 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 474 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 473 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 472 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 471 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 470 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 469 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 468 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 467 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 466 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 465 (?): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 464 (kpasswd): TIMEDOUT (10060:10060)
sociolla.com [52.74.63.3] 463 (?): TIMEDOUT (10060:10060)
```

- ums.ac.id

```
C:\netcat>nc -u -v -z -w2 ums.ac.id 1-500
DNS fwd/rev mismatch: ums.ac.id != 210.174.226.103.in-addr.arpa
ums.ac.id [103.226.174.210] 500 (?) open
ums.ac.id [103.226.174.210] 499 (?) open
ums.ac.id [103.226.174.210] 498 (?) open
ums.ac.id [103.226.174.210] 497 (?) open
ums.ac.id [103.226.174.210] 496 (?) open
ums.ac.id [103.226.174.210] 495 (?) open
ums.ac.id [103.226.174.210] 494 (?) open
ums.ac.id [103.226.174.210] 493 (?) open
ums.ac.id [103.226.174.210] 492 (?) open
ums.ac.id [103.226.174.210] 491 (?) open
ums.ac.id [103.226.174.210] 490 (?) open
ums.ac.id [103.226.174.210] 489 (?) open
ums.ac.id [103.226.174.210] 488 (?) open
ums.ac.id [103.226.174.210] 487 (?) open
ums.ac.id [103.226.174.210] 486 (?) open
ums.ac.id [103.226.174.210] 485 (?) open
ums.ac.id [103.226.174.210] 484 (?) open
ums.ac.id [103.226.174.210] 483 (?) open
ums.ac.id [103.226.174.210] 482 (?) open
ums.ac.id [103.226.174.210] 481 (?) open
ums.ac.id [103.226.174.210] 480 (?) open
ums.ac.id [103.226.174.210] 479 (?) open
ums.ac.id [103.226.174.210] 478 (?) open
ums.ac.id [103.226.174.210] 477 (?) open
ums.ac.id [103.226.174.210] 476 (?) open
ums.ac.id [103.226.174.210] 475 (?) open
ums.ac.id [103.226.174.210] 474 (?) open
ums.ac.id [103.226.174.210] 473 (?) open
ums.ac.id [103.226.174.210] 472 (?) open
ums.ac.id [103.226.174.210] 471 (?) open
ums.ac.id [103.226.174.210] 470 (?) open
ums.ac.id [103.226.174.210] 469 (?) open
ums.ac.id [103.226.174.210] 468 (?) open
ums.ac.id [103.226.174.210] 467 (?) open
ums.ac.id [103.226.174.210] 466 (?) open
ums.ac.id [103.226.174.210] 465 (?) open
ums.ac.id [103.226.174.210] 464 (kpasswd) open
ums.ac.id [103.226.174.210] 463 (?) open
```

```
C:\netcat>nc -v -z -w2 www.ums.ac.id 1-500
DNS fwd/rev mismatch: www.ums.ac.id != 221.174.226.103.in-addr.arpa
www.ums.ac.id [103.226.174.221] 500 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 499 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 498 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 497 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 496 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 495 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 494 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 493 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 492 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 491 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 490 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 489 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 488 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 487 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 486 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 485 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 484 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 483 (?) : TIMEDOUT <10060:10060>
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www.ums.ac.id [103.226.174.221] 481 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 480 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 479 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 478 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 477 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 476 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 475 (?) : TIMEDOUT <10060:10060>
www.ums.ac.id [103.226.174.221] 474 (?) : TIMEDOUT <10060:10060>
```

- google.com

```
C:\netcat>nc -u -v -z -w2 google.com 1-500
DNS fwd/rev mismatch: google.com != any-in-2678.1e100.net
google.com [216.239.38.120] 500 <isakmp> open
google.com [216.239.38.120] 499 (?) open
google.com [216.239.38.120] 498 (?) open
google.com [216.239.38.120] 497 (?) open
google.com [216.239.38.120] 496 (?) open
google.com [216.239.38.120] 495 (?) open
google.com [216.239.38.120] 494 (?) open
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google.com [216.239.38.120] 478 (?) open
google.com [216.239.38.120] 477 (?) open
google.com [216.239.38.120] 476 (?) open
google.com [216.239.38.120] 475 (?) open
google.com [216.239.38.120] 474 (?) open
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google.com [216.239.38.120] 472 (?) open
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google.com [216.239.38.120] 470 (?) open
google.com [216.239.38.120] 469 (?) open
google.com [216.239.38.120] 468 (?) open
google.com [216.239.38.120] 467 (?) open
google.com [216.239.38.120] 466 (?) open
google.com [216.239.38.120] 465 (?) open
google.com [216.239.38.120] 464 <kpasswd> open
google.com [216.239.38.120] 463 (?) open
```

```
C:\netcat>nc -v -z -w2 google.com 1-500
DNS fwd/rev mismatch: google.com != any-in-2678.1e100.net
google.com [216.239.38.120] 500 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 499 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 498 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 497 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 496 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 495 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 494 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 493 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 492 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 491 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 490 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 489 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 488 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 487 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 486 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 485 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 484 (?): TIMEDOUT <10060:10060>
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google.com [216.239.38.120] 482 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 481 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 480 (?): TIMEDOUT <10060:10060>
google.com [216.239.38.120] 479 (?): TIMEDOUT <10060:10060>
```