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## PERTEMUAN 13

```
Complete!  
[root@localhost ~]# dig -v  
Dig 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10  
[root@localhost ~]# dig  
  
;<<>> Dig 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>>  
;; global options: +cmd  
;; Got answer:  
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 13127  
;; flags: qr rd ra; QUERY: 1, ANSWER: 13, AUTHORITY: 0, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
;; EDNS: version: 0, flags:: udp: 4096  
;; QUESTION SECTION:  
;;  
;; IN NS  
  
;; ANSWER SECTION:  
4502 IN NS g.root-servers.net.  
4502 IN NS j.root-servers.net.  
4502 IN NS e.root-servers.net.  
4502 IN NS l.root-servers.net.  
4502 IN NS d.root-servers.net.  
4502 IN NS a.root-servers.net.  
4502 IN NS b.root-servers.net.  
4502 IN NS i.root-servers.net.  
4502 IN NS m.root-servers.net.  
4502 IN NS h.root-servers.net.  
4502 IN NS c.root-servers.net.  
4502 IN NS k.root-servers.net.  
4502 IN NS f.root-servers.net.  
  
;; Query time: 49 msec  
;; SERVER: 172.20.10.1#53(172.20.10.1)  
;; WHEN: Thu Dec 01 01:57:40 EST 2022  
;; MSG SIZE rcvd: 239  
  
[root@localhost ~]# _
```

```
;; WHEN: Thu Dec 01 01:57:40 EST 2022  
;; MSG SIZE rcvd: 239  
  
[root@localhost ~]# dig NS  
  
;<<>> Dig 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> NS  
;; global options: +cmd  
;; Got answer:  
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 12607  
;; flags: qr rd ra; QUERY: 1, ANSWER: 13, AUTHORITY: 0, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
;; EDNS: version: 0, flags:: udp: 4096  
;; QUESTION SECTION:  
;;  
;; IN NS  
  
;; ANSWER SECTION:  
4419 IN NS g.root-servers.net.  
4419 IN NS j.root-servers.net.  
4419 IN NS e.root-servers.net.  
4419 IN NS l.root-servers.net.  
4419 IN NS d.root-servers.net.  
4419 IN NS a.root-servers.net.  
4419 IN NS b.root-servers.net.  
4419 IN NS i.root-servers.net.  
4419 IN NS m.root-servers.net.  
4419 IN NS h.root-servers.net.  
4419 IN NS c.root-servers.net.  
4419 IN NS k.root-servers.net.  
4419 IN NS f.root-servers.net.  
  
;; Query time: 210 msec  
;; SERVER: 172.20.10.1#53(172.20.10.1)  
;; WHEN: Thu Dec 01 01:59:03 EST 2022  
;; MSG SIZE rcvd: 239  
  
[root@localhost ~]# _
```

## domain .com

```
:: WHEN: Thu Dec 01 01:59:03 EST 2022
:: MSG SIZE rcvd: 239

[root@localhost ~]# dig NS com.

;<<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> NS com.
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 12211
;; flags: qr rd ra; QUERY: 1, ANSWER: 13, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;com.                                IN      NS

;; ANSWER SECTION:
com.      4502    IN      NS      e.gtld-servers.net.
com.      4502    IN      NS      f.gtld-servers.net.
com.      4502    IN      NS      m.gtld-servers.net.
com.      4502    IN      NS      h.gtld-servers.net.
com.      4502    IN      NS      a.gtld-servers.net.
com.      4502    IN      NS      l.gtld-servers.net.
com.      4502    IN      NS      d.gtld-servers.net.
com.      4502    IN      NS      j.gtld-servers.net.
com.      4502    IN      NS      c.gtld-servers.net.
com.      4502    IN      NS      k.gtld-servers.net.
com.      4502    IN      NS      b.gtld-servers.net.
com.      4502    IN      NS      g.gtld-servers.net.
com.      4502    IN      NS      i.gtld-servers.net.

;; Query time: 236 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:01:44 EST 2022
;; MSG SIZE rcvd: 256

[root@localhost ~]#
```

## domain .ac.id

```
com.      4502    IN      NS      d.gtld-servers.net.
com.      4502    IN      NS      j.gtld-servers.net.
com.      4502    IN      NS      c.gtld-servers.net.
com.      4502    IN      NS      k.gtld-servers.net.
com.      4502    IN      NS      b.gtld-servers.net.
com.      4502    IN      NS      g.gtld-servers.net.
com.      4502    IN      NS      i.gtld-servers.net.

;; Query time: 236 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:01:44 EST 2022
;; MSG SIZE rcvd: 256

[root@localhost ~]# dig NS pandi.id.

;<<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> NS pandi.id.
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 28944
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;pandi.id.                                IN      NS

;; ANSWER SECTION:
pandi.id.      1127    IN      NS      dns1.pandi.id.
pandi.id.      1127    IN      NS      dns3.pandi.id.
pandi.id.      1127    IN      NS      dns2.pandi.id.

;; Query time: 266 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:05:30 EST 2022
;; MSG SIZE rcvd: 94

[root@localhost ~]# _
```

## domain .go.id

```
:: ANSWER SECTION:
ac.id.          4502    IN      NS      c.dns.id.
ac.id.          4502    IN      NS      b.dns.id.
ac.id.          4502    IN      NS      e.dns.id.
ac.id.          4502    IN      NS      d.dns.id.

:: Query time: 278 msec
:: SERVER: 172.20.10.1#53(172.20.10.1)
:: WHEN: Thu Dec 01 02:06:26 EST 2022
:: MSG SIZE rcvd: 102

[root@localhost ~]# dig NS go.id.

; <<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> NS go.id.
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 32451
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;go.id.                  IN      NS

;; ANSWER SECTION:
go.id.          4502    IN      NS      b.dns.id.
go.id.          4502    IN      NS      c.dns.id.
go.id.          4502    IN      NS      d.dns.id.
go.id.          4502    IN      NS      e.dns.id.

:: Query time: 402 msec
:: SERVER: 172.20.10.1#53(172.20.10.1)
:: WHEN: Thu Dec 01 02:07:50 EST 2022
:: MSG SIZE rcvd: 102

[root@localhost ~]# _
```

## bps.go.id

```
[root@localhost ~]# dig NS bps.go.id.

; <<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> NS bps.go.id.
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 62237
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;bps.go.id.             IN      NS

;; ANSWER SECTION:
bps.go.id.          373     IN      NS      ns3.bps.go.id.
bps.go.id.          373     IN      NS      ns1.bps.go.id.
bps.go.id.          373     IN      NS      ns2.bps.go.id.

:: Query time: 20 msec
:: SERVER: 172.20.10.1#53(172.20.10.1)
:: WHEN: Thu Dec 01 02:08:44 EST 2022
:: MSG SIZE rcvd: 92

[root@localhost ~]# _
```

## stis.ac.id

```
[root@localhost ~]# dig NS stis.ac.id

; <<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> NS stis.ac.id
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 15916
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;stis.ac.id.            IN      NS

;; ANSWER SECTION:
stis.ac.id.          4502    IN      NS      ns4.stis.ac.id.
stis.ac.id.          4502    IN      NS      ns3.stis.ac.id.

:: Query time: 215 msec
:: SERVER: 172.20.10.1#53(172.20.10.1)
:: WHEN: Thu Dec 01 02:09:35 EST 2022
:: MSG SIZE rcvd: 75

[root@localhost ~]# _
```

## ip server yang handle bps.go.id

```
[root@localhost ~]# dig A bps.go.id

;<<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> A bps.go.id
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 8516
;; flags: qr rd ra: QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;bps.go.id.                IN      A

;; ANSWER SECTION:
bps.go.id.                 377     IN      A      203.123.61.214

;; Query time: 228 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:10:52 EST 2022
;; MSG SIZE rcvd: 54

[root@localhost ~]#
```

## ip server yang handle bank Indonesia

```
[root@localhost ~]# dig A bi.go.id

;<<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> A bi.go.id
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 12227
;; flags: qr rd ra: QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;bi.go.id.                 IN      A

;; ANSWER SECTION:
bi.go.id.                  4502    IN      A      103.243.178.111

;; Query time: 101 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:11:45 EST 2022
;; MSG SIZE rcvd: 53
```

## PENUGASAN

1. Asuransi pemerintah → BPJS (bpjs-kesehatan.go.id)
  - a. IP server pengelola tvri.go.id

```
[root@localhost ~]# dig A bpjs-kesehatan.go.id

;<<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> A bpjs-kesehatan.go.id
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 45402
;; flags: qr rd: QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1
;; WARNING: recursion requested but not available

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;bpjs-kesehatan.go.id.    IN      A

;; ANSWER SECTION:
bpjs-kesehatan.go.id.    4502    IN      A      23.101.28.35

;; Query time: 87 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:37:05 EST 2022
;; MSG SIZE rcvd: 65
```

ip server pengelola tvri.go.id adalah 23.101.28.25

b. Name Server yang terlibat

```
[root@localhost ~]# dig NS bpjs-kesehatan.go.id

;<<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.e17_9.10 <<>> NS bpjs-kesehatan.go.id
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 56616
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;bpjs-kesehatan.go.id.      IN      NS

;; ANSWER SECTION:
bpjs-kesehatan.go.id.  4502    IN      NS      ns1.cni.net.id.
bpjs-kesehatan.go.id.  4502    IN      NS      ns1.telkom.net.id.

;; Query time: 469 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:39:56 EST 2022
;; MSG SIZE rcvd: 100
```

name server yang terlibat diantaranya adalah

ns1.cni.net.id

ns1.telkom.net.id

c. Email server-mail exchange yang terlibat

```
[root@localhost ~]# dig MX bpjs-kesehatan.go.id

;<<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.e17_9.10 <<>> MX bpjs-kesehatan.go.id
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 60130
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;bpjs-kesehatan.go.id.      IN      MX

;; ANSWER SECTION:
bpjs-kesehatan.go.id.  4502    IN      MX      0 bpjskesehatan-go-id01b.mail.protection.outlook.com.

;; Query time: 316 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:41:05 EST 2022
;; MSG SIZE rcvd: 115
```

email server-mail exchange yang terlibat adalah 0

bpjskesehatan-gp-id01b.mai.protection.outlook.com

asuransi swasta→ Allianz (allianz.co.id)

a. ip server pengelola

```
[root@localhost ~]# dig A allianz.co.id

; <<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> A allianz.co.id
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 53775
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:;, udp: 4096
;; QUESTION SECTION:
;allianz.co.id.                IN      A

;; ANSWER SECTION:
allianz.co.id.                77      IN      A      52.59.191.219
allianz.co.id.                77      IN      A      3.123.169.36

;; Query time: 74 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:44:43 EST 2022
;; MSG SIZE rcvd: 74
```

ip server pengelolanya adalah 52.59.191.219 dan 3.123.169.36

b. name server yang terlibat

```
[root@localhost ~]# dig NS allianz.co.id

; <<>> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<>> NS allianz.co.id
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 20972
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:;, udp: 4096
;; QUESTION SECTION:
;allianz.co.id.                IN      NS

;; ANSWER SECTION:
allianz.co.id.                77      IN      NS      jktns1.biz.net.id.
allianz.co.id.                77      IN      NS      ns3.biz.net.id.
allianz.co.id.                77      IN      NS      ns4.biz.net.id.
allianz.co.id.                77      IN      NS      jktns2.biz.net.id.

;; Query time: 388 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:43:30 EST 2022
;; MSG SIZE rcvd: 128
```

name server yang terlibat adalah

jktns1.biz.net.id

ns3.biz.net.id

ns4.biz.net.id

jktns2.biz.net.id

c. email server-mail exchange

```

[root@localhost ~]# dig MX allianz.co.id

: <<> DiG 9.11.4-P2-RedHat-9.11.4-26.P2.el7_9.10 <<> MX allianz.co.id
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 57481
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:: udp: 4096
;; QUESTION SECTION:
;allianz.co.id.                IN      MX

;; ANSWER SECTION:
allianz.co.id.                4502    IN      MX      10 mxb-00137205.gslb.pphosted.com.
allianz.co.id.                4502    IN      MX      10 mxa-00137205.gslb.pphosted.com.

;; Query time: 95 msec
;; SERVER: 172.20.10.1#53(172.20.10.1)
;; WHEN: Thu Dec 01 02:42:14 EST 2022
;; MSG SIZE rcvd: 117

```

email server-mail exchange nya adalah 10 mxb-00137205.gslb.pphosted.com dan 10 mxa-00137205.gslb.pphosted.com