Consultas DNS

1) Preguntas a registros del tipo A: Obtén la dirección IP de los siguientes dominios:

portal.edu.gva.es

www.eltiempo.es

www.upv.es


```
aromerop1@lmde:~$ dig A www.upv.es

; <<>> DiG 9.11.5-P4-5.1+deb10u5-Debian <<>> A www.upv.es
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 13949
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: 651242cea7ec9a6201000000615c7a12cc0cdea890ff97b1 (good)
;; QUESTION SECTION:
;www.upv.es.                    IN      A

;; ANSWER SECTION:
www.upv.es.             24      IN      CNAME   ias.cc.upv.es.
ias.cc.upv.es.          1108    IN      A       158.42.4.23

;; Query time: 8 msec
;; SERVER: 172.27.111.5#53(172.27.111.5)
;; WHEN: mar oct 05 18:15:09 CEST 2021
;; MSG SIZE  rcvd: 110

aromerop1@lmde:~$
```

es.wikipedia.org


```
aromerop1@lmde:~$ dig A es.wikipedia.org

; <<>> DiG 9.11.5-P4-5.1+deb10u5-Debian <<>> A es.wikipedia.org
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 39888
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: 99ad949a10e170f201000000615c7a6cc4d29fac120bd48e (good)
;; QUESTION SECTION:
;es.wikipedia.org.              IN      A

;; ANSWER SECTION:
es.wikipedia.org.       35038   IN      CNAME   dyna.wikimedia.org.
dyna.wikimedia.org.     144     IN      A       91.198.174.192

;; Query time: 8 msec
;; SERVER: 172.27.111.5#53(172.27.111.5)
;; WHEN: mar oct 05 18:16:39 CEST 2021
;; MSG SIZE  rcvd: 121

aromerop1@lmde:~$
```

www.ubuntu.com

```
aromerop1@lmde:~$ dig A www.ubuntu.com

; <<>> DiG 9.11.5-P4-5.1+deb10u5-Debian <<>> A www.ubuntu.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 54840
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: bfd5d513fd1896f201000000615c7ad869f832bf7252ed23 (good)
;; QUESTION SECTION:
;www.ubuntu.com.                 IN      A

;; ANSWER SECTION:
www.ubuntu.com.         60      IN      A       185.125.190.21
www.ubuntu.com.         60      IN      A       91.189.88.181
www.ubuntu.com.         60      IN      A       185.125.190.29
www.ubuntu.com.         60      IN      A       91.189.88.180
www.ubuntu.com.         60      IN      A       185.125.190.20

;; Query time: 56 msec
;; SERVER: 172.27.111.5#53(172.27.111.5)
;; WHEN: mar oct 05 18:18:27 CEST 2021
;; MSG SIZE  rcvd: 151

aromerop1@lmde:~$
```

2)Preguntas a registros tipo NS: Obten la dirección y los servidores DNS que corresponden a los siguientes dominios:

dominio raíz

es

```
                                      aromerop1@lmde: ~                    -  ⌄  ✕

 Archivo  Editar  Ver  Buscar  Terminal  Ayuda
aromerop1@lmde:~$ dig NS es

; <<>> DiG 9.11.5-P4-5.1+deb10u5-Debian <<>> NS es
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 56897
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 11

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: c6f68445a192a04801000000615c7dfc6e274a5db41f8e91 (good)
;; QUESTION SECTION:
;es.                            IN      NS

;; ANSWER SECTION:
es.                    36256   IN      NS      f.nic.es.
es.                    36256   IN      NS      a.nic.es.
es.                    36256   IN      NS      c.nic.es.
es.                    36256   IN      NS      h.nic.es.
es.                    36256   IN      NS      g.nic.es.

;; ADDITIONAL SECTION:
a.nic.es.              51391   IN      A       194.69.254.1
c.nic.es.              55574   IN      A       194.0.34.53
f.nic.es.              70462   IN      A       130.206.1.7
g.nic.es.              53430   IN      A       204.61.217.1
h.nic.es.              48875   IN      A       194.0.33.53
a.nic.es.              51391   IN      AAAA    2001:67c:21cc:2000::64:41
c.nic.es.              55574   IN      AAAA    2001:678:44::53
f.nic.es.              70462   IN      AAAA    2001:720:418:caf1::7
g.nic.es.              53442   IN      AAAA    2001:500:14:7001:ad::1
h.nic.es.              48875   IN      AAAA    2001:678:40::53

;; Query time: 9 msec
;; SERVER: 172.27.111.5#53(172.27.111.5)
;; WHEN: mar oct 05 18:31:51 CEST 2021
;; MSG SIZE  rcvd: 365

aromerop1@lmde:~$
```

wikipedia.org

```
                                      aromerop1@lmde: ~                    -  ⌄  ✕

 Archivo  Editar  Ver  Buscar  Terminal  Ayuda
aromerop1@lmde:~$ dig NS wikipedia.org

; <<>> DiG 9.11.5-P4-5.1+deb10u5-Debian <<>> NS wikipedia.org
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 18689
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 4

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: 70528ee07f029b6e01000000615c7ee4907725b9c9f35ff9 (good)
;; QUESTION SECTION:
;wikipedia.org.                 IN      NS

;; ANSWER SECTION:
wikipedia.org.         86400   IN      NS      ns0.wikimedia.org.
wikipedia.org.         86400   IN      NS      ns1.wikimedia.org.
wikipedia.org.         86400   IN      NS      ns2.wikimedia.org.

;; ADDITIONAL SECTION:
ns0.wikimedia.org.     1585    IN      A       208.80.154.238
ns1.wikimedia.org.     1585    IN      A       208.80.153.231
ns2.wikimedia.org.     1371    IN      A       91.198.174.239

;; Query time: 2446 msec
;; SERVER: 172.27.111.6#53(172.27.111.6)
;; WHEN: mar oct 05 18:35:42 CEST 2021
;; MSG SIZE  rcvd: 185

aromerop1@lmde:~$
```

ubuntu.com

```
                                    aromerop1@lmde: ~                           -  o  ⊗

 Archivo  Editar  Ver  Buscar  Terminal  Ayuda
aromerop1@lmde:~$ dig NS ubuntu.com

; <<>> DiG 9.11.5-P4-5.1+deb10u5-Debian <<>> NS ubuntu.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 8542
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 4

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: a883d29561ac5b2e01000000615c7f63a219df482fd0358b (good)
;; QUESTION SECTION:
;ubuntu.com.                    IN      NS

;; ANSWER SECTION:
ubuntu.com.             99      IN      NS      ns2.canonical.com.
ubuntu.com.             99      IN      NS      ns3.canonical.com.
ubuntu.com.             99      IN      NS      ns1.canonical.com.

;; ADDITIONAL SECTION:
ns1.canonical.com.      104     IN      A       91.189.94.173
ns2.canonical.com.      372     IN      A       91.189.95.3
ns3.canonical.com.      5       IN      A       91.189.91.139

;; Query time: 8 msec
;; SERVER: 172.27.111.5#53(172.27.111.5)
;; WHEN: mar oct 05 18:37:50 CEST 2021
;; MSG SIZE  rcvd: 182

aromerop1@lmde:~$
```

hola.es

```
                                    aromerop1@lmde: ~                           -  o  ⊗

 Archivo  Editar  Ver  Buscar  Terminal  Ayuda
aromerop1@lmde:~$ dig NS hola.es

; <<>> DiG 9.11.5-P4-5.1+deb10u5-Debian <<>> NS hola.es
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 7307
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 11

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: 862a294270257fbe01000000615c802958dbd8c3030f7231 (good)
;; QUESTION SECTION:
;hola.es.                       IN      NS

;; ANSWER SECTION:
hola.es.                300     IN      NS      a20-65.akam.net.
hola.es.                300     IN      NS      a5-65.akam.net.
hola.es.                300     IN      NS      a1-77.akam.net.
hola.es.                300     IN      NS      a13-65.akam.net.
hola.es.                300     IN      NS      a18-64.akam.net.
hola.es.                300     IN      NS      a24-67.akam.net.

;; ADDITIONAL SECTION:
a1-77.akam.net.         84420   IN      A       193.108.91.77
a5-65.akam.net.         52053   IN      A       95.100.168.65
a13-65.akam.net.        37578   IN      A       2.22.230.65
a18-64.akam.net.        37987   IN      A       95.101.36.64
a20-65.akam.net.        28126   IN      A       95.100.175.65
a24-67.akam.net.        38723   IN      A       2.16.130.67
a1-77.akam.net.         85576   IN      AAAA    2600:1401:2::4d
a5-65.akam.net.         33214   IN      AAAA    2600:1480:b000::41
a13-65.akam.net.        44532   IN      AAAA    2600:1480:800::41
a20-65.akam.net.        55928   IN      AAAA    2a02:26f0:67::41

;; Query time: 65 msec
;; SERVER: 172.27.111.5#53(172.27.111.5)
;; WHEN: mar oct 05 18:41:08 CEST 2021
;; MSG SIZE  rcvd: 404

aromerop1@lmde:~$
```

3)Preguntas a registros MX: Obten el nombre y la dirección del ordenador al que se mandan los correos que se envían a los siguientes dominios:

upv.es

us.es

wikipedia.org


```
aromerop1@lmde:~$ dig MX wikipedia.org

; <<>> DiG 9.11.5-P4-5.1+deb10u5-Debian <<>> MX wikipedia.org
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 10285
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: c5871597940ba66301000000615c81d8a5ab299ee2015fb1 (good)
;; QUESTION SECTION:
;wikipedia.org.                 IN      MX

;; ANSWER SECTION:
wikipedia.org.          896     IN      MX      10 mx1001.wikimedia.org.
wikipedia.org.          896     IN      MX      10 mx2001.wikimedia.org.

;; Query time: 9 msec
;; SERVER: 172.27.111.5#53(172.27.111.5)
;; WHEN: mar oct 05 18:48:19 CEST 2021
;; MSG SIZE  rcvd: 129

aromerop1@lmde:~$
```

ubuntu.com


```
aromerop1@lmde:~$ dig MX ubuntu.com

; <<>> DiG 9.11.5-P4-5.1+deb10u5-Debian <<>> MX ubuntu.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 22014
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
; COOKIE: 58a12f1ef74a284a01000000615c824ba55470e19d51fdd9 (good)
;; QUESTION SECTION:
;ubuntu.com.                    IN      MX

;; ANSWER SECTION:
ubuntu.com.             812     IN      MX      10 mx.canonical.com.

;; Query time: 14 msec
;; SERVER: 172.27.111.5#53(172.27.111.5)
;; WHEN: mar oct 05 18:50:15 CEST 2021
;; MSG SIZE  rcvd: 99

aromerop1@lmde:~$
```

4) ¿Qué tipo de registro es el que resuelve las siguientes direcciones:
Indica el nombre canónico de las máquinas a las que corresponden.

es.wikipedia.org

ftp.upv.es

Averigua los "vecinos" de un dominio (dominio alojados en el mismo servidor que un dominio dado) con el siguiente enlace.

facebook.com

IP Neighbour   About

Home   Buy Data   Remove Ads   Contact

IP Or Domain   facebook.com   Search

Results   5 Found   For facebook.com

1 - facebook.com

2 - m.facebook.com

3 - fbcdn.net

4 - www.facebook.com

5 - fb.me

Support us...

sign up to...   Donate   sign up to...
HP Instant Ink   Digital Ocean VPS

IP Details

IP Address
157.240.221.35

Reverse Dns
edge-star-mini-shv-01-lhr8.facebook.com

IP Block
157.240.221.0/24

IP Block Assigned
Jan 1, 0001

AS Name
FACEBOOK, US

AS Country Code
US

Address
Error

AS Number
32934

AS Registry
ARIN - American Registry for Internet Numbers

AS Assigned
Aug 24, 2004