1. Resolución de nombres

ftp.rediris.es

```
Microsoft Windows [Versión 10.0.22631.4460]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\DAW-A>nslookup nslookup ftp.rediris.es

DNS request timed out.
    timeout was 2 seconds.

Servidor: UnKnown

Address: 130.206.13.2

DNS request timed out.
    timeout was 2 seconds.

DNS request timed out.
    timeout was 2 seconds.

*** Se agotó el tiempo de espera de la solicitud a UnKnown
```

```
dawa@pc-1726141644:~$ dig ftp.rediris.es
; <>>> DiG 9.18.28-1~deb12u2-Debian <>>> ftp.rediris.es
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 51317
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 0
;; QUESTION SECTION:
;ftp.rediris.es.
                                       IN
                                               Α
;; ANSWER SECTION:
ftp.rediris.es.
                       1930 IN
                                               130.206.13.2
;; Query time: 0 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Mon Nov 18 10:26:30 CET 2024
;; MSG SIZE rcvd: 48
```

www.uniovi.es

```
C:\Users\DAW-A>nslookup www.uniovi.es
Servidor: informatica.ieszaidinvergeles.org
Address: 10.0.0.2

Respuesta no autoritativa:
Nombre: www.uniovi.es.red108.ieszaidinvergeles.org
Address: 80.28.211.131
```

```
dawa@pc-1726141644:~$ dig www.uniovi.es
; <>>> DiG 9.18.28-1~deb12u2-Debian <>>> www.uniovi.es
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 4561
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 0
;; QUESTION SECTION:
;www.uniovi.es.
                               IN
;; ANSWER SECTION:
www.uniovi.es.
                                       CNAME
                       1474
                               IN
                                               crisb101.sic233.uniovi.es.
crisb101.sic233.uniovi.es. 300 IN
                                       A 156.35.233.101
;; Query time: 40 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Mon Nov 18 10:27:48 CET 2024
  MSG SIZE rcvd: 84
```

Nota: por alguna extraña razón si intento obtener la IP de esa dirección DNS en Linux, es totalmente distinta que en Windows.

www.haxe.org

C:\Users\DAW-A>nslookup www.haxe.org

Servidor: informatica.ieszaidinvergeles.org

Address: 10.0.0.2

Respuesta no autoritativa:

Nombre: www.haxe.org.red108.ieszaidinvergeles.org

Address: 80.28.211.131

```
dawa@pc-1726141644:~$ dig www.haxe.org
; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> www.haxe.org
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 44529
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 0
;; QUESTION SECTION:
; www.haxe.org.
                                IN
                                        Α
;; ANSWER SECTION:
www.haxe.org.
                        300
                                IN
                                        CNAME
                                                d28ija9q30bduw.cloudfront.net.
d28ija9q30bduw.cloudfront.net. 60 IN
                                                52.84.66.58
d28ija9q30bduw.cloudfront.net. 60 IN
                                        Α
                                                52.84.66.122
d28ija9q30bduw.cloudfront.net. 60 IN
                                        Α
                                                52.84.66.90
d28ija9q30bduw.cloudfront.net. 60 IN
                                        Α
                                                52.84.66.107
;; Query time: 90 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Mon Nov 18 10:28:22 CET 2024
;; MSG SIZE rcvd: 137
```

2. Resolución inversa

156.34.14.2

```
C:\Users\DAW-A>nslookup 156.34.14.2
Servidor: informatica.ieszaidinvergeles.org
Address: 10.0.0.2

Nombre: mctnnbsa45w-156-34-14-2.dhcp-dynamic.fibreop.nb.bellaliant.net
Address: 156.34.14.2

dawa@pc-1726141644:-$ dig -x 156.34.14.2

; <<>> DiG 9.18.28-1-deb12u2-Debian <<>> -x 156.34.14.2

;; global options: +cmd
;; Got answer:
; ->>HEADER<-> opcode: QUERY, status: NOERROR, id: 32483
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 0

;; QUESTION SECTION:
;2.14.34.156.in-addr.arpa. IN PTR
;; ANSWER SECTION:
2.14.34.156.in-addr.arpa. 20681 IN PTR
;; ANSWER SECTION:
2.14.34.156.in-addr.arpa. 20681 IN PTR
;; ANSWER SECTION:
2.14.34.156.in-addr.arpa. 20681 IN PTR
;; QUEY time: 0 msec
;; Query time: 0 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Mon Nov 18 10:45:17 CET 2024
;; MSC SIZE rcvd: 180
```

C:\Users\DAW-A>nslookup 217.76.145.25

```
Servidor: informatica.ieszaidinvergeles.org
Address: 10.0.0.2
Nombre: dns1.carloslatre.com
Address: 217.76.145.25
dawa@pc-1726141644:~$ dig -x 217.76.145.25
; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> -x 217.76.145.25
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 53559
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 0
;; QUESTION SECTION:
;25.145.76.217.in-addr.arpa.
                              IN
                                       PTR
;; ANSWER SECTION:
                                               dns1.carloslatre.com.
25.145.76.217.in-addr.arpa. 900 IN
                                       PTR
;; Query time: 30 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Mon Nov 18 10:45:52 CET 2024
;; MSG SIZE rcvd: 78
```

C:\Users\DAW-A>nslookup 217.160.0.64 Servidor: informatica.ieszaidinvergeles.org

Address: 10.0.0.2

Nombre: 217-160-0-64.elastic-ssl.ui-r.com

Address: 217.160.0.64

```
dawa@pc-1726141644:~$ dig -x 217.160.0.64
; <>>> DiG 9.18.28-1~deb12u2-Debian <>>> -x 217.160.0.64
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 26173
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 0
;; QUESTION SECTION:
;64.0.160.217.in-addr.arpa.
                                   IN
                                              PTR
;; ANSWER SECTION:
64.0.160.217.in-addr.arpa. 8181 IN
                                              PTR
                                                      217-160-0-64.elastic-ssl.ui-r.com.
;; Query time: 0 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Mon Nov 18 10:46:15 CET 2024
;; MSG SIZE rcvd: 90
```

3. Determinar los servidores de nombres

parqueciencias.com

```
C:\Users\DAW-A>nslookup -type=ns parqueciencias.com
Servidor: informatica.ieszaidinvergeles.org
Address:
          10.0.0.2
Respuesta no autoritativa:
parqueciencias.com
                        nameserver = ns.juntadeandalucia.es
                        nameserver = ns3.juntadeandalucia.es
parqueciencias.com
                        nameserver = ns1.juntadeandalucia.es
parqueciencias.com
parqueciencias.com
                        nameserver = ns4.juntadeandalucia.es
parqueciencias.com
                        nameserver = ns3.juntadeandalucia.es
parqueciencias.com
                        nameserver = ns1.juntadeandalucia.es
parqueciencias.com
                        nameserver = ns4.juntadeandalucia.es
parqueciencias.com
                        nameserver = ns.juntadeandalucia.es
```

```
dawa@pc-1726141644:~$ dig parqueciencias.com ANY
; <>>> DiG 9.18.28-1~deb12u2-Debian <>>> parqueciencias.com ANY
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 7169
;; flags: qr rd ra; QUERY: 1, ANSWER: 4, AUTHORITY: 4, ADDITIONAL: 0
;; QUESTION SECTION:
;parqueciencias.com.
                                ΙN
                                        ANY
;; ANSWER SECTION:
parqueciencias.com.
                        21211
                                ΙN
                                        NS
                                                ns.juntadeandalucia.es.
                                                ns3.juntadeandalucia.es.
parqueciencias.com.
                        21211
                                IN
                                        NS
                        21211
                                IN
                                        NS
                                                ns1.juntadeandalucia.es.
parqueciencias.com.
                        21211
                                IN
                                        NS
                                                ns4.juntadeandalucia.es.
parqueciencias.com.
;; AUTHORITY SECTION:
                                IN
                                        NS
parqueciencias.com.
                        21211
                                                ns3.juntadeandalucia.es.
parqueciencias.com.
                        21211
                                IN
                                        NS
                                                ns1.juntadeandalucia.es.
parqueciencias.com.
                        21211
                                IN
                                        NS
                                                ns4.juntadeandalucia.es.
                        21211
                                ΙN
                                        NS
                                                ns.juntadeandalucia.es.
parqueciencias.com.
;; Query time: 0 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (TCP)
;; WHEN: Mon Nov 18 11:03:39 CET 2024
  MSG SIZE rcvd: 199
```

```
C:\Users\DAW-A>nslookup -type=ns uv.es
Servidor:
           informatica.ieszaidinvergeles.org
Address:
          10.0.0.2
Respuesta no autoritativa:
uv.es
        nameserver = chico.rediris.es
uv.es
        nameserver = shackleton.red.uv.es
uv.es
       nameserver = sun.rediris.es
uv.es
       nameserver = peque.ci.uv.es
       nameserver = gong.ci.uv.es
uv.es
       nameserver = shackleton.red.uv.es
uv.es
       nameserver = sun.rediris.es
uv.es
uv.es
       nameserver = peque.ci.uv.es
uv.es
        nameserver = gong.ci.uv.es
        nameserver = chico.rediris.es
uv.es
```

```
<<>> DiG 9.18.28-1~deb12u2-Debian <<>> uv.es. ANY
; cost answer:
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 18807
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 0
; QUESTION SECTION:
                                         IN
                                                    ANY
;; ANSWER SECTION:
                              589
                                         IN
                                                    DNSKEY 256 3 13 TRNbtUYBSekAYCqUViwX+kgxR7Cp7QspHw05AEfMQngpKPydoamQF8F+ W8m2iM
o9d9w02j6q9/g8raLJWd0yDA==
                               589
                                         IN
                                                              DNSKEY 13 2 600 20241127065614 20241028064014 53565 uv.es. solXibo68fnRO
uv.es.
zp6Tg1kSR9fchowdxACChV1SFi+R/rzWC7wJSizSfeQ YOrIXMtHrQ4NTb82vYk0v39QbZkJug==
uv.es. 589 IN DNSKEY 257 3 13 x+EBWS3xMaoVEheKVQ2jhVuCaRj8yoDSrgZaNcDIlfp/Uv+y6HiSGniR jYC7Wf
_L+2Yg1J2vHksTPpCZd7E8Yw==
  Query time: 0 msec
SERVER: 10.255.255.254#53(10.255.255.254) (TCP)
  WHEN: Mon Nov 18 11:08:46 CET 2024
MSG SIZE rcvd: 284
```

ieszaidinvergeles.org

C:\Users\DAW-A>nslookup -type=ns ieszaidinvergeles.org

Servidor: informatica.ieszaidinvergeles.org

Address: 10.0.0.2

```
Respuesta no autoritativa:
ieszaidinvergeles.org
                        nameserver = ns1025.ui-dns.de
ieszaidinvergeles.org
                       nameserver = ns1074.ui-dns.biz
ieszaidinvergeles.org
                       nameserver = ns1020.ui-dns.com
ieszaidinvergeles.org
                       nameserver = ns1022.ui-dns.org
ieszaidinvergeles.org
                       nameserver = ns1074.ui-dns.biz
                       nameserver = ns1020.ui-dns.com
ieszaidinvergeles.org
ieszaidinvergeles.org
                       nameserver = ns1022.ui-dns.org
ieszaidinvergeles.org
                       nameserver = ns1025.ui-dns.de
```

4. Determinar los servidores de correo

ieszaidinvergeles.org

```
C:\Users\DAW-A>nslookup -type=MX ieszaidinvergeles.org
Servidor: informatica.ieszaidinvergeles.org
Address: 10.0.0.2

ieszaidinvergeles.org nameserver = ns1022.ui-dns.org
ieszaidinvergeles.org nameserver = ns1025.ui-dns.de
ieszaidinvergeles.org nameserver = ns1074.ui-dns.biz
ieszaidinvergeles.org nameserver = ns1020.ui-dns.com
```

```
dawa@pc-1726141644:~$ dig ieszaidinvergeles.org MX
; <>>> DiG 9.18.28-1~deb12u2-Debian <>>> ieszaidinvergeles.org MX
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 24259
;; flags: qr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 4, ADDITIONAL: 5
;; QUESTION SECTION:
;ieszaidinvergeles.org.
                                IN
                                        MΧ
;; ANSWER SECTION:
ieszaidinvergeles.org.
                                                1 aspmx.l.google.com.
                        2013
                                IN
                                        MΧ
ieszaidinvergeles.org.
                        2013
                                ΙN
                                        MΧ
                                                10 alt4.aspmx.l.google.com.
ieszaidinvergeles.org.
                        2013
                                ΙN
                                        MΧ
                                                5 alt1.aspmx.l.google.com.
ieszaidinvergeles.org.
                                        MX
                                                10 alt3.aspmx.l.google.com.
                        2013
                                ΙN
                                                5 alt2.aspmx.l.google.com.
ieszaidinvergeles.org.
                                ΙN
                                        MX
;; AUTHORITY SECTION:
ieszaidinvergeles.org.
                        21323
                                ΙN
                                        NS
                                                ns1025.ui-dns.de.
ieszaidinvergeles.org.
                        21323
                                IN
                                        NS
                                                ns1074.ui-dns.biz.
ieszaidinvergeles.org.
                        21323
                                ΙN
                                        NS
                                                ns1020.ui-dns.com.
ieszaidinvergeles.org. 21323
                                ΙN
                                        NS
                                                ns1022.ui-dns.org.
;; ADDITIONAL SECTION:
aspmx.l.google.com.
                        86
                                ΙN
                                                64.233.166.26
alt4.aspmx.l.google.com. 163
                                ΙN
                                        Α
                                                74.125.200.26
alt1.aspmx.l.google.com. 185
                                IN
                                        Α
                                                142.250.153.26
alt3.aspmx.l.google.com. 206
                                IN
                                        Α
                                                142.250.150.26
alt2.aspmx.l.google.com. 142
                                IN
                                        Α
                                                142.251.9.26
;; Query time: 0 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Mon Nov 18 11:14:39 CET 2024
  MSG SIZE rcvd: 363
```

ionos.com

```
C:\Users\DAW-A>nslookup -type=MX ionos.com
Servidor: informatica.ieszaidinvergeles.org
Address: 10.0.0.2

ieszaidinvergeles.org nameserver = ns1025.ui-dns.de
ieszaidinvergeles.org nameserver = ns1074.ui-dns.biz
ieszaidinvergeles.org nameserver = ns1020.ui-dns.com
ieszaidinvergeles.org nameserver = ns1022.ui-dns.org
```

```
dawa@pc-1726141644:~$ dig ionos.com MX
; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> ionos.com MX
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 34324
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 0
;; QUESTION SECTION:
;ionos.com.
                                ΙN
                                        MX
;; ANSWER SECTION:
ionos.com.
                        43200
                                ΙN
                                        MX
                                                 10 mxint01.1and1.com.
                                                 10 mxint02.1and1.com.
ionos.com.
                        43200
                                ΙN
                                        MX
;; Query time: 10 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Mon Nov 18 11:49:55 CET 2024
;; MSG SIZE rcvd: 81
```

microsoft.com

```
C:\Users\DAW-A>nslookup -type=MX microsoft.com
Servidor: informatica.ieszaidinvergeles.org
Address: 10.0.0.2

ieszaidinvergeles.org nameserver = ns1020.ui-dns.com
ieszaidinvergeles.org nameserver = ns1022.ui-dns.org
ieszaidinvergeles.org nameserver = ns1025.ui-dns.de
ieszaidinvergeles.org nameserver = ns1074.ui-dns.biz

C:\Users\DAW-A>
```

```
dawa@pc-1726141644:~$ dig microsoft.com MX

; <<>> DiG 9.18.28-1~deb12u2-Debian <<>> microsoft.com MX
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 61950
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 0

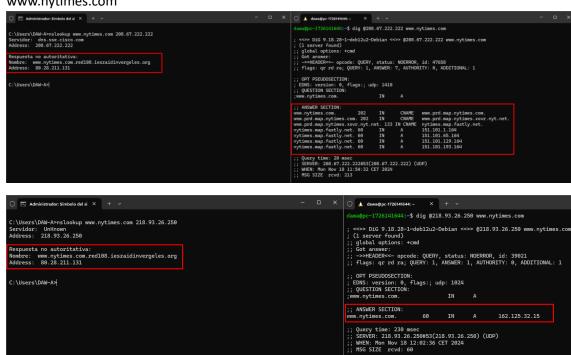
;; QUESTION SECTION:
;microsoft.com. IN MX

;; ANSWER SECTION:
microsoft.com. 552 IN MX 10 microsoft-com.mail.protection.outlook.com.

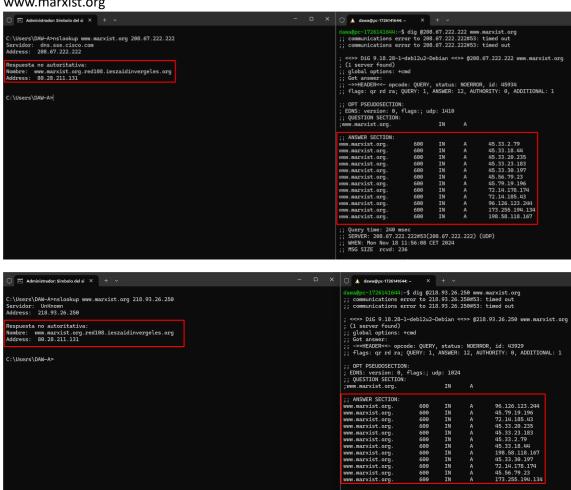
;; Query time: 10 msec
;; SERVER: 10.255.255.254#53(10.255.255.254) (UDP)
;; WHEN: Mon Nov 18 11:52:00 CET 2024
;; MSG SIZE rcvd: 88</pre>
```

5. Usar un servidor de nombres determinado para resolver un nombre

www.nytimes.com



www.marxist.org



;; Query time: 240 msec ;; SERVER: 218.93.26.250#53(218.93.26.250) (UDP) ;; WHEN: Mon Now 18 12:00:44 CET 2024 ;; MHSG SIZE revd: 236

www.falundafa.org

