

2ºDAW. Despliegue de aplicaciones web.

UD 1 - Actividad 5 - Configuración DNS II (Definición de fichero RR directo)



- *cat del fichero de configuración del registro de recursos para la resolución directa del dominio “aula-X.org”*

```
jccordero@s2-jccordero:/etc/bind$ cat db.aula-1.org
;
; BIND data file for local loopback interface
;
$ORIGIN aula-1.org.
$TTL      604800
@         IN      SOA      dns2.aula-1.org. jccordero.aula-1.org. (
                                2023111902      ; Serial
                                604800           ; Refresh
                                86400            ; Retry
                                2419200          ; Expire
                                604800 )         ; Negative Cache TTL
;
@         IN      NS       dns2.aula-1.org.
@         IN      NS       dns1.aula-1.org.

dns2      IN      A        172.16.1.2
dns1      IN      A        172.16.1.1
c1-jccordero  IN    A        172.16.1.10

jccordero.aula-1.org.  IN    CNAME    c1-jccordero.aula-1.org.
host1-jccordero.aula-1.org.  IN    CNAME    c1-jccordero.aula-1.org.

ns1.aula-1.org.  IN    CNAME    dns1.aula-1.org.
dhcp.aula-1.org.  IN    CNAME    dns1.aula-1.org.

ns2.aula-1.org.  IN    CNAME    dns2.aula-1.org.
www.aula-1.org.  IN    CNAME    dns2.aula-1.org.

jccordero@s2-jccordero:/etc/bind$
```

- *Comando lanzado desde la terminal de client1-alias para resolver los siguientes nombres de dominio (CADA UNO CON UN COMANDO DISTINTO):*
 - *dns1.aula-X.org*

```
jccordero@client1:~$ nslookup dns1.aula-1.org
Server:          127.0.0.53
Address:         127.0.0.53#53

Non-authoritative answer:
Name:   dns1.aula-1.org
Address: 172.16.1.1

jccordero@client1:~$
```

- *dns2.aula-X.org*

```
jcordova@client1:~$ dig dns2.aula-1.org

; <<>> DiG 9.18.12-0ubuntu0.22.04.3-Ubuntu <<>> dns2.aula-1.org
;; global options: +cmd
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 3459
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;dns2.aula-1.org.                IN      A

;; ANSWER SECTION:
dns2.aula-1.org.                604800  IN      A      172.16.1.2

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Tue Nov 21 13:05:27 CET 2023
;; MSG SIZE rcvd: 60

jcordova@client1:~$
```

- *c1-alias.aula-X.org*

```
jcordova@client1:~$ host c1-jcordova.aula-1.org
c1-jcordova.aula-1.org has address 172.16.1.10
jcordova@client1:~$
```

- *Comando lanzado desde la terminal de client1-alias para resolver los siguientes nombres de dominio (CADA UNO CON UN COMANDOOS DISITNTO Y FORZANDO LA CONSULTA AL SERVIDOR S2):*

- *ns1. aula-X.org*

```
jcordova@client1:~$ nslookup ns1.aula-1.org 172.16.1.2
Server:                172.16.1.2
Address:                172.16.1.2#53

ns1.aula-1.org  canonical name = dns1.aula-1.org.
Name:   dns1.aula-1.org
Address: 172.16.1.1

jcordova@client1:~$
```

- *ns2. aula-X.org*

```
jcordova@client1:~$ dig ns2.aula-1.org @172.16.1.2

; <<>> DiG 9.18.12-0ubuntu0.22.04.3-Ubuntu <<>> ns2.aula-1.org @172.16.1.2
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 5998
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: d41c8823c6a44ce301000000655c9d6a6f336555e803f4b8 (good)
;; QUESTION SECTION:
;ns2.aula-1.org.                IN      A

;; ANSWER SECTION:
ns2.aula-1.org.                604800  IN      CNAME   dns2.aula-1.org.
dns2.aula-1.org.                604800  IN      A       172.16.1.2

;; Query time: 0 msec
;; SERVER: 172.16.1.2#53(172.16.1.2) (UDP)
;; WHEN: Tue Nov 21 13:07:06 CET 2023
;; MSG SIZE rcvd: 106

jcordova@client1:~$
```

- *host1-alias.aula-X.org*

```
jcordova@client1:~$ host host1-jcordova.aula-1.org 172.16.1.2
Using domain server:
Name: 172.16.1.2
Address: 172.16.1.2#53
Aliases:

host1-jcordova.aula-1.org is an alias for c1-jcordova.aula-1.org.
c1-jcordova.aula-1.org has address 172.16.1.10
jcordova@client1:~$
```