Despliegue aplicaciones web - Anton Blagodarnyy

Tarea 5 _ Tema 3

1.-Creamos e instalamos bind9 en el servidor esclavo.

2.-En el servidor maestro agregamos la configuracion del servidor esclavo.

3.-Tocamos la registros del servidor para agregarles los del esclavo.


```
  GNU nano 6.2                          /etc/bind/db.periodista.com *
$TTL 86400
@   IN  SOA ns1.periodista.com. admin.periodista.com. (
        2024022301 ; Serial
        3600       ; Refresh
        1800       ; Retry
        604800     ; Expire
        86400      ; Minimum TTL
)

; Servidores de nombres
@   IN  NS  ns1.periodista.com.
@   IN  NS  ns2.periodista.com.
; Registros A
ns1 IN  A   192.168.1.1
ns2 IN A    192.168.1.2
www IN  A   192.168.1.2
mail IN  A   192.168.1.3

; Registro MX
@   IN  MX  10 mail.periodista.com.

; Registro SRV
_xmpp._tcp   IN  SRV 10 5 5223 chat.periodista.com.
chat         IN  A   192.168.1.4


^G Help        ^O Write Out   ^W Where Is    ^K Cut         ^T Execute     ^C Location    M-U Undo      M
^X Exit        ^R Read File   ^\ Replace     ^U Paste       ^J Justify     ^/ Go To Line  M-E Redo      M
```

4.-Corregimos la configuracion. Faltaba la linea de allow-transfer {dns-slaves}.


```
  GNU nano 6.2                    /etc/bind/named.conf.local
//
// Do any local configuration here
//

// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";

zone "periodista.com" {
    type master;
    file "/etc/bind/db.periodista.com";
        allow-transfer { dns-slaves; };
};

zone "192.168.1.in-addr.arpa" {
    type master;
    file "/etc/bind/db.192.168.1";
};

acl dns-slaves {
    192.168.56.102;
};
```

5.-Agregamos los registros al archivo de configuración de la zona inversa.

6.-Comprobamos la sintaxis.

7.-Reiniciamos el servicio.

```
ubuntu@ubuntuserver2204:~$ sudo systemctl restart bind9
ubuntu@ubuntuserver2204:~$ sudo systemctl enable bind9
Failed to enable unit: Refusing to operate on alias name or linked unit file: bind9.service
ubuntu@ubuntuserver2204:~$ sudo systemctl enable named
Synchronizing state of named.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable named
```

8.-Configuramos el servidor esclavo.

```
  GNU nano 6.2                          /etc/bind/named.conf.local
zone "periodista.com" {
    type slave;           # Servidor esclavo
    file "db.periodista.com"; # Archivo que se creará con la transferencia
    masters { 192.168.56.102; }; # IP del servidor maestro
};

zone "1.168.192.in-addr.arpa" {
    type slave;
    file "db.192.168.1";
    masters { 192.168.1.1; };
};
//
// Do any local configuration here
//

// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";
```

9.-Corregimos la configuracion del servidor maestro. El apartado del acl debe ir antes del de la zona.

```
GNU nano 6.2                    /etc/bind/named.conf.local                        S
//
// Do any local configuration here
//

// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";

acl dns-slaves {
    192.168.56.103; # IP del servidor esclavo
};

zone "periodista.com" {
    type master;
    file "/etc/bind/db.periodista.com";
        allow-transfer { dns-slaves; };
};

zone "192.168.1.in-addr.arpa" {
    type master;
    file "/etc/bind/db.192.168.1";
};
```

10.-Despues de reinicar el servidor esclavo. Comprobamos que se ha transferido el archivo.

```
ubuntu@ubuntuserver2204:~$ ls /var/cache/bind/
db.periodista.com  managed-keys.bind  managed-keys.bind.jnl
ubuntu@ubuntuserver2204:~$ A
```

11.-Hacemos dig dentro del servidor esclavo.

```
ubuntu@ubuntuserver2204:~$ dig @127.0.0.1 www.periodista.com

; <<>> DiG 9.18.30-0ubuntu0.22.04.2-Ubuntu <<>> @127.0.0.1 www.periodista.co
m
; (1 server found)
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 47134
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
; COOKIE: 1aee21cb2d775d500100000067c6da0732b9e394ea4304d2 (good)
;; QUESTION SECTION:
;www.periodista.com.              IN      A

;; ANSWER SECTION:
www.periodista.com.      86400   IN      A       192.168.1.2

;; Query time: 0 msec
;; SERVER: 127.0.0.1#53(127.0.0.1) (UDP)
;; WHEN: Tue Mar 04 10:46:31 UTC 2025
;; MSG SIZE  rcvd: 91
```

12.-Apagamos el servidor maestro.

```
ubuntu@ubuntuserver2204:~$ sudo systemctl stop bind9
ubuntu@ubuntuserver2204:~$
```

13.-Y desde el cliente comprobamos que funciona el servidor esclavo.

```
C:\Users\anton>nslookup www.periodista.com 192.168.56.103
Servidor:   UnKnown
Address:   192.168.56.103

Nombre:   www.periodista.com
Address:   192.168.1.2
```