RA5-DNS

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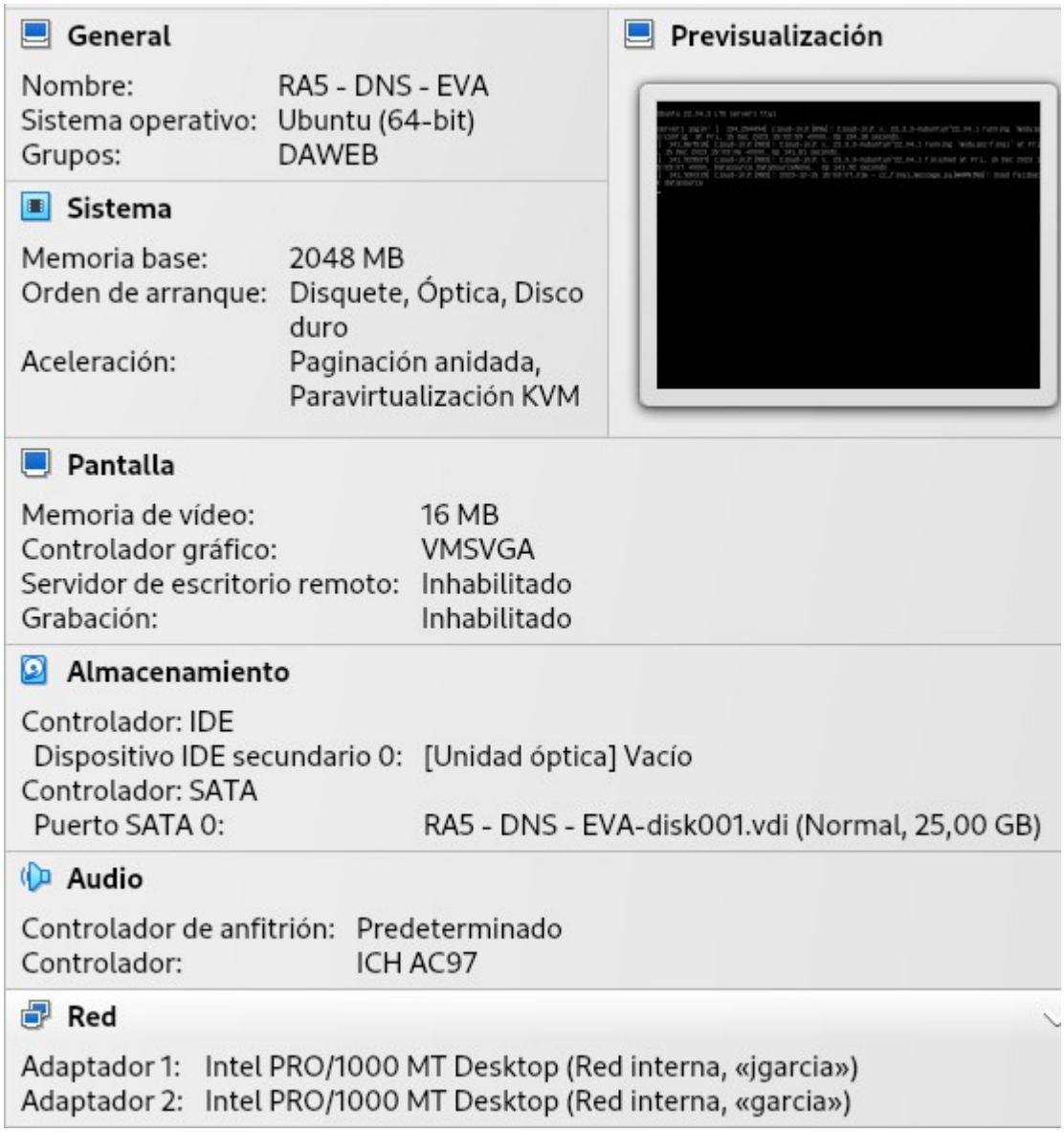
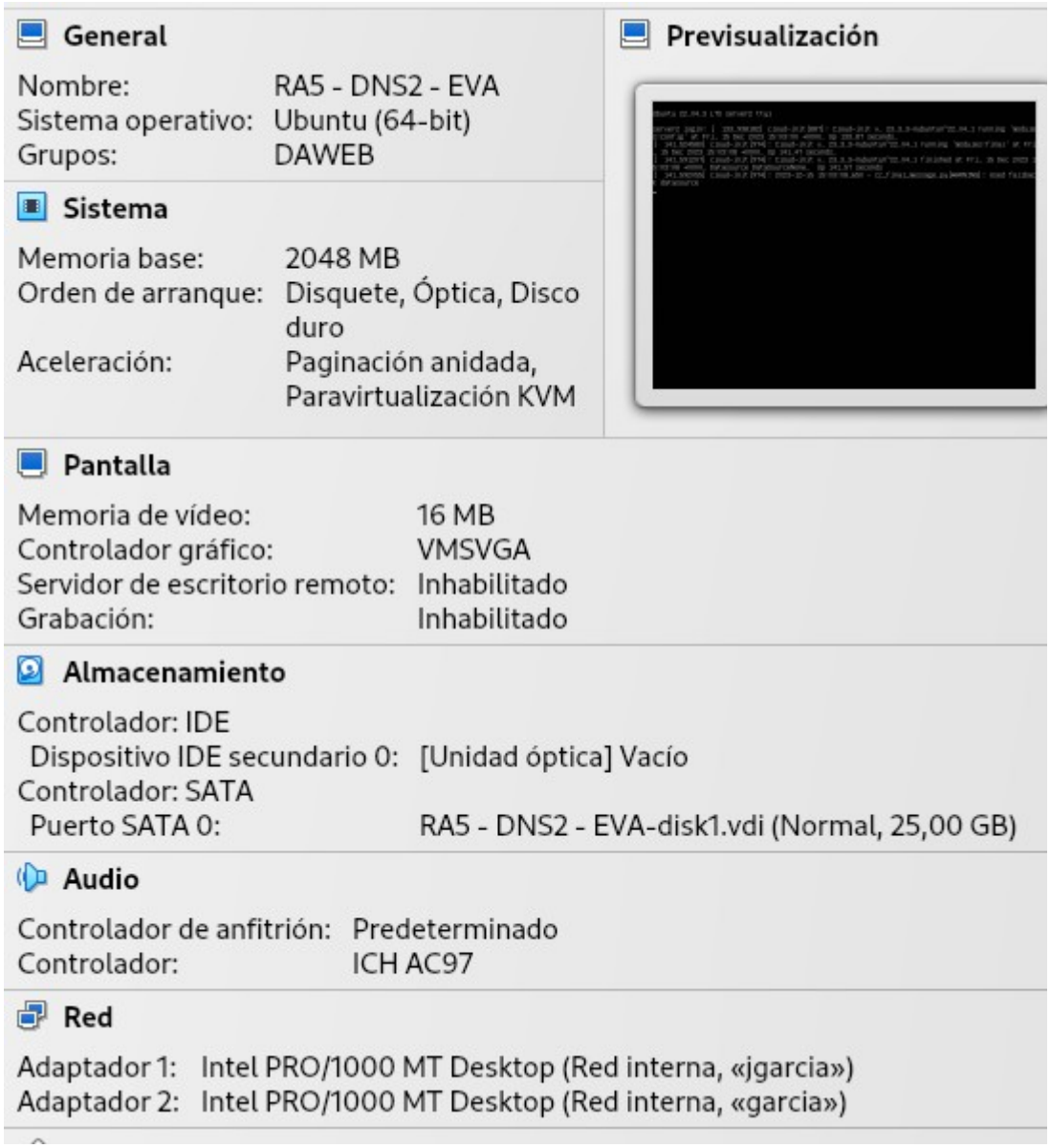
PARTE 1

a)


General
Nombre: RA5 - DNS - EVA
Sistema operativo: Ubuntu (64-bit)
Grupos: DAWEB
Previsualización
Sistema
Memoria base: 2048 MB
Orden de arranque: Disquete, Óptica, Disco duro
Aceleración: Paginación anidada, Paravirtualización KVM
Pantalla
Memoria de vídeo: 16 MB
Controlador gráfico: VMSVGA
Servidor de escritorio remoto: Inhabilitado
Grabación: Inhabilitado
Almacenamiento
Controlador: IDE
Dispositivo IDE secundario 0: [Unidad óptica] Vacío
Controlador: SATA
Puerto SATA 0: RA5 - DNS - EVA-disk001.vdi (Normal, 25,00 GB)
Audio
Controlador de anfitrión: Predeterminado
Controlador: ICH AC97
Red
Adaptador 1: Intel PRO/1000 MT Desktop (Red interna, «jgarcia»)
Adaptador 2: Intel PRO/1000 MT Desktop (Red interna, «garcia»)


General
Nombre: RA5 - DNS2 - EVA
Sistema operativo: Ubuntu (64-bit)
Grupos: DAWEB
Previsualización
Sistema
Memoria base: 2048 MB
Orden de arranque: Disquete, Óptica, Disco duro
Aceleración: Paginación anidada, Paravirtualización KVM
Pantalla
Memoria de vídeo: 16 MB
Controlador gráfico: VMSVGA
Servidor de escritorio remoto: Inhabilitado
Grabación: Inhabilitado
Almacenamiento
Controlador: IDE
Dispositivo IDE secundario 0: [Unidad óptica] Vacío
Controlador: SATA
Puerto SATA 0: RA5 - DNS2 - EVA-disk1.vdi (Normal, 25,00 GB)
Audio
Controlador de anfitrión: Predeterminado
Controlador: ICH AC97
Red
Adaptador 1: Intel PRO/1000 MT Desktop (Red interna, «jgarcia»)
Adaptador 2: Intel PRO/1000 MT Desktop (Red interna, «garcia»)

PARTE 2

a)

```
jgarcia@server1:/etc/bind$ sudo cat /etc/netplan/00-installer-config.yaml
# This is the network config written by 'subiquity'
network:
  ethernets:
    enp0s3:
      dhcp4: false
      addresses: [172.20.5.100/24]
      nameservers:
        addresses: [172.20.5.100, 170.20.5.101]
        search: [jgarcia.es]
    enp0s8:
      dhcp4: false
      addresses: [172.30.5.100/24]
  version: 2
jgarcia@server1:/etc/bind$ sudo netplan apply

** (generate:1360): WARNING **: 15:51:19.677: Permissions for /etc/netplan/00-installer-config.yam
are too open. Netplan configuration should NOT be accessible by others.
WARNING:root:Cannot call Open vSwitch: ovsdb-server.service is not running.

** (process:1358): WARNING **: 15:51:20.130: Permissions for /etc/netplan/00-installer-config.yaml
re too open. Netplan configuration should NOT be accessible by others.

** (process:1358): WARNING **: 15:51:20.235: Permissions for /etc/netplan/00-installer-config.yaml
re too open. Netplan configuration should NOT be accessible by others.

** (process:1358): WARNING **: 15:51:20.235: Permissions for /etc/netplan/00-installer-config.yaml
re too open. Netplan configuration should NOT be accessible by others.
jgarcia@server1:/etc/bind$ _
```

b)

```
jgarcia@server2:~$ sudo cat /etc/netplan/00-installer-config.yaml
# This is the network config written by 'subiquity'
network:
  ethernets:
    enp0s3:
      dhcp4: false
      addresses: [172.20.5.101/24]
    enp0s8:
      dhcp4: false
      addresses: [172.30.5.101/24]
      nameservers:
        addresses: [172.30.5.100, 172.30.5.101]
        search: [garcia.es]
  version: 2
jgarcia@server2:~$ sudo netplan apply

** (generate:1186): WARNING **: 15:19:09.456: Permissions for /etc/netplan/00-installer-config.yaml
are too open. Netplan configuration should NOT be accessible by others.
WARNING:root:Cannot call Open vSwitch: ovsdb-server.service is not running.

** (process:1184): WARNING **: 15:19:09.862: Permissions for /etc/netplan/00-installer-config.yaml a
re too open. Netplan configuration should NOT be accessible by others.

** (process:1184): WARNING **: 15:19:09.966: Permissions for /etc/netplan/00-installer-config.yaml a
re too open. Netplan configuration should NOT be accessible by others.

** (process:1184): WARNING **: 15:19:09.967: Permissions for /etc/netplan/00-installer-config.yaml a
re too open. Netplan configuration should NOT be accessible by others.
jgarcia@server2:~$ _
```

PARTE 3

a)

Server1 | named.conf.local

```
jgarcia@server1:/etc/bind$ cat 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 "jgarcia.es" {
        type master;
        notify yes;
        allow-transfer {172.20.5.101;};
        file "/etc/bind/db.jgarcia.es";
};

zone "5.20.172.in-addr.arpa" {
        type master;
        notify yes;
        allow-transfer {172.20.5.101;};
        file "/etc/bind/db.jgarcia.es.rev";
};
jgarcia@server1:/etc/bind$
```

Server2 | named.conf.local

```
jgarcia@server2:/var/log$ sudo cat /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 "jgarcia.es" {
        type slave;
        masters {172.20.5.100;};
        allow-notify {172.20.5.100;};
        file "db.jgarcia.es";
};

zone "5.20.172.in-addr.arpa" {
        type slave;
        masters {172.20.5.100;};
        allow-notify {172.20.5.100;};
        file "db.jgarcia.es.rev";
};
jgarcia@server2:/var/log$
```

Server1 | db.jgarcia.es

```
jgarcia@server1:/etc/bind$ cat db.jgarcia.es
;
; BIND data file for local loopback interface
;
$TTL    604800
@ORIGIN jgarcia.es.
@       IN      SOA     server1.jgarcia.es. jaime.garcia.iesdonana.org. (
                     2023121505         ; Serial
                         604800         ; Refresh
                          86400         ; Retry
                        2419200         ; Expire
                         604800 )       ; Negative Cache TTL
;
@       IN      NS      server1.jgarcia.es.
@       IN      NS      server2.jgarcia.es.


server1.jgarcia.es.     IN      A       172.20.5.100
server2.jgarcia.es.     IN      A       172.20.5.101
impresora.jgarcia.es.   IN      A       172.20.5.200
correo.jgarcia.es.      IN      A       172.20.5.201


www             IN      CNAME   server1.jgarcia.es.
ftp             IN      CNAME   server1.jgarcia.es.
printer         IN      CNAME   impresora.jgarcia.es.
mail            IN      CNAME   correo.jgarcia.es.
jgarcia@server1:/etc/bind$
```

Server1 | db.jgarcia.es.rev

```
jgarcia@server1:/etc/bind$ cat db.jgarcia.es.rev
;
; BIND reverse data file for local loopback interface
;
$TTL    604800
@ORIGIN 5.20.172.in-addr.arpa.
@       IN      SOA     server1.jgarcia.es. jaime.garcia.iesdonana.org. (
                     2023121508         ; Serial
                         604800         ; Refresh
                          86400         ; Retry
                        2419200         ; Expire
                         604800 )       ; Negative Cache TTL
;
@       IN      NS      server1.jgarcia.es.
@       IN      NS      server2.jgarcia.es.


100.5.20.172.in-addr.arpa.      IN      PTR     server1.jgarcia.es.
100.5.20.172.in-addr.arpa.      IN      PTR     www.jgarcia.es.
100.5.20.172.in-addr.arpa       IN      PTR     ftp.jgarcia.es.
101                             IN      PTR     server2.jgarcia.es.
200                             IN      PTR     impresora.jgarcia.es.
200                             IN      PTR     printer.jgarcia.es.
201                             IN      PTR     corrreo.jgarcia.es.
201                             IN      PTR     mail.jgarcia.es.
jgarcia@server1:/etc/bind$
```

PARTE 5

a)

Server2 | named.conf.local

```
jgarcia@server2:/var/cache/bind$ sudo cat /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 "jgarcia.es" {
        type slave;
        masters {172.20.5.100;};
        allow-notify {172.20.5.100;};
        file "db.jgarcia.es";
};

zone "5.20.172.in-addr.arpa" {
        type slave;
        masters {172.20.5.100;};
        allow-notify {172.20.5.100;};
        file "db.jgarcia.es.rev";
};

zone "garcia.es" {
        type master;
        notify yes;
        allow-transfer {172.30.5.100;};
        file "/etc/bind/db.garcia.es";
};

zone "5.30.172.in-addr.arpa" {
        type master;
        notify yes;
        allow-transfer {172.30.5.100;};
        file "/etc/bind/db.garcia.es.rev";
};
jgarcia@server2:/var/cache/bind$ _
```

Server1 | named.conf.local

```
jgarcia@server1:/etc/bind$ sudo cat 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 "jgarcia.es" {
        type master;
        notify yes;
        allow-transfer {172.20.5.101;};
        file "/etc/bind/db.jgarcia.es";
};

zone "5.20.172.in-addr.arpa" {
        type master;
        notify yes;
        allow-transfer {172.20.5.101;};
        file "/etc/bind/db.jgarcia.es.rev";
};

zone "garcia.es" {
        type slave;
        masters {172.30.5.101;};
        allow-notify {172.30.5.101;};
        file "db.garcia.es";
};

zone "5.30.172.in-addr.arpa" {
        type slave;
        masters {172.30.5.101;};
        allow-notify {172.30.5.101;};
        file "db.garcia.es.rev";
};

jgarcia@server1:/etc/bind$
```

Server2 | db.garcia.es

```
jgarcia@server2:/etc/bind$ sudo cat db.garcia.es
;
; BIND data file for local loopback interface
;
$TTL    604800
$ORIGIN garcia.es.
@       IN      SOA     server2.garcia.es. jaime.garcia.iesdonana.org. (
                     2023121503         ; Serial
                         604800         ; Refresh
                          86400         ; Retry
                        2419200         ; Expire
                         604800 )       ; Negative Cache TTL
;
@               IN      NS      server2.garcia.es.
@               IN      NS      server1.garcia.es.

server2         IN      A       172.30.5.101
server1         IN      A       172.30.5.100
mail            IN      A       172.30.5.200

www.garcia.es.                  IN      CNAME   server2.garcia.es.
myweb.garcia.es.                IN      CNAME   server2.garcia.es.
jgarcia@server2:/etc/bind$ _
```

Server2 | db.garcia.es.rev

```
jgarcia@server2:/etc/bind$ sudo cat db.garcia.es.rev
;
; BIND reverse data file for local loopback interface
;
$TTL    604800
$ORIGIN 5.30.172.in-addr.arpa.
@       IN      SOA     server2.garcia.es jaime.garcia.iesdonana.org. (
                     2023121505         ; Serial
                         604800         ; Refresh
                          86400         ; Retry
                        2419200         ; Expire
                         604800 )       ; Negative Cache TTL
;
@       IN      NS      server2.garcia.es.
@       IN      NS      server1.garcia.es.

101.5.30.172.in-addr.arpa.      IN      PTR     server2.garcia.es.
101.5.30.172.in-addr.arpa.      IN      PTR     www.garcia.es.
101.5.30.172.in-addr.arpa.      IN      PTR     myweb.garcia.es.
100                             IN      PTR     server1.garcia.es.
200.5.30.172.in-addr.arpa.      IN      PTR     mail.garcia.es.
jgarcia@server2:/etc/bind$ _
```