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1 Introduction

BIND¹ est un serveur DNS².

Le site web officiel de BIND est <http://www.isc.org/software/bind>.

Le DNS est expliqué dans les RFC³ 1034 et 1035.

Ce manuel est écrit pour BIND 9.7.

¹ BIND : Berkeley Internet Name Domain

² DNS : Domain Name System

³ RFC : Request For Comment

2 L'installation

Pour effectuer la procédure suivante, vous avez besoin de :

- wget (<http://www.gnu.org/software/wget/>)
- tar (<http://www.gnu.org/software/tar/>)
- make (<http://www.gnu.org/software/make/>)
- gcc (<http://www.gnu.org/software/gcc/>)

Pour installer BIND vous devez taper les commandes suivantes :

```
$ wget http://ftp.isc.org/isc/bind9/9.7.0-P2/bind-9.7.0-P2.tar.gz
$ tar zxvf bind-9.7.0-P2.tar.gz
$ cd bind-9.7.0-P2
$ ./configure
$ make
$ make install
```

3 La configuration

La configuration du serveur est segmentée en deux parties :

- les zones
- les domaines

Quant à la configuration du client, elle se fait via le resolver.

3.1 La configuration des zones

La configuration des zones se fait dans le fichier `/etc/named.conf`.

Voici un exemple :

```
'/etc/named.conf'
options {
    // Répertoire de BIND
    directory "/var/named";

    // Les DNS du FAI
    forward first;
    forwarders {
        212.27.53.252;
        212.27.54.252;
    };
};

// Les zones
zone "." IN {
    type hint;
    file "mondomaine/named.ca";
};

zone "mondomaine" IN {
    type master;
    file "mondomaine/mondomaine.zone";
    allow-update { none; };
};

zone "0.168.192.in-addr.arpa" IN {
    type master;
    file "mondomaine/mondomaine-rev.zone";
    allow-update { none; };
};
```

3.2 La configuration des domaines

La configuration des domaines se fait dans le répertoire `/var/named/`.

Voici un exemple :

```

'/var/named/mondomaine/mondomaine.zone'
$TTL      86400
@          IN      SOA      serveur.mondomaine. root.serveur.mondomaine. (
    2010061601 ; Serial
    28800      ; Refresh
    14400      ; Retry
    3600000    ; Expire
    86400 )     ; Minimum

            IN      TXT      "c'est mon domaine"
            IN      NS       serveur.
            IN      NS       serveur.mondomaine.
            IN      A        192.168.0.100

serveur IN      A        192.168.0.1
tata    IN      A        192.168.0.2
titi    IN      A        192.168.0.3
toto    IN      A        192.168.0.4
tutu    IN      A        192.168.0.5

'/var/named/mondomaine/mondomaine-rev.zone'
$TTL      86400
@          IN      SOA      serveur.mondomaine. root.serveur.mondomaine. (
    2010061601 ; Serial
    28800      ; Refresh
    14400      ; Retry
    3600000    ; Expire
    86400 )     ; Minimum

            IN      TXT      "c'est mon domaine"
            IN      NS       serveur.
            IN      NS       serveur.mondomaine.
            IN      PTR      serveur.

1         IN      PTR      serveur.
2         IN      PTR      tata.
3         IN      PTR      titi.
4         IN      PTR      toto.
5         IN      PTR      tutu.

```

3.3 La configuration du resolver

'/etc/resolv.conf'

La configuration du resolver se fait dans le fichier '/etc/resolv.conf'.

Voici un exemple :

```

search mondomaine
nameserver 192.168.0.1

```

4 L'utilisation

4.1 Le lancement du serveur

Pour lancer le serveur, vous devez taper :

```
$ named -c /etc/named/named.conf
```

4.2 Le test du serveur

Pour tester le serveur, vous disposez de 3 utilitaires :

- dig
- host
- nslookup

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