

Installation

blah

Fichier de configuration

On the *master* side:

```
port: 5353

key:
  name: "synchro-key"
  algorithm: hmac-sha256
  secret: "<RANDOM_KEY>"

pattern:
  name: "synchro-to-slave"
  notify: <SLAVE_IP_ADDRESS>@5353 "synchro-key"
  provide-xfr: <SLAVE_IP_ADDRESS> "synchro-key"

zone:
  name: "example.domain.com."
  zonefile: "/etc/nsd/zones/example.domain.com.zone"
  include-pattern: "synchro-to-slave"

zone:
  name: "0.10.in-addr.arpa"
  zonefile: "/etc/nsd/zones/0.10.in-addr.arpa.zone"
  include-pattern: "synchro-to-slave"

zone:
  name: "1.10.in-addr.arpa"
  zonefile: "/etc/nsd/zones/1.10.in-addr.arpa.zone"
  include-pattern: "synchro-to-slave"

#zone:
# name: "2.10.in-addr.arpa"
# zonefile: "/etc/nsd/zones/2.10.in-addr.arpa.zone"
# include-pattern: "synchro-to-slave"

zone:
  name: "3.10.in-addr.arpa"
  zonefile: "/etc/nsd/zones/3.10.in-addr.arpa.zone"
  include-pattern: "synchro-to-slave"
```

```
zone:
    name: "4.10.in-addr.arpa"
    zonefile: "/etc/nsd/zones/4.10.in-addr.arpa.zone"
    include-pattern: "synchro-to-slave"

zone:
    name: "5.10.in-addr.arpa"
    zonefile: "/etc/nsd/zones/5.10.in-addr.arpa.zone"
    include-pattern: "synchro-to-slave"
```

On the *slave* side:

```
port: 5353

key:
    name: "synchro-key"
    algorithm: hmac-sha256
    secret: "<RANDOM_KEY>"

pattern:
    name: "synchro-from-master"
    allow-notify: <MASTER_IP_ADDRESS> "synchro-key"
    request-xfr: AXFR <MASTER_IP_ADDRESS>@5353 "synchro-key"
    outgoing-interface: <SLAVE_IP_ADDRESS>

zone:
    name: "example.domain.com."
    zonefile: "/etc/nsd/zones/example.domain.com.zone"
    include-pattern: "synchro-from-master"

zone:
    name: "0.10.in-addr.arpa."
    zonefile: "/etc/nsd/zones/0.10.in-addr.arpa.zone"
    include-pattern: "synchro-from-master"

zone:
    name: "1.10.in-addr.arpa."
    zonefile: "/etc/nsd/zones/1.10.in-addr.arpa.zone"
    include-pattern: "synchro-from-master"

#zone:
#    name: "2.10.in-addr.arpa"
#    zonefile: "/etc/nsd/zones/2.10.in-addr.arpa.zone"
#    include-pattern: "synchro-from-master"

zone:
    name: "3.10.in-addr.arpa."
    zonefile: "/etc/nsd/zones/3.10.in-addr.arpa.zone"
    include-pattern: "synchro-from-master"

zone:
```

```
name: "4.10.in-addr.arpa."  
zonefile: "/etc/nsd/zones/4.10.in-addr.arpa.zone"  
include-pattern: "synchro-from-master"
```

zone:

```
name: "5.10.in-addr.arpa."  
zonefile: "/etc/nsd/zones/5.10.in-addr.arpa.zone"  
include-pattern: "synchro-from-master"
```

Configuration

Edit `nsd.conf` to configure the service as wished.

We need to set a port different than 53, as it is used by Unbound. We also need to bind on a non-local (non localhost) IP address, simply because we need to have zone transfers between our name servers.

We also have to generate a cryptographic key to protect our zone transfers:

```
dd if=/dev/random of=/dev/stdout count=1 bs=32 | base64
```

Mise à jour

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Bibliographie

- Site web officiel : <http://www.nlnetlabs.nl/projects/nsd/> ;
- Wikipedia : <https://en.wikipedia.org/wiki/NSD> / fr ;
- https://calomel.org/nsd_dns.html;
- <https://www.digitalocean.com/community/tutorials/how-to-use-nsd-an-authoritative-only-dns-server-on-ubuntu-14-04>;
- etc.

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