TSBE Bern
Höhere Fachschule

DNS-Architektur – tsbe.int – Lösungsvorschlag

/etc/bind/named.conf.options

```
options {
    directory "/var/cache/bind";
    forwarders {8.8.8.8; 10.5.11.12;};
    allow-query {192.168.0.0/16;};
    dnssec-validation no;
    dnssec-enable no;
    auth-nxdomain no;
};
```

/etc/bind/named.conf.local

```
zone "tsbe.int" in {
    type master;
    file "/etc/bind/db.tsbe.int";
};

zone "tsbe.dmz" in {
    type master;
    file "/etc/bind/db.tsbe.dmz";
};


zone "210.168.192.in-addr.arpa" in {
    type master;
    file "/etc/bind/db.192.168.210";
};

zone "220.168.192.in-addr.arpa" in {
    type master;
    file "/etc/bind/db.192.168.220";
};
```

/etc/bind/db.tsbe.int

```
$TTL        604800
@       IN      SOA     jupiter.tsbe.dmz. root.tsbe.dmz. (
                    2016091601        ; Serial
                       604800         ; Refresh
                        86400         ; Retry
                      2419200         ; Expire
                       604800 )       ; Negative Cache TTL
;
@       IN          NS              jupiter.tsbe.dmz.
@       IN          A               192.168.210.102

as2     IN          A               192.168.210.100
serv1   IN          A               192.168.210.102
serv2   IN          A               192.168.210.103
```

TSBE Bern
Höhere Fachschule

/etc/bind/db.tsbe.dmz

```
$TTL        604800
@       IN      SOA     jupiter.tsbe.dmz. root.tsbe.dmz. (
                    2016091601      ; Serial
                       604800       ; Refresh
                        86400       ; Retry
                      2419200       ; Expire
                       604800 )     ; Negative Cache TTL
;
@           IN          NS          jupiter.tsbe.dmz.
@           IN          A           192.168.210.102

jupiter     IN          A           192.168.220.5
www         IN          A           192.168.220.5
bs1         IN          A           192.168.220.102
bs2         IN          A           192.168.220.100
```

/etc/bind/db.192.168.210

```
$TTL        604800
@       IN      SOA     jupiter.tsbe.dmz. root.tsbe.dmz. (
                    2016091601      ; Serial
                       604800       ; Refresh
                        86400       ; Retry
                      2419200       ; Expire
                       604800 )     ; Negative Cache TTL
;
@           IN          NS          jupiter.tsbe.dmz.

100         IN          PTR         as2.tsbe.int.
102         IN          PTR         serv1.tsbe.int.
103         IN          PTR         serv2.tsbe.int.
```

/etc/bind/db.192.168.220

```
$TTL        604800
@       IN      SOA     jupiter.tsbe.dmz. root.tsbe.dmz. (
                    2016091601      ; Serial
                       604800       ; Refresh
                        86400       ; Retry
                      2419200       ; Expire
                       604800 )     ; Negative Cache TTL
;
@           IN          NS          jupiter.tsbe.dmz.

5           IN          PTR         jupiter.tsbe.dmz.
5           IN          PTR         www.tsbe.dmz.
102         IN          PTR         bs1.tsbe.dmz.
100         IN          PTR         bs2.tsbe.dmz.
```

/etc/network/interfaces

```
auto lo
iface lo inet loopback

auto eth0
iface eth0 inet static
    address  192.168.210.60
    network  192.168.210.0
    netmask  255.255.255.0
    broadcast  192.168.210.255
    gateway  192.168.210.1
#
    dns-nameservers 192.168.220.5
    dns-search tsbe.int
```

ifdown eth0
ifup eth0

service bind9 restart

tail /var/log/syslog

nslookup jupiter.tsbe.int
nslookup www.tsbe.int
nslookup www.google.ch
nslookup 192.168.210.102

vmWP1: