

# SPOS 2016 III.

Wednesday 17 February 2016

## 3.cviceni

Ziskani informaci z DNS:

```
host zcu.cz
host -t NS zcu.cz
host -t MX zcu.cz localhost
dig zcu.cz
dig -t AAAA zcu.cz
dig -t SOA zcu.cz @localhost
nslookup
whois
```

```
/etc/resolv.conf
/etc/hosts
```

Bind9:

```
apt-get install bind9 dnsutils

/etc/bind/named.conf*
/etc/bind/db.*

service bind9 start|stop|restart

/var/log/syslog

allow-recursion {10.0.0.0/24;};
listen-on {127.0.0.1;};
listen-on-v6 {::1;};
```

Zonovy soubor:

```
$TTL 604800
@      IN      SOA  jindra.spos. root.localhost. (
                        2                · Serial / YYYYMMDDXX
```

ACL:

```
acl "trusted" {
    10.0.0.1;
    10.0.0.2;
    147.228.0.0/16;
};
```

Zony:

```
zone "jindra.spos." in {
    type master;
    file "/etc/bind/db.jindra.spos";
    allow-transfer {147.228.67.0/24;};
};

zone "lubos.spos." in {
    type slave;
    file "/etc/bind/slave/slave.lubos.spos";
    masters {147.228.67.41;};
};
```

```

604800      ; Refresh / seconds
86400       ; Retry / seconds
2419200     ; Expire / seconds
604800 )    ; Negative Cache TTL / explicitni TTL

```

```

@      IN      NS      ns.jindra.spos.
@      IN      NS      lubos.spos.
@      IN      A       147.228.67.42
@      IN      A       147.228.67.41
@      IN      AAAA    ::1
mail   IN      A       147.228.67.42
pop3   IN      CNAME   mail
smtp   IN      CNAME   mail.jindra.spos.
imap   IN      CNAME   mail.jindra.spos
@      IN      MX      10  mail
@      IN      MX      20  mail.lubos.spos.
ns     IN      A       147.228.67.42
txt    IN      TXT     "ahoj svete"

```

Pohledy:

```

view "localnetwork" {
  match-clients { 192.168.0.0/24; };
  recursion yes;
  zone "jindra.spos." {
    type master;
    file "/etc/bind/local/db.jindra.spos"
  }
}

view "publicnetwork" {
  match-clients {"any"; };
  recursion no;
  zone "jindra.spos." {
    type master;
    file "/etc/bind/public/db.jindra.spos"
  }
}

```

Forwarding:

```

; globalni nastaveni
options {
  directory "/var/named";
  version "not available";
  forwarders {10.0.0.1; 10.0.0.2;};
  forward only;
};

; per zone nastaveni
zone "example.com" IN {
  type forward;
  forwarders {10.0.0.1; 10.0.0.2;};
};

```

Nastaveni:

```
options {  
    directory "/var/cache/bind";  
    recursion yes;  
    allow-recursion { trusted; };  
    listen-on { 10.228.67.42; 147.228.67.42; };  
    allow-transfer { none; };  
    forwarders {  
        8.8.8.8;  
        8.8.4.4;  
    };  
    ...  
};
```