



DNS

Berkeley Internet Name Domain(BIND)

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Rasmus Elmholt



Bind

- Den mest brugte DNS server på internettet
- DNS survey i 04
 - 37,836,997 domains undersøgt
 - 24,335,752(70.105%) domains bruger BIND
 - 5,405,266(15.571%) domains bruger TinyDNS
 - 2,165,143(6.237%) domains bruger Microsoft DNS
 - 646,524 DNS servere(468,808 fingerprinted)
 - 340,345(72.598%) servere bruger BIND
 - 101,781(21.711%) servere bruger Microsoft DNS

Kilde: <http://mydns.bboy.net./survey/>



Bind

- /etc/bind/named.conf.options
 - Indeholder options og forwarders
 - forwarders {
Replace the address below with the address of your provider's DNS server
172.16.4.66;
};
- /etc/bind/named.conf.local
 - Indeholder zoner og config



Named.conf.local

#Forward lookup zone for cluster.tekkom.dk

```
zone "cluster.tekkom.dk" {  
  type master;  
  file "/etc/bind/zones/cluster.tekkom.dk.db";  
};
```

#Revers lookup zone for 192.168.0.x

```
zone "0.168.192.in-addr.arpa" {  
  type master;  
  file "/etc/bind/zones/0.168.192.in-addr.arpa";  
};
```



Zone filerne

- Mkdir /etc/bind/zones
- Nano /etc/bind/zones/cluster.tekkom.dk.db
- Nano /etc/bind/zones/0.168.192.in-addr.arpa



Cluster.tekkom.dk. Zonen

- Nano /etc/bind/zones/cluster.tekkom.dk.db

```
$TTL 1D
```

```
cluster.tekkom.dk. IN SOA ns1.cluster.tekkom.dk. admin.cluster.tekkom.dk. (  
; // Do not modify the following lines!
```

```
2007031001 //Serial
```

```
28800 //Refresh
```

```
3600 //Retry
```

```
604800 //Expire
```

```
38400 //TTL
```

```
)
```

```
@                IN          NS          ns1.cluster.tekkom.dk.
```

```
ns1              IN          A           192.168.0.11
```

```
www              IN          CNAME      ns1
```

<http://support.microsoft.com/kb/163971>



0.168.192.in-addr.arpa. Zonen

- Nano /etc/bind/zones/0.168.192.in-addr.arpa

```
$TTL 1D
```

```
@ IN SOA ns1.cluster.tekkom.dk. admin.cluster.tekkom.dk. (
```

```
; // Do not modify the following lines!
```

```
2007031001 //Serial
```

```
28800 //Refresh
```

```
3600 //Retry
```

```
604800 //Expire
```

```
38400 //TTL
```

```
)
```

```
@ IN NS ns1.cluster.tekkom.dk.
```

```
11 IN PTR ns1.cluster.tekkom.dk.
```



Bind9

- `/etc/init.d/bind9 restart`
- `Dig cluster.tekkom.dk`
- `Nslookup ns1`
- `tail -f /var/log/syslog`
- `Named-checkzone tekkom.dk /zones/tekkom.dk.db`