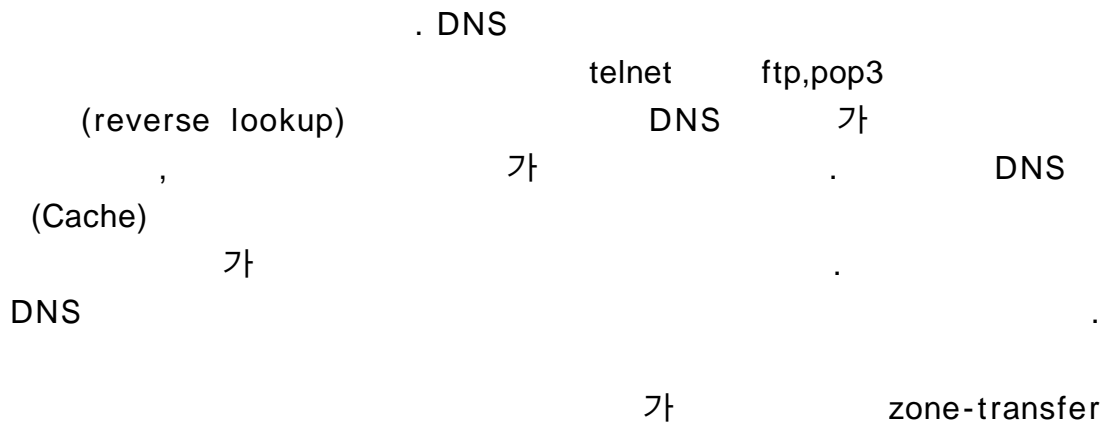


# Zone transfer

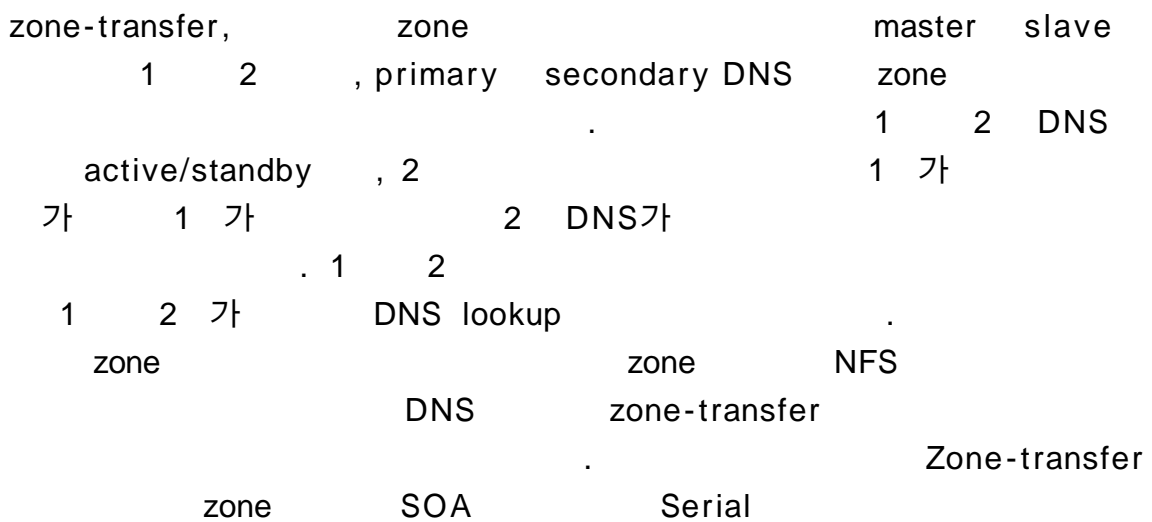
[antihong@tt.co.kr](mailto:antihong@tt.co.kr)

0. 가

DNS(Domain Name System)



1. zone-transfer 가?



## 2. Zone-transfer

zone-transfer ? 가  
가  
zone-transfer  
transfer master slave zone . master slave zone-  
가

(1) whois DNS .

```
whois xxxx.com
```

```
NS1.xxxx.COM 211.xx.xx.xx  
NS2.xxxx.COM 211.xx.xx.xx  
( )
```

(2) DNS zone-transfer . Zone-transfer  
nslookup host, dig 가 , dig

```
# dig @NS1.xxxx.COM xxxx.com axfr
```

```
; <<>> DiG 9.2.1 <<>> @NS1.xxxx.COM xxxx.com axfr  
;; global options: printcmd  
; Transfer failed.
```

```
NS1.xxxx.COM DNS xxxx.com  
zone-transfer . master DNS NS1.xxxx.COM  
(Transfer failed)가  
IP zone-transfer가  
NS1.xxxx.COM  
slave DNS NS2.xxxx.COM .
```

# dig @NS2.xxxx.COM xxx.com axfr

```
xxxx.com.                1800    IN      SOA     ns1.xxxx.com.
hostmaster.ns1.xxxx.com.
  xxxx.com.              1800    IN      MX      5 mail4.xxxx.com.
  xxxx.com.              1800    IN      MX      5 mail5.xxxx.com.
  xxxx.com.              1800    IN      A       211.xx.xx.xx
  xxxx.com.              1800    IN      NS      ns1.xxxx.com.
  xxxx.com.              1800    IN      NS      ns2.xxxx.com.
  09.xxxx.com.           300     IN      A       211.115.xx.xx
  100.xxxx.com.          1800    IN      CNAME   dic.xxxx.com.
  100dev.xxxx.com.       1800    IN      A       211.xx.xx.xxx
  24mall.xxxx.com.       1800    IN      A       61.xx.x.xxx
  account.xxxx.com.      1800    IN      A       211.xx.xx.xxx
  admin.xxxx.com.        1800    IN      A       211.xx.xx.xx
```

.....

800 zone 가

dev.xxx

DNS zone-

transfer

가

가

“xxxx.

”

, zone-transfer

/

IP IP

IDC

IP IP

zone zone M bandwidth  
 가 (Denial Of Service)

### 3. Zone-transfer

zone-transfer 가?

(1) zone-transfer가  
 , DNS zone-transfer가  
 zone-transfer 가

- 1 DNS  
 whois 1 2  
 1 2 ns2.kornet.net  
 zone-transfer

- zone  
 master/slave 2 DNS  
 zone-transfer가 rsync  
 zone-transfer

- 가 NFS  
 zone  
 DNS NFS  
 가  
 named.conf

```
options {
    allow-transfer {none; };
};
```

(2) master/slave

```
zone-transfer
master slave zone-transfer , slave
slave가 zone-transfer
가 가
가 master slave
slave zone-transfer
```

---

```
가 ,
가 .
```

```
master )
```

```
options {
    allow-transfer {192.168.1.3; };
};
```

```
192.168.1.3 slave DNS IP slave zone-
transfer 가 .
```

```
Slave )
```

```
options {
    allow-transfer {none; };
};
```

```
slave zone-transfer 가
dig IP zone-
transfer가 .
```

(3)

, bind 9.x  
IP TSIG  
zone-transfer  
udp tcp 가 tcp 53 tcp

4. ....

가  
/  
가 “ ” /  
가

<http://www.superuser.co.kr/linuxsecurityadmin/>