

OPEN DNS

가 Open DNS , , IDC, 가
DNS Open DNS
 , 011-9759-4817
 ,
 , DNS
 ,

, 2

(DNS) 가
IP 가
Open DNS
Dos, ddos
Pharming
DNS
IP
Pharming
“ ”
DNS
DNS
가
IP IP
가
IDC,
DNS
DNS가
가
IT
70~90% IT
가 Dos, DDos,
Pharming

DNS

. Unix, Linux, Windows

. NT, Windows

Domain Name Server (DNS)

DNS DNS ,
Resolver

IP

. Domain Name Server (DNS)

가

DNS ,

resolver

. DNS

IP

=IP

. DNS 가

->IP

가

IP

IP (, 222.111.111.111)

resolver

가

. Resolver

=IP

. DNS

“ ”

DNS cache

() =IP
(cache)

DNS

1984 SRI-NIC (Stanford
Research Institute-Network
Information Center)

cache

host=IP

DNS cache

Paul ,

Mockapetris

가

(cache) IP

가

DNS

BIND

. DNS

Recursion

BIND (Berkeley Internet Name
Domain) cache

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: (031) 903 -4819. (031) 908 -7632 <http://www.homepageword.com>

852-1

1111 .

Authoritative Open DNS Dos, DDos, Pharming

-> IP , 가

cache
cache poisoning
ISP
DNS cache ,

Open DNS Recursive queries 가

가 가
(, 가 가 KT,
,)
가 가

IP Open DNS -

Cache

100

recursive queries Open DNS Dos,
, A 가 , Ddos, Pharming

가 가

"recursive queries" DNS , 가
가 Open

dos, ddos

DNS cache

가

Open DNS
dos, ddos

Open DNS

2005 3 2~5

1,304

가

- | | |
|--|---|
| ✂ americanexpress.com (credit cards) | ✂ napster.com (online music) |
| ✂ citicards.com (credit cards) | ✂ musicmatch.com (online music) |
| ✂ dhl-usa.com (global shipping) | ✂ allofmp3.com (online music) |
| ✂ fedex.com (global shipping) | ✂ audible.com (online music) |
| ✂ walmart.com (retail) | ✂ modblog.com (mobile blogging site) |
| ✂ samsclub.com (retail) | ✂ trendmicro.com (anti-virus) |
| ✂ kraftfoods.com (food products) | ✂ redhat.com (linux vendor) |
| ✂ officemax.com (retail office supplies) | ✂ msoffice.com |
| ✂ verizonwireless.com (wireless telephone service) | ✂ microsoftoffice.com |
| ✂ qvc.com (retail) | ✂ officeupdate.com |
| ✂ cnn.com | ✂ giantcompany.com (microsoft's new anti-spyware) |
| ✂ nbc.com | ✂ autodesk.com (AutoCAD) |
| ✂ abc.com | ✂ realone.com |
| ✂ fox.com | ✂ realplayer.com |
| ✂ foxnews.com | ✂ emc.com (enterprise storage) |
| ✂ espn.com | ✂ msn.com |
| ✂ yahoofs.com | ✂ compuserve.com |
| ✂ chicagotribune.com | ✂ realpages.com |
| ✂ tribune.com | ✂ geocities.com |
| ✂ suntimes.com | ✂ hotbot.com |
| ✂ wgnradio.com | ✂ switchboard.com |
| ✂ businessweek.com | ✂ cleanmail.com |
| ✂ wired.com | ✂ webex.com |
| ✂ randomhouse.com | ✂ catalog.com |
| ✂ imdb.com (online music database) | ✂ about.com |

BIND

```

? /etc/named.conf
? Options      recursion no;
?              recursion . IP ;
?              . IP 가 ; 가 .
allow-recursion { 127.0.0.1; 212.211.116.83;};
? version "9.2.1"; version "Dont' even
  bother"; Don t even bother
? /etc/named.conf
  Recursion Open DNS
  . 211.211.106.83 IP .

options {
    directory "/var/named";
    version "Dont' even bother";
    allow-transfer { none; };
    allow-recursion { 127.0.0.1; 211.211.106.83;};
};
    
```

Simple DNS

```

? Simple DNS Plus .
? Tools Options .
? DNS 'Recursion' Perform DNS recursion
? Recursion , 'Only for the
  following client IP addresses IP .

  2000

? -> -> -> DNS
? ,
? , Recursion .
  .
    
```



Windows2003

? DNS .
? DNS .
?
? , Recursion .

() .

, Open DNS, Dos, DDos, Pharming,