

# Re: Bind

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/RedHat/2007-11/msg00205.html>

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  - *Date:* Sun, 18 Nov 2007 13:49:56 -0500
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MadUnix:

How is your system supposed to know who linux1 belongs to? You have to do a dig or nslookup on linux1.my.lan and not just linux1. Or maybe I'm missing something here.

Ezra

On Nov 17, 2007 8:10 AM, Mad Unix <[madunix@xxxxxxxxx](mailto:madunix@xxxxxxxxx)> wrote:

Hi linuxers

I am setting up a DNS/BIND for my local office 100 users for resolving internal (nonroutable) and external names (internet) for internet usage it works fine but for internal one it shows problems am not using real name i called only my.lan  
my DNS server 10.5.1.30 hostname: linux1.my.lan  
my clients having 10.6.x.0/24  
my servers having 10.5.0.0/16

can any one tell me what am doing wrong?

```
root@linuxvmware:~# cat /etc/resolv.conf
nameserver 10.5.1.30
domain my.lan
search my.lan
```

```
root@linuxvmware:~# nslookup redhat.com
Server: 10.5.1.30
Address: 10.5.1.30#53
```

```
Non-authoritative answer:
Name: redhat.com
Address: 209.132.177.50
```

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```
root@linuxvmware:~# dig redhat.com
```

```
; <<> DiG 9.4.1-P1 <<> redhat.com
;; global options: printcmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 41276
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 3, ADDITIONAL: 1

;; QUESTION SECTION:
;redhat.com. IN A

;; ANSWER SECTION:
redhat.com. 49 IN A 209.132.177.50

;; AUTHORITY SECTION:
redhat.com. 370 IN NS ns1.redhat.com.
redhat.com. 370 IN NS ns2.redhat.com.
redhat.com. 370 IN NS ns3.redhat.com.

;; ADDITIONAL SECTION:
ns3.redhat.com. 90304 IN A 66.187.229.10

;; Query time: 11 msec
;; SERVER: 10.5.1.30#53(10.5.1.30)
;; WHEN: Sun Nov 4 20:58:54 2007
;; MSG SIZE rcvd: 114
```

```
root@linuxvmware:~# dig linux1
```

```
; <<> DiG 9.4.1-P1 <<> linux1
;; global options: printcmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 2535
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 0

;; QUESTION SECTION:
;linux1. IN A

;; AUTHORITY SECTION:
. 5874 IN SOA A.ROOT-SERVERS.NET.
NSTLD.VERISIGN-GRS.COM. 2007111601 1800 900 604800 86400

;; Query time: 2 msec
;; SERVER: 10.5.1.30#53(10.5.1.30)
;; WHEN: Sun Nov 4 20:59:23 2007
;; MSG SIZE rcvd: 99
```

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```
root@linuxvmware:~# nslookup linux1
Server: 10.5.1.30
Address: 10.5.1.30#53
```

```
** server can't find linux1: NXDOMAIN
```

```
root@linuxvmware:~#
```

```
/etc/named.caching-nameserver.conf
```

```
//
// named.caching-nameserver.conf
//
// Provided by Red Hat caching-nameserver package to configure the
// ISC BIND named(8) DNS server as a caching only nameserver
// (as a localhost DNS resolver only).
//
// See /usr/share/doc/bind*/sample/ for example named configuration files.
//
// DO NOT EDIT THIS FILE – use system-config-bind or an editor
// to create named.conf – edits to this file will be lost on
// caching-nameserver package upgrade.
//
```

```
acl my-lan { 10.5.0.0/16; 10.6.40.0/24; 127.0/8; };
```

```
options {
forwarders { X.X.X.X; Y.Y.Y.Y; }; #IP of upstream ISP nameserver(s)
forward only; #rely completely on our upstream nameservers
listen-on port 53 { 127.0.0.1; 10.5.1.30; };
listen-on { 10.5.1.30; };
listen-on-v6 port 53 { ::1; };
directory "/var/named";
dump-file "/var/named/data/cache_dump.db";
statistics-file "/var/named/data/named_stats.txt";
memstatistics-file "/var/named/data/named_mem_stats.txt";
query-source port 53;
query-source-v6 port 53;
allow-query { localhost; my-lan; };
};
logging {
channel default_debug {
file "data/named.run";
```

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```
severity dynamic;
};
};

zone "." {
type hint;
file "named.root";
};

# Forward Zone for my.lan domain
zone "my.lan" IN {
type master;
file "my.lan.zone";
allow-query { localhost; my-lan; };
};

# Reverse Zone for my.lan domain
zone "0.10.in-addr.arpa" IN {
type master;
// file "10.0.zone";
file "10.in-addr.arpa";
//file "0.10.in-addr.arpa";
allow-query { localhost; my-lan; };
};

view localhost_resolver {
match-clients { localhost; 10.5.0.0/16; 10.6.40.0/24; 127.0/8;
};
match-destinations { localhost; };
recursion yes;
include "/etc/named.rfc1912.zones";
};
~
```

---

my.lan.zone

\$TTL 12h

```
@ IN SOA linux1.my.lan. pons.my.lan. (
2007052500 ; Serial
10800 ; Refresh
3600 ; Retry
604800 ; Expire
86400 ) ; Minimum
; Name servers
IN NS linux1.my.lan.
```

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; Mail servers  
IN MX 5 linux1.my.lan.  
; Individual servers  
linux1 IN A 10.5.1.30  
linuxvmware IN A 10.6.40.81  
mailhost IN CNAME linux1  
www IN CNAME linux1

-----  
10.in-addr.arpa

\$TTL 24h  
; 10.0.rev  
@ IN SOA linux1.my.lan pons.my.lan. (  
2007052500  
10800  
3600  
604800  
86400 )

IN NS linux1.my.lan.

10 IN PTR linux1.my.lan.  
1 IN PTR linuxvmware.my.lan.

--  
madunix

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redhat-list mailing list  
unsubscribe <mailto:redhat-list-request@xxxxxxxxxx?subject=unsubscribe>  
<https://www.redhat.com/mailman/listinfo/redhat-list>

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Ezra Taylor

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