IP：4.7 **IP：4.207** **IP：4.20** **IP：4.30**

| 客户端 DNS | 客户端 | Web1 | Web2 |

案例要求：

1.Web1搭建基于域名的虚拟Web主机

2.Web2搭建基于域名的虚拟Web主机

3.两台Web服务器均提供两个页面，www.sina.com与www.tedu.cn

4.在svr7上实现DNS服务器，实现当客户端为4.207时，任何域名解析结果均为192.168.4.20

5.在svr7上实现DNS服务器，实现当客户端非4.207时，任何域名解析结果均为192.168.4.30

6.所有服务器的DNS均指向192.168.4.7

$$

克隆新机-->配置 ip-->防火墙、SELinux-->搭建 Yum

```
[root@web1 ~]# firewall-cmd --set-default-zone=trusted
success
```

```
[root@web1 ~]# vim /etc/selinux/config
SELINUX=permissive
# SELINUXTYPE= can take one of three two values:
#     targeted - Targeted processes are protected,
#     minimum - Modification of targeted policy. Only selected processes
 are protected.
#     mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

```
[root@web1 ~]# rm -rf /etc/yum.repos.d/*
[root@web1 ~]# vim //etc/yum.repos.d/web1.repo
```

```
[dvd]
name=web1
baseurl=http://192.168.4.254/rhel7/
enabled=1
gpgcheck=0
```

```
[root@web1 ~]# yum repolist
已加载插件：langpacks, product-id, search-disabled-repos, subscription-m
anager
```

```
[root@web1 ~]# yum -y install httpd
```

Web1

```
[root@web1 ~]# vim /etc/httpd/conf.d/web1.conf
```

```
<virtualhost *:80>
servername www.sina.com
documentroot /var/www/sina
</virtualhost>
<virtualhost *:80>
servername www.tedu.cn
documentroot /var/www/tedu
</virtualhost>
```

```
[root@web1 ~]# mkdir /var/www/sina
[root@web1 ~]# mkdir /var/www/tedu
[root@web1 ~]# echo wo shi sina1 > /var/www/sina/index.html
[root@web1 ~]# echo wo shi tedu1 > /var/www/tedu/index.html
[root@web1 ~]# systemctl restart httpd
[root@web1 ~]#
[root@web1 ~]# echo nameserver 192.168.4.17 > /etc/resolv.conf
```

Web2

```
[root@web2 ~]# vim /etc/httpd/conf.d/web2.conf
[root@web2 ~]# mkdir /var/www/sina
[root@web2 ~]# mkdir /var/www/tedu
[root@web2 ~]# echo wo shi sina2 > /var/www/sina/index.html
[root@web2 ~]# echo wo shi tedu2 > /var/www/tedu/index.html
[root@web2 ~]# systemctl restart httpd
[root@web2 ~]# echo nameserver 192.168.4.17 > /etc/resolv.conf
```

Svr7

```
[root@dns-kh ~]# vim /etc/selinux/config
[root@dns-kh ~]# rm -rf /etc/yum.repos.d/*
[root@dns-kh ~]# vim /etc/yum.repos.d/dns.repo
[root@dns-kh ~]# yum repolist
已加载插件：langpacks, product-id, search-disabled-repos, subscription-m
anager
```

```
[root@dns-kh ~]# yum -y install bind-chroot bind
已加载插件：langpacks, product-id, search-disabled-repos, subscription-m
anager
```

```
[root@dns-kh ~]# cd /var/named
[root@dns-kh named]# ls
chroot  data  dynamic  named.ca  named.empty  named.localhost  named.loo
pback  slaves
[root@dns-kh named]# cp -p named.localhost sina.com.haha
[root@dns-kh named]# cp -p named.localhost sina.com.xixi
[root@dns-kh named]# cp -p named.localhost tedu.cn.haha
[root@dns-kh named]# cp -p named.localhost tedu.cn.xixi
```

```
[root@dns-kh named]# vim sina.com.haha
```

```
$TTL 1D
@       IN SOA  @ rname.invalid. (
                                        0       ; serial
                                        1D      ; refresh
                                        1H      ; retry
                                        1W      ; expire
                                        3H )    ; minimum
sina.com.           NS      dns-kh
dns-kh              A       192.168.4.17
www                 A       192.168.4.37
```

```
[root@dns-kh named]# vim tedu.cn.haha
```

```
$TTL 1D
@       IN SOA  @ rname.invalid. (
                                        0          ; serial
                                        1D         ; refresh
                                        1H         ; retry
                                        1W         ; expire
                                        3H )       ; minimum
tedu.cn.           NS        dns-kh
dns-kh             A         192.168.4.17
www                A         192.168.4.37
```
[root@dns-kh named]# vim sina.com.xixi

```
$TTL 1D
@       IN SOA  @ rname.invalid. (
                                        0          ; serial
                                        1D         ; refresh
                                        1H         ; retry
                                        1W         ; expire
                                        3H )       ; minimum
sina.com.          NS        dns-kh
dns-kh             A         192.168.4.17
www                A         192.168.4.47
```
[root@dns-kh named]# vim tedu.cn.xixi

```
$TTL 1D
@       IN SOA  @ rname.invalid. (
                                        0          ; serial
                                        1D         ; refresh
                                        1H         ; retry
                                        1W         ; expire
                                        3H )       ; minimum
tedu.cn.           NS        dns-kh
dns-kh             A         192.168.4.17
www                A         192.168.4.47
```
[root@dns-kh named]# systemctl restart named
[root@dns-kh named]# systemctl enable named
Created symlink from /etc/systemd/system/multi-user.target.wants/named.service to /usr/lib/systemd/system/named.service.
[root@dns-kh named]# vim /etc/named.conf

```
options {
        directory        "/var/named";
};
view  "haha" {
match-clients {192.168.4.27;  };
zone "sina.com" IN {
        type master;
        file "sina.com.haha";
};
zone "tedu.cn" IN {
        type master;
        file "tedu.cn.haha";
};
};
view  "xixi" {
match-clients { any;  };
zone "sina.com" IN {
        type master;
        file "sina.com.xixi";
};
zone "tedu.cn" IN {
        type master;
        file "tedu.cn.xixi";
};
};
```

```
[root@dns-kh named]# systemctl restart named
[root@dns-kh named]# systemctl enable named
```

验证

```
[root@dns-kh named]# nslookup www.sina.com
Server:         127.0.0.1
Address:        127.0.0.1#53

Name:   www.sina.com
Address: 192.168.4.47

[root@dns-kh named]# nslookup www.tedu.cn
Server:         127.0.0.1
Address:        127.0.0.1#53

Name:   www.tedu.cn
Address: 192.168.4.47
```

```
[root@dns-kh named]# elinks -dump www.sina.com
   wo shi sina2
[root@dns-kh named]# elinks -dump www.tedu.cn
   wo shi tedu2
```

```
[root@kh ~]# echo nameserver 192.168.4.17 > /etc/resolv.conf
[root@kh ~]# nslookup www.sina.com
Server:         192.168.4.17
Address:        192.168.4.17#53

Name:   www.sina.com
Address: 192.168.4.37

[root@kh ~]# nslookup www.tedu.cn
Server:         192.168.4.17
Address:        192.168.4.17#53

Name:   www.tedu.cn
Address: 192.168.4.37

[root@kh ~]# elinks -dump www.sina.com
   wo shi sina1
[root@kh ~]# elinks -dump www.tedu.cn
   wo shi tedu1
```