**安装bind**

1、安装bind软件，需要安装3 个bind、bind-chroot、bind-util

|  |
| --- |
| [root@localhost pub]# **yum install -y bind bind-chroot bind-utils**  Installed:  bind.i686 32:9.8.2-0.17.rc1.el6\_4.6  Complete! |

2、修改配置文件“/etc/named.conf”，追加“forward”

|  |
| --- |
| [root@localhost pub]# **gedit /etc/named.conf**  options {  listen-on port 53 { 127.0.0.1; };  # 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";  allow-query { localhost; };  recursion yes;  dnssec-enable yes;  dnssec-validation yes;  dnssec-lookaside auto;  /\* Path to ISC DLV key \*/  bindkeys-file "/etc/named.iscdlv.key";  managed-keys-directory "/var/named/dynamic";  **forward only;**  **forwarders{**  **8.8.8.8;**  **}**  }; |

3、设置防火墙，这里需要用到53端口。需要开启tcp和udp的53端口，记得重启防火墙

|  |
| --- |
| [root@localhost pub]# **gedit /etc/sysconfig/iptables**  -A INPUT -m state --state NEW -m tcp -p tcp --dport 443 -j ACCEPT  **-A INPUT -m state --state NEW -m tcp -p tcp --dport 53 -j ACCEPT**  **-A INPUT -m state --state NEW -m udp -p udp --dport 53 -j ACCEPT**  [root@localhost phpMyAdmin]# **service iptables restart**  iptables：将链设置为政策 ACCEPT：filter nat [确定]  iptables：清除防火墙规则： [确定]  iptables：正在卸载模块： [确定]  iptables：应用防火墙规则： [确定]  iptables：载入额外模块：nf\_conntrack\_ftp [确定]  [root@localhost phpMyAdmin]# |

4、启动服务

|  |
| --- |
| [root@localhost pub]# service named start  启动 named： [确定]  [root@localhost pub]# |

5、测试，命令格式“dig 网站 @ip”，这里用回环地址来测试，看是否能请求成功

|  |
| --- |
| [root@localhost pub]# **dig www.baidu.com @127.0.0.1**  ; <<>> DiG 9.8.2rc1-RedHat-9.8.2-0.17.rc1.el6\_4.6 <<>> www.baidu.com @127.0.0.1  ;; global options: +cmd  ;; Got answer:  ;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 51491  ;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 0  ;; QUESTION SECTION:  ;www.baidu.com. IN A  ;; ANSWER SECTION:  www.baidu.com. 1191 IN CNAME www.a.shifen.com.  **www.a.shifen.com. 299 IN A 14.215.177.38 //这个就是请求到的结果**  **www.a.shifen.com. 299 IN A 14.215.177.39**  ;; Query time: 3053 msec  ;; SERVER: 127.0.0.1#53(127.0.0.1)  ;; WHEN: Tue Aug 14 19:02:59 2018  ;; MSG SIZE rcvd: 90 |

6、更改配置文件named.conf，让所有机器都可以使用该服务。

1）将配置文件中的回环地址改为any，意味着允许任何人使用

|  |
| --- |
| [root@localhost pub]# **gedit /etc/named.conf**  options {  **listen-on port 53 {any; };**  # 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";  **allow-query { any; };**  recursion yes;  dnssec-enable yes;  dnssec-validation yes;  dnssec-lookaside auto;  /\* Path to ISC DLV key \*/  bindkeys-file "/etc/named.iscdlv.key";  managed-keys-directory "/var/named/dynamic";  **forward only;**  **forwarders{**  **8.8.8.8;**  **}**  }; |

2）找一个其他ip地址来测试

|  |
| --- |
| [root@localhost pub]# **service named restart //重启服务**  停止 named： [确定]  启动 named： [确定]  [root@localhost pub]# **dig www.baidu.com @192.168.0.113**  ; <<>> DiG 9.8.2rc1-RedHat-9.8.2-0.17.rc1.el6\_4.6 <<>> www.baidu.com @192.168.0.113  ;; global options: +cmd  ;; Got answer:  ;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 37134  ;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 0  ;; QUESTION SECTION:  ;www.baidu.com. IN A  ;; ANSWER SECTION:  **www.baidu.com. 871 IN CNAME www.a.shifen.com.**  **www.a.shifen.com. 299 IN A 14.215.177.39**  **www.a.shifen.com. 299 IN A 14.215.177.38**  ;; Query time: 474 msec  ;; SERVER: 192.168.0.113#53(192.168.0.113)  ;; WHEN: Tue Aug 14 19:06:19 2018  ;; MSG SIZE rcvd: 90 |

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