1. 安装

*yum –y install bind\**

*yum -y install caching-nameserver*

1. 在/etc下，配置文件如下：

*ls /etc/named\**

*named/*

*named.conf*

*named.iscdlv.key*

*named.rfc1912.zones*

*named.root.key*

1. 配置named.conf，修改配置如下：

*options {*

*listen-on port 53 { any; }; //开发本地ip 53端口*

*allow-query { any; }; //允许所有网络访问*

*}*

1. 编辑/etc/resolve.conf，添加：

*nameserver 10.133.47.5*

1. 配置正向解析DNS，编辑/etc/named.rfc1912.zones

*zone "fys.com" IN {*

*type master;*

*file "fys.com.zone";*

*allow-update { none; };*

*};*

在/var/named下添加域（fys.com.zone）：

*cd /var/named*

*cp –p named.localhost fys.com.zone //一定要添加-p参数，将文件信息也复制*

编辑fys.com.zone区域数据文件：

*$TTL 1D*

*@ IN SOA @ rname.invalid. (*

*0 ; serial*

*1D ; refresh*

*1H ; retry*

*1W ; expire*

*3H ) ; minimum*

*NS dns.fys.com.*

*dns A 10.133.47.5*

*www A 10.133.47.16*

蓝色域名后面添加”.”

1. 重启dns

*service named restart*

然后验证刚刚设置的域名：

*[root@fys1 named]# dig www.fys.com*

*; <<>> DiG 9.8.2rc1-RedHat-9.8.2-0.47.rc1.el6 <<>> www.fys.com*

*;; global options: +cmd*

*;; Got answer:*

*;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 33666*

*;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1*

*;; QUESTION SECTION:*

*;www.fys.com. IN A*

*;; ANSWER SECTION:*

*www.fys.com. 86400 IN A 10.133.47.16*

*;; AUTHORITY SECTION:*

*fys.com. 86400 IN NS dns.fys.com.*

*;; ADDITIONAL SECTION:*

*dns.fys.com. 86400 IN A 10.133.47.5*

*;; Query time: 0 msec*

*;; SERVER: 10.133.47.5#53(10.133.47.5)*

*;; WHEN: Fri Mar 17 19:50:54 2017*

*;; MSG SIZE rcvd: 79*

配置的正向解析DNS配置成功

1. 配置反向解析

编辑/etc/named.rfc1912.zones文件添加反解的域

*zone "47.133.10.in-addr.arpa" IN {*

*type master;*

*file "fys.com.ptr";*

*allow-update { none; };*

*};*

*添加fys.com.ptr反解域文件*

*cd /var/named*

*cp –p named.loopback fys.com.ptr*

*fys.com.ptr添加内容：*

*$TTL 1D*

*@ IN SOA @ rname.invalid. (*

*0 ; serial*

*1D ; refresh*

*1H ; retry*

*1W ; expire*

*3H ) ; minimum*

*NS dns.fys.com.*

*dns A 10.133.47.5*

*16 PTR www.fys.com.*

这里加”.”的规则和正向解析一样，重启dns服务

反向解析:

*[root@fys1 named]# dig -x 10.133.47.16*

*; <<>> DiG 9.8.2rc1-RedHat-9.8.2-0.47.rc1.el6 <<>> -x 10.133.47.16*

*;; global options: +cmd*

*;; Got answer:*

*;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 51176*

*;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 1*

*;; QUESTION SECTION:*

*;16.47.133.10.in-addr.arpa. IN PTR*

*;; ANSWER SECTION:*

*16.47.133.10.in-addr.arpa. 86400 IN PTR www.fys.com.*

*;; AUTHORITY SECTION:*

*47.133.10.in-addr.arpa. 86400 IN NS dns.fys.com.*

*;; ADDITIONAL SECTION:*

*dns.fys.com. 86400 IN A 10.133.47.5*

*;; Query time: 0 msec*

*;; SERVER: 10.133.47.5#53(10.133.47.5)*

*;; WHEN: Fri Mar 17 20:00:49 2017*

*;; MSG SIZE rcvd: 102*

*ANSWER SECTION成功解析出www.fys.com*

1. CNAME更名

CNAME资源记录，规范名字资源记录，创建特定FQDN的别名，编辑正向解析区域数据文件：

*vim /var/named/fys.com.zone*

*$TTL 1D*

*@ IN SOA @ rname.invalid. (*

*0 ; serial*

*1D ; refresh*

*1H ; retry*

*1W ; expire*

*3H ) ; minimum*

*NS dns.fys.com.*

*dns A 10.133.47.5*

*www A 10.133.47.16*

*bbs CNAME www.fys.com.*

使用客户机验证：

*[root@fys1 named]# dig bbs.fys.com*

*; <<>> DiG 9.8.2rc1-RedHat-9.8.2-0.47.rc1.el6 <<>> bbs.fys.com*

*;; global options: +cmd*

*;; Got answer:*

*;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 11991*

*;; flags: qr aa rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 1, ADDITIONAL: 1*

*;; QUESTION SECTION:*

*;bbs.fys.com. IN A*

*;; ANSWER SECTION:*

*bbs.fys.com. 86400 IN CNAME www.fys.com.*

*www.fys.com. 86400 IN A 10.133.47.16*

*;; AUTHORITY SECTION:*

*fys.com. 86400 IN NS dns.fys.com.*

*;; ADDITIONAL SECTION:*

*dns.fys.com. 86400 IN A 10.133.47.5*

*;; Query time: 0 msec*

*;; SERVER: 10.133.47.5#53(10.133.47.5)*

*;; WHEN: Fri Mar 17 20:08:24 2017*

*;; MSG SIZE rcvd: 97*

*参考文献：*

http://blog.csdn.net/men\_wen/article/details/52506748