

- IP
- IP Web --
- Nginx IP
- WHOIS
- BIND DNS
- windows 5G

IP

- IP WAN
 - 8081 8081
- IP
 - DDNS IP A
- 80 443
 - 80 IP 8081

192.168.188.205

1-65536 all

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192.168.188.205

WEB 8088

8088

DDNS

IP

DDNS

DNS

A

DDNS

IP

API ID

DNS

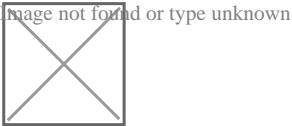
IP

IP

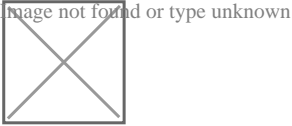
- Linux DDNS

DNSPod

-> -> ->



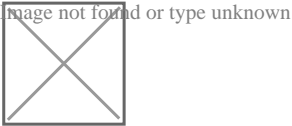
xxx.llzdsec.com A



API

-> ->API ->DNSPod Token

ID Token API



<div>1</div> <div>2</div>	<div>mkdir /ddns -m 777</div> <div>vim /ddns/ddns.sh</div> <div>BASH</div>
---------------------------	--

TOKEN,DOMAIN,SUB_DOMAIN

1
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```
#!/bin/bash

# This program establish ddns service
# to modify the public ip address of
dns server.
# The dns server is dnspod.
# /etc/crontab # if centos etc.
# */10 * * * * root
/usr/local/sbin/dnspod_ddns.sh 1>&2>
/dev/null
# /etc/crontabs/root # if openwrt
etc.
# */10 * * * *
/usr/sbin/dnspod_ddns.sh

#TOKEN=id, token
TOKEN=
"112233,67fa231667a33de0f5255f62d3316
1eb"
#full domain name
DOMAIN="yourdomain.com"
#sub domain first name
SUB_DOMAIN="xxx"

# TOKEN=`cat dnspod_ddns.conf| grep
TOKEN| awk -F'=' '{print $2}'`
# DOMAIN=`cat dnspod_ddns.conf| grep -
e '^DOMAIN'| awk -F'=' '{print $2}'`
# SUB_DOMAIN=`cat
dnspod_ddns.conf| grep SUB_DOMAIN| awk
-F'=' '{print $2}'`

DATA="login_token=$TOKEN
&format=json&domain=$DOMAIN
&sub_domain=$SUB_DOMAIN
&record_type=A&offset=0&length=3"
JSON_RECORDS=`curl -4 -s -X POST
https://dnsapi.cn/Record.List -d
$DATA`

RECORD_ID=`echo $JSON_RECORDS| sed
s/\"id\": \"[^\"]*\"/\"id\": \"1\"/`
```

1

2

3

```
chmod ugo+x ./*.sh#  
nslookup update.llzdsec.com#  
curl ip.sb#ip
```

BASH

1

2

```
crontab -e  
*/30 * * * * /bin/bash  
/liangzai/ddns.sh#30
```

BASH

WEB

80(http) 443(https)

update.llzdsec.com:

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SELinux

1

2

3

```
sed -i  
's/SELINUX=. */SELINUX=disabled/g'  
/etc/selinux/config  
cat /etc/selinux/config | grep  
^SELINUX=  
setenforce 0
```

GRADLE

1

2

```
systemctl stop firewalld  
systemctl disable firewalld
```

BASH

<div>1</div>	<div>yum install nginx -y</div> <div>BASH</div>
<div>1</div>	<div>vim /etc/nginx/conf.d/proxy.conf</div> <div>BASH</div>
<div>1 2 3 4 5 6 7 8</div>	<div>server { listen 80; server_name test.llzdsec.com; location / { proxy_pass http://update.llzdsec.com:8088; } }</div> <div>BASH</div>
<div>1</div>	<div>systemctl enable nginx -now</div>

IP Web --

IP web IIS IIS Web
IP web IIS

IIS Web

1 IP

2

3

IIS IP web

: win2000 192.168.1.10 Internet IIS

IP A B C D , :www.a.com www.b.com www.c.c

IP

1 win2000 Web

Web	Web
d:\web\a	A
d:\web\b	B
d:\web\c	C
d:\web\d	D

2 WEB , WEB ,

	A	B	C	D
IP	192.168.1.10			
TCP	80			
	www.a.com	www.b.com	www.c.com	www.d.com
	d:\web\a	d:\web\b	d:\web\c	d:\web\d

DNS :192.168.1.10.

www.a.com A

www.b.com B

www.c.com C

www.d.com D

3 WEB IP TCP ->" "->"WEB " -> IP " " "

IIS

Nginx

IP

IPv4

IP

IP

IP

IP

F5 LVS HAproxy NGINX

web

2

2 DNS

2

IP

<http://news.aaa.com> 192.168.50.123

<http://sports.aaa.com> 192.168.50.124

<http://news.aaa.com><http://sports.aaa.com>

2

IP

N

N

IP

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IP+ <http://news.aaa.com> IP 192.168.50.123 8080 <http://sports.aaa.com>

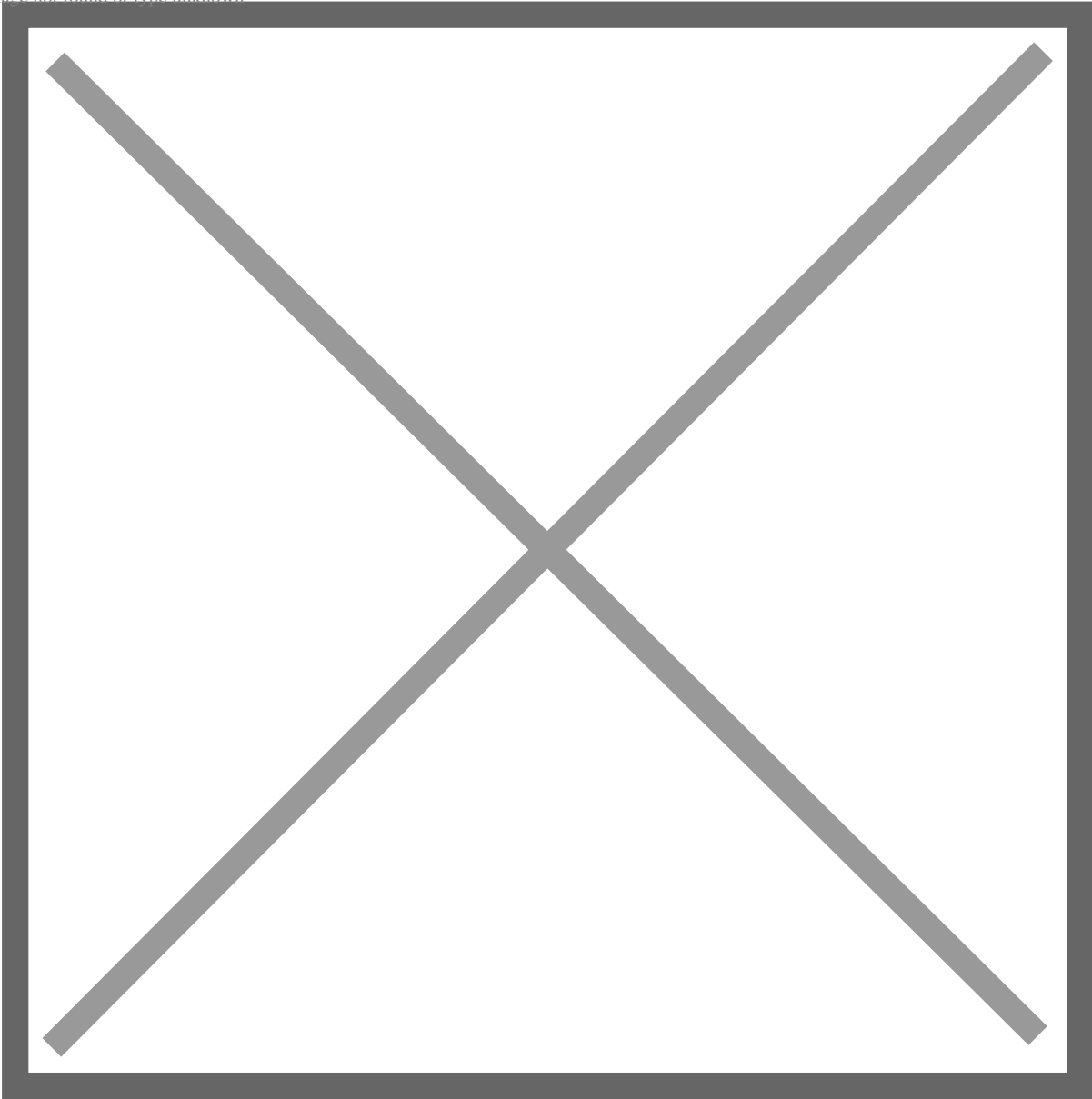
<http://sports.aaa.com:8080> 1 IP 2 8080

IP 2 DNS IP

<http://news.aaa.com> 192.168.50.123

<http://sports.aaa.com> 192.168.50.123

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IP+80 NGINX “ ”

NGINX Nginx http http http host

```
nginx    vim /etc/nginx/nginx.conf
```

```
2      2 server    80 http://sewname.com proxy_pass news upstream http://sports.aaa.com
proxy_pass sports upstream
```

```
http {

    upstream news{

        ip_hash;
```

```

server 192.168.50.201:80
}

upstream sports{
ip_hash;
server 192.168.50.202:80;
}

server {
listen 80;
server_name news.aaa.com ;
location / {
proxy_pass http://news;
proxy_set_header Host $http_host;
}

}

server {
listen 80;
server_name sports.aaa.com;
location / {
proxy_pass http://sports;
proxy_set_header Host $http_host;
}

}

}

```

<http://news.aaa.com> <http://sports.aaa.com> DNS

192.168.50.123 IP windows hosts C:\Windows\System32\drivers\etc

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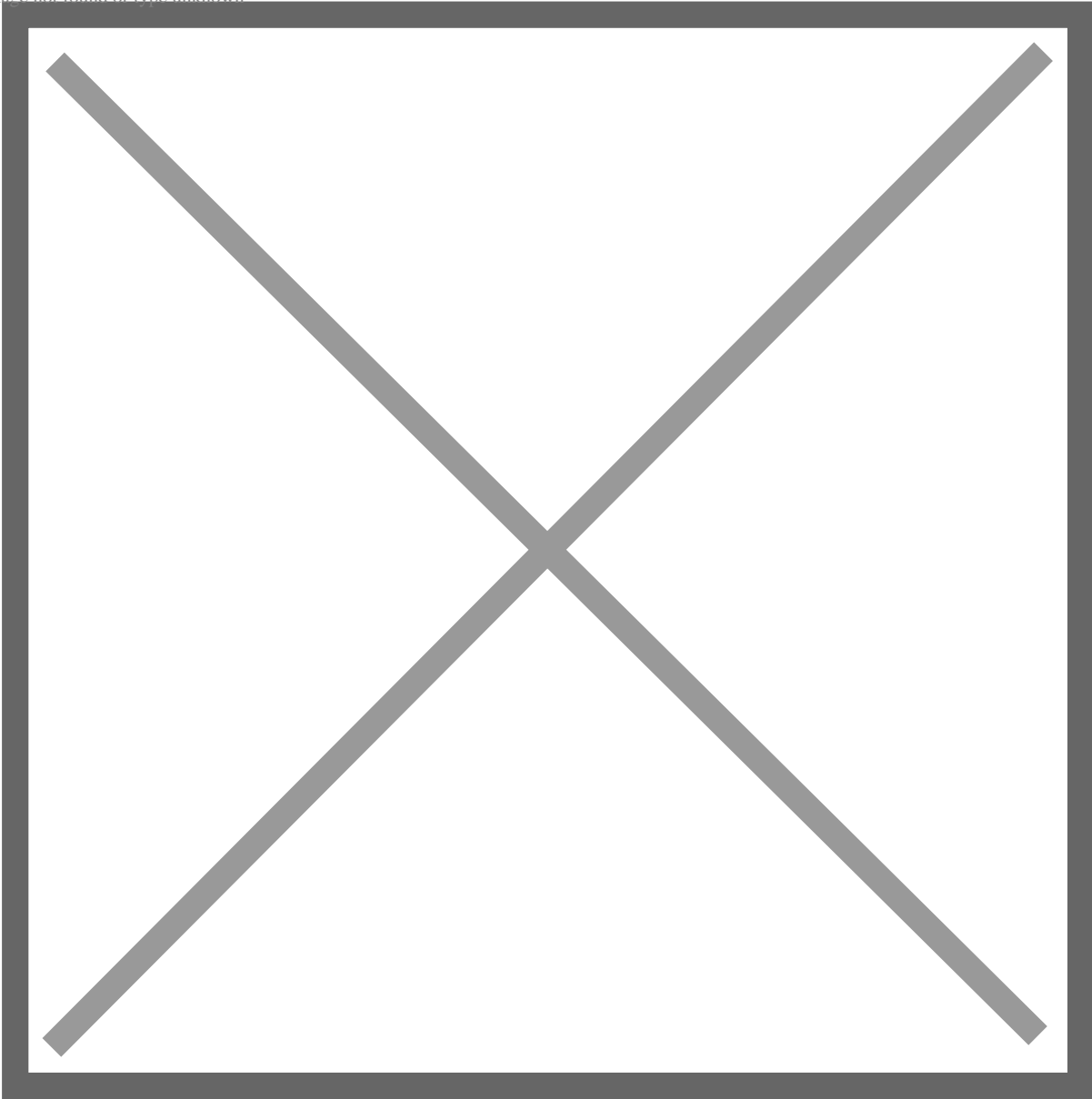
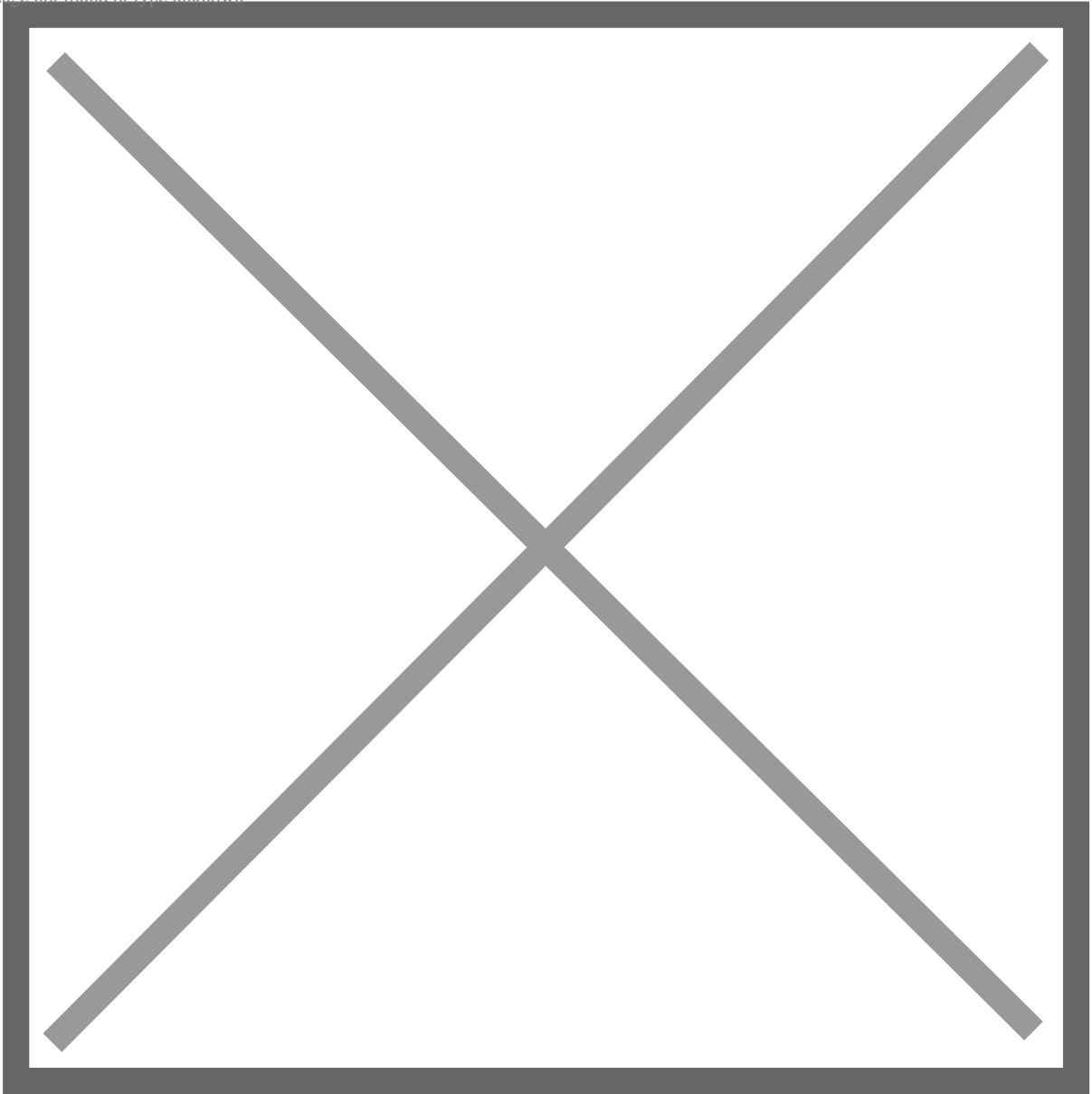


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<http://news.aaa.com>

Image not found or type unknown

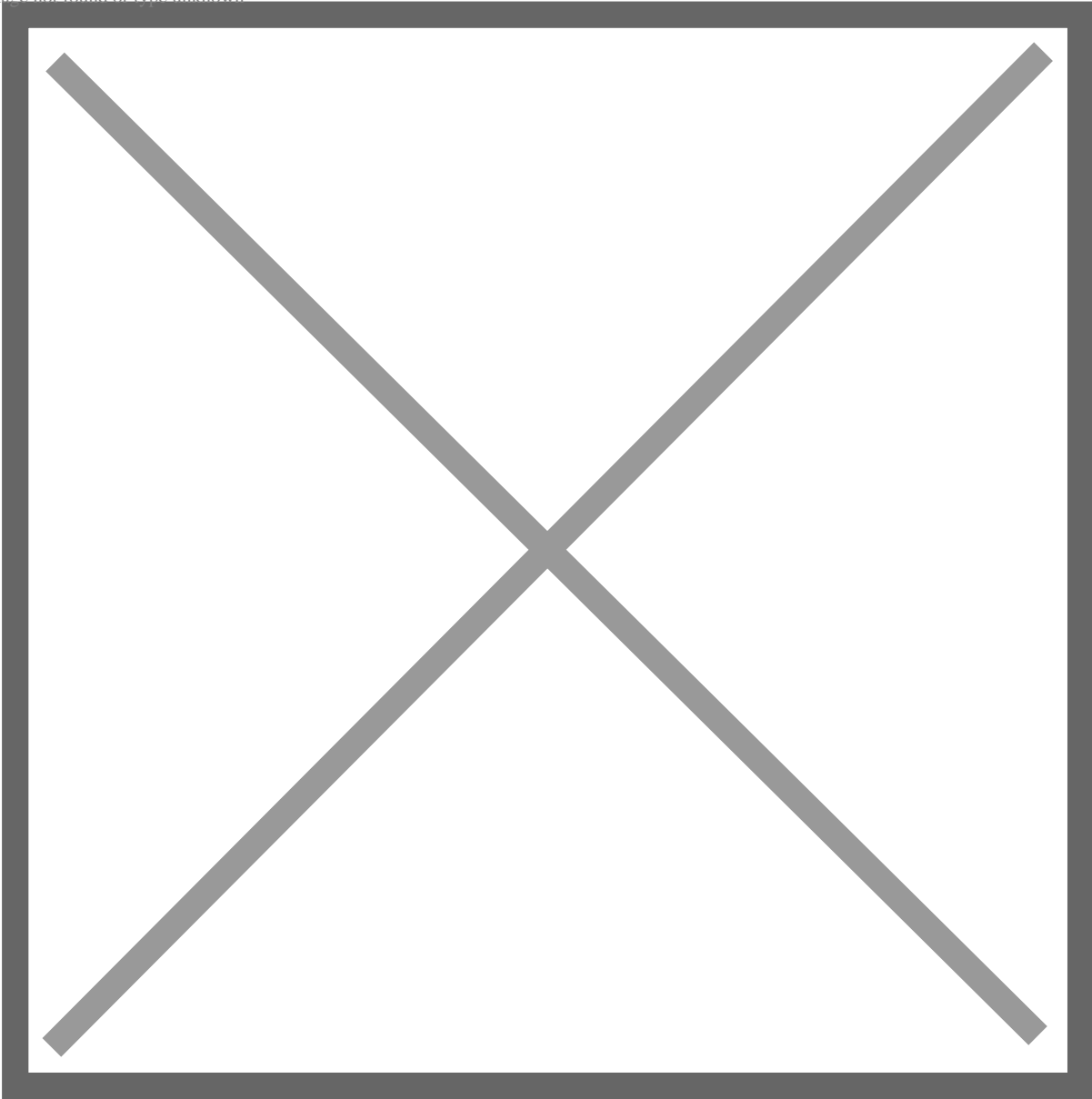
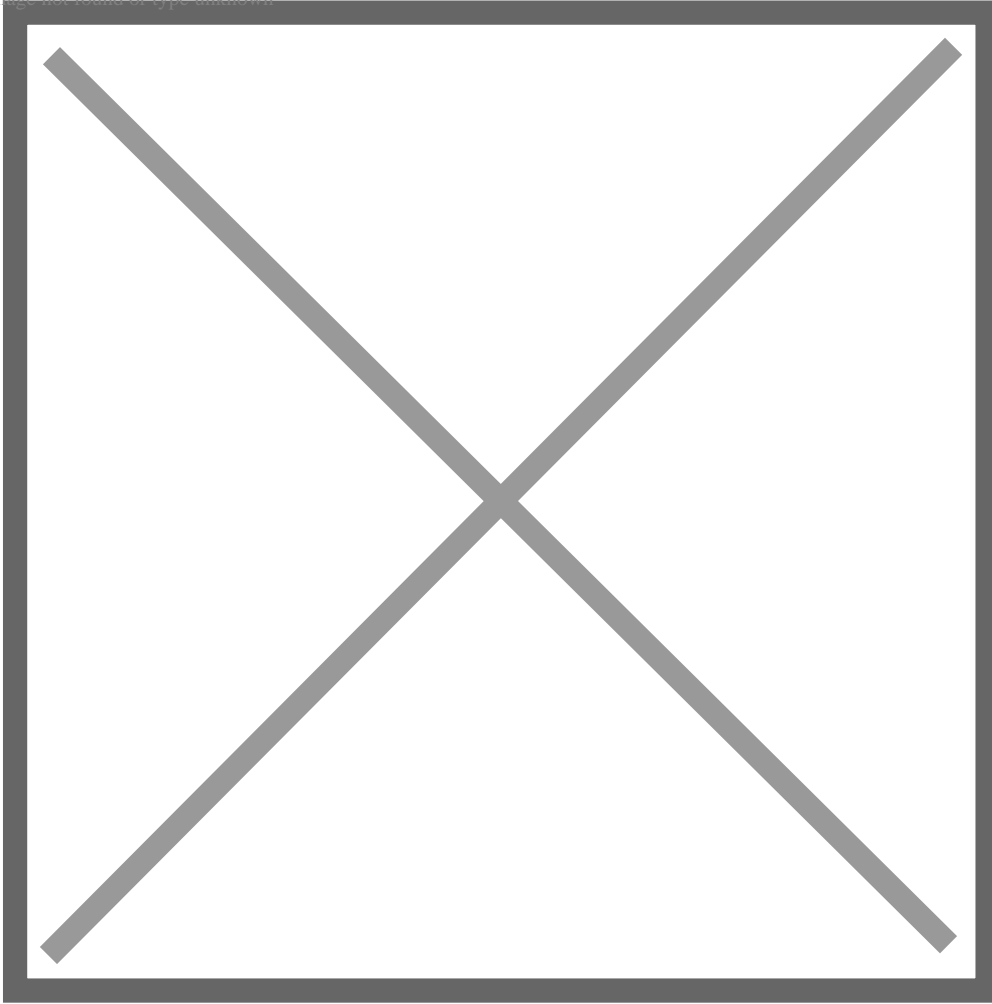


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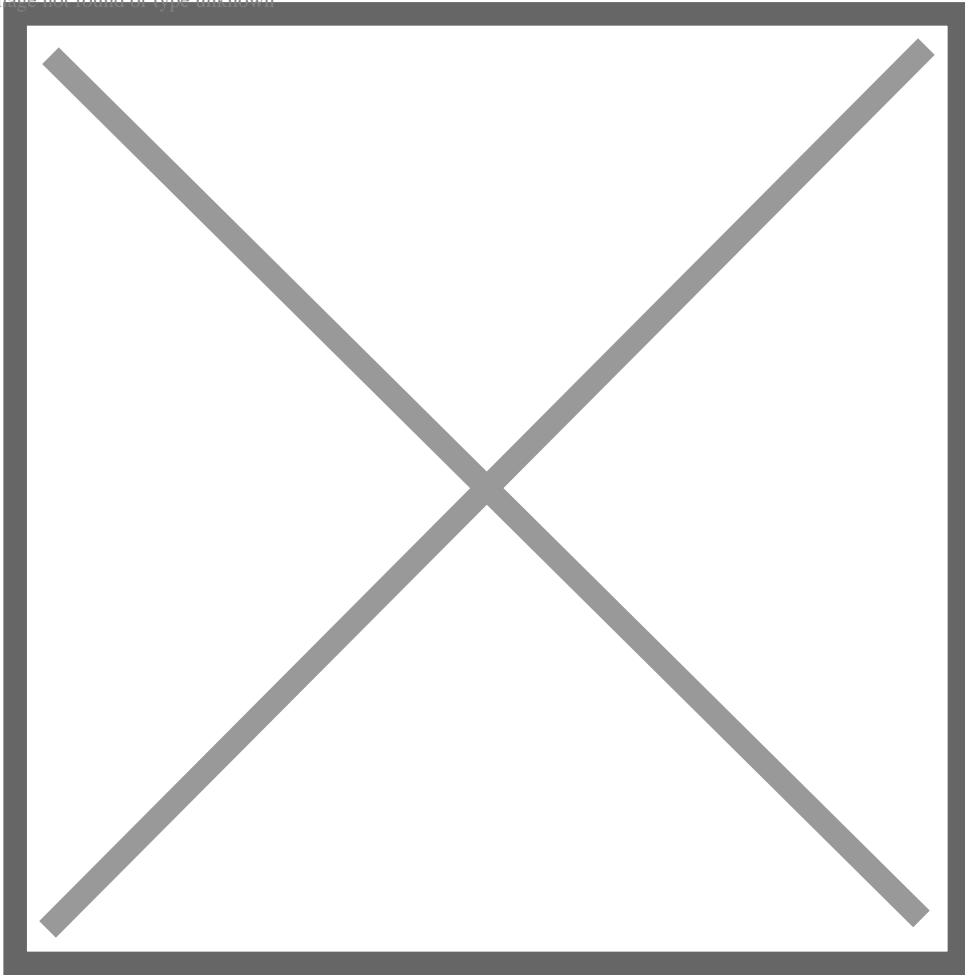


<http://sports.aaa.com>

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http host

WHOIS

example.com
IANA_RESERVED

IANA
4676 Admiralty Way, Suite 330
Marina del Rey
/ CA

92092

IANA
4676 Admiralty Way, Suite 330
Marina del Rey
/ CA

92092

[310-823-9358](tel:310-823-9358)
[310-823-8649](tel:310-823-8649)
res-dom@iana.org

IANA
4676 Admiralty Way, Suite 330
Marina del Rey
/ CA

92092

[310-823-9358](tel:310-823-9358)
[310-823-8649](tel:310-823-8649)
res-dom@iana.org

2001 11 1
2001 11 1

a.iana-servers.net

b.iana-servers.net
c.iana-servers.net

WHOIS

WHOIS

•

3.

•

CPU

CPU

CPU

				916	920
TLP Transaction Layer Packet	PCIE	128B		Y	Y
				Y	Y
	NUMA	Irqbalance		Y	Y
				Y	Y
TCP Offload	TCP			Y	Y

BIND DNS



DNS

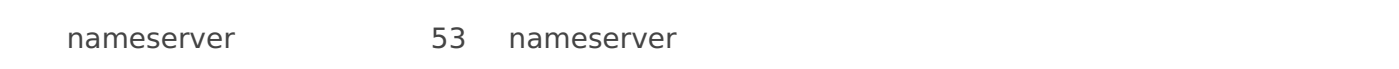


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-

Linux

- [Linux](#)
- [Linux](#)
- [Linux](#)
- [RHEL](#)

DNS DNS

- DNS DNS

- DNS DNS
- DNS DNS

DNS IP

DNS IP DNS IP IP

DNS DNS

DNS

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Ashish Bharadwaj CC BY-SA 4.0

- `www.example.com` ISP
- IP DNS TLD

- TLD.com.net
- IP
- ISP IP
- IP IP

[IT

IP IP

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Ashish Bharadwaj CC BY-SA 4.0

DNS

BIND

Linux DNS

IP

```
[root@servera ~] # yum install bind
```

BIND|named||/etc/named||/etc/named.conf|

DNS

/etc/named.conf

DNS

```
[root@servera ~] # vim /etc/named.conf
listen-on port 53 { 127.0.0.1; 192.168.25.132; };
allow-query { localhost; any; };
```

- **192.168.25.132** - DNS
- - IP

|/etc/named.conf||/etc/named.rfc1912.zones||/etc/named.rfc1912.zones|

```
[root@servera ~] # vim /etc/named.rfc1912.zones
zone "example.com" IN { type master;
file "example.forward.zone";
allow-update { none; };
};

zone "25.168.192.in-addr.arpa" IN {
type master;
file "example.reverse.zone";
allow-update { none; };
};
```

|/var/named|

```
named.conf || /var/named |
```

```
named.localhost || named.loopback |
```

```
[root@servera ~] # vim /var/named/example.forward.zone
```

Image not found or type unknown

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```
[root@servera ~] # vim /var/named/example.reverse.zone
```

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nameserver IP /etc/resolv.conf

```
NetworkManager [ /etc/resolv.conf || /etc/resolv.conf || 90-dns-none.conf ]  
[ /etc/NetworkManager/conf.d/ ]
```

```
[ main ]  
dns=none
```

NetworkManager

```
# systemctl reload NetworkManager
```


NetworkManager/etc/resolv.conf

named/etc/resolv.conf

```
[root@servera ~] # vim /etc/resolv.conf
# Generated by NetworkManager
search localdomain example.com
nameserver 192.168.25.132
```

DNS

/

named

```
[root@servera ~] # systemctl status named.service

[root@servera ~] # systemctl start named.service

[root@servera ~] # systemctl enable named.service

[root@servera ~] # systemctl restart named.service
```

DNS

named nslookup dig DNS

- nslookup
- dig DNS DNS nameserver

nslookup

```
[root@servera ~] # nslookup servera.example.com
Server: 192.168.25.132
Address: 192.168.25.132#53
Name: servera.example.com
```

Address: 192.168.25.132

```
[root@servera ~] # nslookup 192.168.25.132
132.25.168.192.in-addr.arpa name = servera.example.com.
```

192.168.25.132 IP for servera.example.com

```
[root@servera ~] # dig servera.example.com
...output truncated...

;; ANSWER SECTION:
servera.example.com. 86400 IN A 192.168.25.132

;; AUTHORITY SECTION:
example.com. 86400 IN NS servera.example.com.

...output truncated...
```

servera.example.com 192.168.25.132

```
[root@servera ~] # dig -x 192.168.25.132
...output truncated...

;; ANSWER SECTION:
132.25.168.192.in-addr.arpa. 86400 IN PTR servera.example.com.

;; AUTHORITY SECTION:
25.168.192.in-addr.arpa. 86400 IN NS servera.example.com.

;; ADDITIONAL SECTION:
servera.example.com. 86400 IN A 192.168.25.132

...output truncated...
```

D|named||nslookup||dig|

DNS

BIND

DNS

windows 5G

<https://cloud.tencent.com/developer/article/1678119>