

??

?????? Cloudflare ??? CDN ???????? Reverse Proxy ???????? GeoDNS ??????????????????????????????????
? Reverse Proxy????????????????????????????????

???? [Docker](#) ?????????????? GeoDNS ?????????????????????????????????

????

??????

```
mkdir docker-geodns
cd docker-geodns/
```

```
?? docker-compose.yml
```

```
version: '2'
```

```
services:
```

```
  geodns:
```

```
    restart: always
```

```
    image: sameersbn/bind:9.10.3-20180127
```

```
    container_name: geodns
```

```
    ports:
```

```
      - "53:53/udp"
```

```
      - "53:53/tcp"
```

```
    environment:
```

```
      - ROOT_PASSWORD=yourpassword
```

```
      - WEBMIN_ENABLED=false
```

```
    volumes:
```

```
      - /docker_vol/geodns/data:/data
```

```
NOTE:
```

```
- ??? root ??
```

```
- ??? Webmin ?????????? true
```

```
- ?????????? docker image ?????????? https://hub.docker.com/r/sameersbn/bind/
```

??????????

```
mkdir /docker_vol/geodns/data
```

```
????????? geodns
```

```
docker-compose up -d
```

??

?? DNS

???? GeoIP.acl <http://geoip.site/download/MaxMind/GeoIP.acl.gz>

```
wget http://geoip.site/download/MaxMind/GeoIP.acl.gz
gunzip GeoIP.acl.gz
cp GeoIP.acl /docker_vol/geodns/data/bind/etc
```

```
?? /docker_vol/geodns/data/bind/etc/named.conf
```

```
...
include "/etc/bind/named.conf.options";
include "/etc/bind/named.conf.local";
//include "/etc/bind/named.conf.default-zones";
...
```

```
??????????????
```

```
// GeoDNS Configuration
// The download link to the GeoIP.acl
// http://geoip.site/download/MaxMind/GeoIP.acl.gz
//
// acl file sepified the IP zones of countries.
include "/etc/bind/GeoIP.acl";
```

```
// view settings for all countries
view "USA" {
// The contents of this view will be presented to users
// from the USA.
match-clients { US; };
zone "example.com" {
// This is my zonefile with the US view.
file "/etc/bind/zones/usa/example.com.db";
type master;
};
};
```

```
view "Taiwan" {
// The contents of this view will be presented to users
// from the Taiwan.
match-clients { TW; };
zone "example.com" {
file "/etc/bind/zones/taiwan/example.com.db";
type master;
};
};
```

```
view "Global" {
// The contents of this view will be presented to users
```

```
// outside the USA and Taiwan.
zone "example.com" {
    // This is my zonefile with the default view.
    file "/etc/bind/zones/global/example.com.db";
    type master;
};
}
```

TIPs?

view ?????

match-clients ???? GeoIP.acl????????????????

????????????

/docker_vol/geodns/data/bind/etc/zones/usa/example.com.db

```
; Content for USA views
$TTL 3600
example.com. IN SOA ns1.example.com. webmaster.mail.example.com. (
    2017050403 ; Serial
    3H      ; refresh after 3 hours
    1H      ; retry after 1 hour
    1W      ; expire after 1 week
    1D)     ; minimum TTL of 1 day
    IN NS   ns1.example.com.
    IN NS   ns2.example.com.
; Content for US view
    IN TXT  "US view"
; IP from USA
    IN A    1.1.1.3
; First nameserver IP in USA
ns1      IN A    198.51.100.24
; Second nameserver IP in USA
ns2      IN A    198.51.100.42
; GLUE Nameservers that do the Geo localization.
a        IN A    1.1.1.1
b        IN A    1.1.1.2
```

/docker_vol/geodns/data/bind/etc/zones/taiwan/example.com.db

```
; Content for Taiwan views
$TTL 3600
example.com. IN SOA ns1.example.com. webmaster.mail.example.com. (
    2017050403 ; Serial
    3H      ; refresh after 3 hours
    1H      ; retry after 1 hour
    1W      ; expire after 1 week
```

```

        1D)      ; minimum TTL of 1 day
IN  NS  ns1.example.com.
IN  NS  ns2.example.com.
IN  TXT "Taiwan view"
IN  A   2.2.2.3

```

; First nameserver IP

```
ns1      IN  A   198.51.100.24
```

; Second nameserver IP

```
ns2      IN  A   198.51.100.42
```

; Nameservers that do the Geo localization.

```
a        IN  A   2.2.2.1
```

```
b        IN  A   2.2.2.2
```

/docker_vol/geodns/data/bind/etc/zones/global/example.com.db

; Content for Global views

\$TTL 3600

```
example.com. IN  SOA  ns1.example.com. webmaster.mail.example.com. (
                    2017050403 ; Serial
                    3H      ; refresh after 3 hours
                    1H      ; retry after 1 hour
                    1W      ; expire after 1 week
                    1D)     ; minimum TTL of 1 day

```

```
IN  NS  ns1.example.com.
```

```
IN  NS  ns2.example.com.
```

```
IN  TXT "Global view"
```

```
IN  A   9.9.9.3
```

; First nameserver IP

```
ns1      IN  A   203.0.113.24
```

; Second nameserver IP

```
ns2      IN  A   203.0.113.42
```

; Nameservers that do the Geo localization.

```
a        IN  A   9.9.9.1
```

```
b        IN  A   9.9.9.2
```

????

docker-compose stop

docker-compose start

?? DNS

?? VPN ?????????????????????????????? DNS ????

host a.example.com xxx.xxx.xxx.xxx

- ? xxx.xxx.xxx.xxx ?? GeoDNS ?? IP

???????????? IP 1.1.1.1

???????????? IP 2.2.2.1

???????????? IP 9.9.9.1

????

- [?? Google Container Engine ?? GeoDNS ??](#)
- DNS ????
 - ? <https://dnschecker.org>
 - ? <https://public-dns.info/>
- ??????
 - ? <https://dev.maxmind.com/geoip/legacy/codes/iso3166/>
 - ? https://dev.maxmind.com/geoip/legacy..._country_list/