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FreeBSD tinydns: Sets Up a DNS Publication / Authoritative Name Server

Posted by [Vivek Gite](#) <vivek@nixcraft.com>This entry is part 3 of 6 in the series [FreeBSD DJBDNS Server](#) ^[1][FreeBSD DJBDNS Server](#) ^[1]

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How do I setup primary dns name server using tinydns under FreeBSD operating systems?

You need to create a zone file for your domain which will provide the following data:

FreeBSD, ^[8]**DJBDNS**^[7]

1. Your name server IP address.
2. Your mail server IP address and pointer to mx.
3. Your AAAA and A records etc.

Step # 1: Create Directory For Your Zone File

Type the following command:

```
# mkdir /var/ns1.nixcraft.in
```

Step # 2: Set Up a DNS Publication Service

You need to use your IP 202.54.1.1 and directory /var/ns1.nixcraft.in as follows

```
# tinydns-conf tinydns dnslog /var/ns1.nixcraft.in 202.54.1.1
```

Above will create all required directories and default zone data file.

Step # 3: Start TinyDNS Server

Type the following command:

```
# ln -s /var/ns1.nixcraft.in /var/service/
```

Verify that UDP port # 53, opened:

```
# sockstat -4
# sockstat -4 -p 53
```

Now, all you've to do is create a zone file for your domain nixcraft.in.

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