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## FreeBSD Install DJBDNS Server

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This entry is part 1 of 6 in the series [FreeBSD DJBDNS Server](#) <sup>[1]</sup>

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- [FreeBSD Install DJBDNS Server](#)
- [FreeBSD Configure DJBDNS TinyDNS Server](#) <sup>[2]</sup>
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- [FreeBSD DJBDNS: Tinydns Add Additional Domain Names](#) <sup>[5]</sup>
- [FreeBSD DJBDNS: Create Secondary TinyDNS Server](#) <sup>[6]</sup>

djbdns's tinydns server is one of the second most popular DNS server with security in mind. How do I install DJBDNS server under FreeBSD operating systems?



DJBDNS is a collection of Domain Name System tools. It includes several components:



1. The tinydns program is a fast, UDP-only DNS server.
2. The axfrdns program is a fast, TCP-only DNS server. This is useful for transferring zones to secondary name server or bind server.
3. The dnscache program is a local DNS cache. It accepts recursive DNS queries from local clients such as web browsers. It collects responses from remote DNS servers.

## Sample Configuration Setup

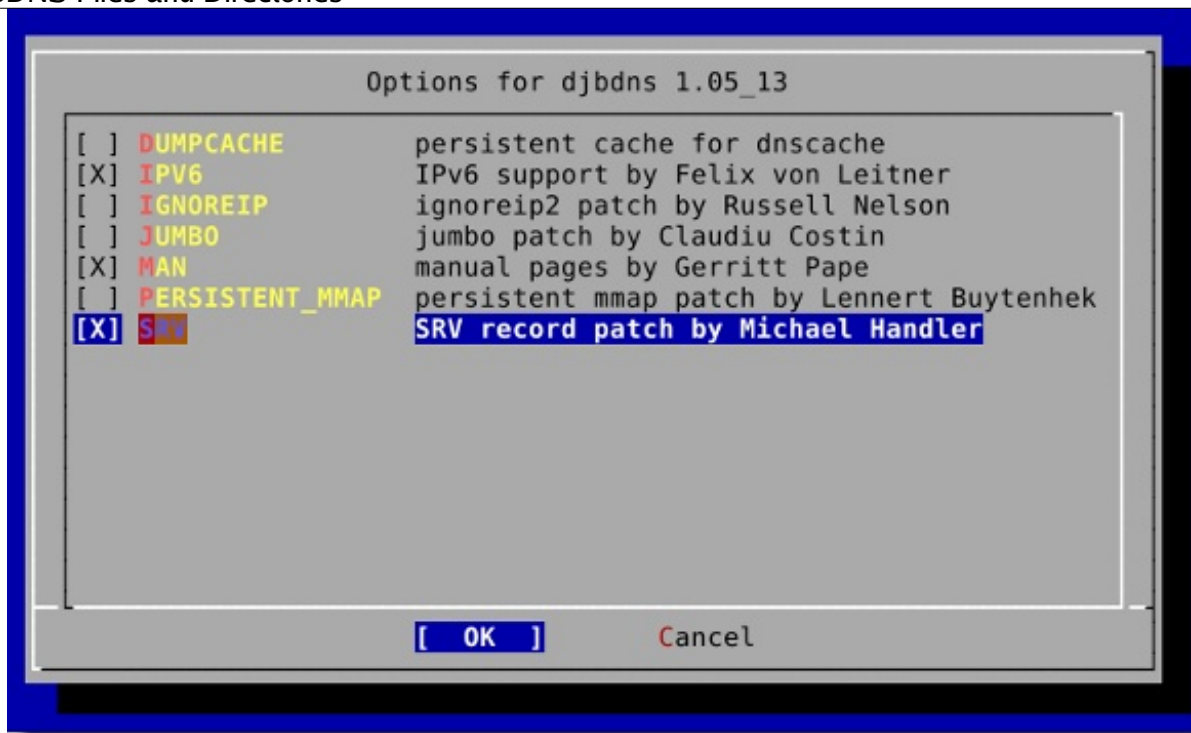
```
ns1.nixcraft.in - 202.54.1.1
ns2.nixcraft.in - 203.51.2.1
```

## Install DJBDNS on ns1.nixcraft.in

Type the following command:

```
# portsnap fetch update
# cd /usr/ports/dns/djbdns
# make install clean && rehash
```

Make sure you select IPv6 patch if you need to provide AAAA dns address for your domain.



[9]

Fig.01: FreeBSD Install djbdns Software via Ports

This port will also install the following two required software:

- **daemontools**: Service monitoring and logging utilities by djbdns (and qmail) server
- **ucspi-tcp2** : Command-line tools for building TCP client-server application

## DJBDNS Files and Directories

1. **tinydns**: a database-driven dns server - It will open UDP port 53
2. **axfrdns**: a zone-transfer server - It will open TCP port 53
3. **/var/service**: The directory containing the various service directories to be monitored. The author ( Daniel J. Bernstein) recommends /service, but the FreeBSD port has a default of /var/service instead, which is consistent with the FreeBSD filesystem hierarchy.
4. **/var/ns1.nixcraft.in** : Your zone configuration directory. It will be symlinked to /var/service
5. **rsync or scp** : Update your zone files on ns2.nixcraft.in server.
6. **tinydns-conf** : sets up a DNS publication service (master name server)
7. **axfrdns-conf** : sets up a DNS zone-transfer service
8. **/usr/local/etc/rc.d/svscan.sh** : daemontools rc.d start / stop / restart script. Use this to start or stop djbdns server.

Series Navigation

[FreeBSD Configure DJBDNS TinyDNS Server»](#) <sup>[2]</sup>

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