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How To Patch / Upgrade BIND 9.x Under FreeBSD Operating System

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Q. BIND 9 is part of core FreeBSD 7.x. How do I apply BIND 9 security patch under FreeBSD 7.x? Do I need to fetch entire source (buildworld) to patch BIND 9? How do I patch up recent BIND 9 DNS cache poisoning bug?

A. No, you don't have to fetch entire source to patch up BIND 9 if you are running latest stable (6-STABLE or 7-STABLE). The BIND DNS implementation does not randomize the UDP source port when doing remote queries, and the query id alone does not provide adequate randomization.

To fix this issue under FreeBSD 6.3, download patch:

```
# cd /tmp
# fetch -o bind.patch http://security.FreeBSD.org/patches/SA-08:06/bind63.patch
```

If you are using FreeBSD 7.0, enter:

```
# cd /tmp
# fetch -o bind.patch http://security.FreeBSD.org/patches/SA-08:06/bind7.patch
```

Type the following commands to compile and install bind 9 patch:

```
# cd /usr/src
# patch < /tmp/bind.patch
# cd /usr/src/lib/bind
# make obj && make depend && make && make install
# cd /usr/src/usr.sbin/named
# make obj && make depend && make && make install
```

Restart bind 9:

```
# /etc/rc.d/named restart
# tail -f /var/log/messages
```

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