# NAMED Configuration Help

## Special Notices

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**Note:** The information in this document has **not** been verified for AIX 4.1.

## About this Document

The purpose of this document is to help with the setting up of a Domain Name Server as a primary server and as a caching server. For more information, please refer to the "Communications Concepts and Procedures" publications.

## Procedure

1. Edit /etc/rc.tcpip, and UNCOMMENT the following line:

   ```
   #start /etc/named "$src_running"
   ```

2. Create the file /etc/named.boot, and add the appropriate entries. For example,

   ```
   domain          lab.com
   primary         lab.com                 /u/dns/named.data
   primary         0.0.127.in-addr.arpa    /u/dns/named.local
   primary         in-addr.arpa            /u/dns/named.rev
   cache           .                       /u/dns/cache.ca
   ```

3. Make sure you have an /etc/hosts file with entries for all hosts you want to be serviced by this DNS server in this domain.

4. With the following command, create the named.data file:

   ```
   /usr/lpp/tcpip/samples/hosts.awk /etc/hosts > /u/dns/named.data
   ```

5. With the following command, create the named.rev file:

   ```
   /usr/lpp/samples/addrs.awk /etc/hosts > /u/dns/named.rev
   ```

6. Create named.local file (there is no script to create it).

a. Specify the Start of Authority of the zone and the default time-to-live information. For example:

```
@  IN  SOA   venus.abc.aus.ibm.com.  gail.zeus.abc.aus.ibm.com.
(
                                1.1     ;serial
                                3600    ;refresh
                                600     ;retry
                                3600000 ;expire
                                86400)  ;minimum
```

b. Specify the Name Server (NS) record. For example:

```
IN     NS    venus.abc.aus.ibm.com.
```

c. Specify the Pointer (PTR) record.

```
1   IN   PTR  localhost
```

7. With the following command, start named with debugging (this will provide level 3 debugging):

```
startsrc -s named -a "-d 3"
```

8. Create a /etc/resolv.conf file with the following command:

```
touch /etc/resolv.conf
```

9. To watch the debugging, open another window and tail the log file:

```
tail -f /var/tmp/named.run
```

10. After testing the configuration, stop the named that was started with the debug flag ("stopsrc -s named") and restart named normally, either through smit or with the following command:

```
startsrc -s named
```

# Reader's Comments

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