Exercise 11.3: Configure and enable a stratum 3 NTP server. Connect your server to the NTP pool as a client

Solution 11.3

1. Ensure the NTP daemon is installed:

   - On **CentOS**:

     ```
     # yum install ntp
     ```

   - On **OpenSUSE**:

     ```
     # zypper install ntp
     ```

   - On **Ubuntu**:

     ```
     # apt-get install ntp
     ```

2. Configure the NTP server to query the NTP pool and allow for anonymous traffic.

   Edit the file `/etc/ntp.conf` and change the `server X.X.X.X` lines to match these:

   ```
   server 0.pool.ntp.org
   server 1.pool.ntp.org
   server 2.pool.ntp.org
   server 3.pool.ntp.org
   ```

3. Restart **ntp**:

   - On **CentOS**:

     ```
     # systemctl restart ntpd
     ```

   - On **OpenSUSE** or **Ubuntu**:

     ```
     # systemctl restart ntp
     ```

4. Query your new timeserver:

   ```
   $ ntpq -p
   ```

   NOTE: you may have to wait a few minutes for the timeservers to sync prior to getting any output.