



វិទ្យាស្ថានបច្ចេកវិទ្យាកម្ពុជា
INSTITUTE OF TECHNOLOGY OF CAMBODIA



ដេប៉ាតឺម៉ង់ទេពកោសល្យព័ត៌មានវិទ្យានិងទំនាក់ទំនង
Department of Information and ommunication
System Administration – Prof.Heng Rathpisey
Lab 02

Prepare by:
VEN Dara e20200469

```
vendara@vendara: ~  
GNU nano 4.8 /etc/ntp.conf  
# Leap seconds definition provided by tzdata  
leapfile /usr/share/zoneinfo/leap-seconds.list  
  
# Enable this if you want statistics to be logged.  
#statsdir /var/log/ntpstats/  
  
statistics loopstats peerstats clockstats  
filegen loopstats file loopstats type day enable  
filegen peerstats file peerstats type day enable  
filegen clockstats file clockstats type day enable  
  
# Specify one or more NTP servers.  
  
# Use servers from the NTP Pool Project. Approved by Ubuntu Technical Board  
# on 2011-02-08 (LP: #104525). See http://www.pool.ntp.org/join.html for  
# more information.  
server 0.asia.pool.ntp.org  
server 1.asia.pool.ntp.org  
server 2.asia.pool.ntp.org  
server 3.asia.pool.ntp.org  
  
# Use Ubuntu's ntp server as a fallback.  
pool ntp.ubuntu.com  
  
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos M-U Undo  
^X Exit ^R Read File ^_ Replace ^U Paste Text ^T To Spell ^_ Go To Line M-E Redo
```

```
vendara@vendara:~$ sudo systemctl status ntp  
● ntp.service - Network Time Service  
   Loaded: loaded (/lib/systemd/system/ntp.service; enabled; vendor preset: enabled)  
   Active: active (running) since Thu 2024-06-06 07:50:39 UTC; 43s ago  
     Docs: man:ntpd(8)  
  Process: 6223 ExecStart=/usr/lib/ntp/ntp-systemd-wrapper (code=exited, status=0/SUCCESS)  
    Main PID: 6251 (ntpd)  
      Tasks: 2 (limit: 4556)  
     Memory: 1.7M  
    CGroup: /system.slice/ntp.service  
            └─6251 /usr/sbin/ntpd -p /var/run/ntpd.pid -g -u 114:118  
  
Jun 06 07:50:39 vendara ntpd[6251]: Listen normally on 6 ens33 [fe80::20c:29ff:fe2b:e6ac%2]:123  
Jun 06 07:50:39 vendara ntpd[6251]: Listen normally on 7 ens37 [fe80::20c:29ff:fe2b:e6b6%3]:123  
Jun 06 07:50:39 vendara ntpd[6251]: Listening on routing socket on fd #24 for interface updates  
Jun 06 07:50:39 vendara ntpd[6251]: kernel reports TIME_ERROR: 0x2041: Clock Unsynchronized  
Jun 06 07:50:39 vendara ntpd[6251]: kernel reports TIME_ERROR: 0x2041: Clock Unsynchronized  
Jun 06 07:50:40 vendara ntpd[6251]: Soliciting pool server 185.125.190.58  
Jun 06 07:50:41 vendara ntpd[6251]: Soliciting pool server 185.125.190.57  
Jun 06 07:50:42 vendara ntpd[6251]: Soliciting pool server 91.189.91.157  
Jun 06 07:50:43 vendara ntpd[6251]: Soliciting pool server 185.125.190.56  
Jun 06 07:50:44 vendara ntpd[6251]: Soliciting pool server 2620:2d:4000:1::3f  
vendara@vendara:~$
```

```
vendara@vendara: ~  
GNU nano 4.8 /etc/default/isc-dhcp-s  
# Defaults for isc-dhcp-server (sourced by /etc/init.d/isc-dhcp-server)  
  
# Path to dhcpd's config file (default: /etc/dhcp/dhcpd.conf).  
#DHCPDV4_CONF=/etc/dhcp/dhcpd.conf  
#DHCPDV6_CONF=/etc/dhcp/dhcpd6.conf  
  
# Path to dhcpd's PID file (default: /var/run/dhcpd.pid).  
#DHCPDV4_PID=/var/run/dhcpd.pid  
#DHCPDV6_PID=/var/run/dhcpd6.pid  
  
# Additional options to start dhcpd with.  
# Don't use options -cf or -pf here; use DHCPD_CONF/ DHCPD_PID instead  
#OPTIONS=""  
  
# On what interfaces should the DHCP server (dhcpd) serve DHCP requests?  
# Separate multiple interfaces with spaces, e.g. "eth0 eth1".  
INTERFACESv4="ens37"  
INTERFACESv6=""
```

```

vendara@vendara:~$ sudo systemctl status isc-dhcp-server
● isc-dhcp-server.service - ISC DHCP IPv4 server
   Loaded: loaded (/lib/systemd/system/isc-dhcp-server.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2024-06-06 07:58:22 UTC; 21s ago
     Docs: man:dhcpd(8)
    Main PID: 7108 (dhcpd)
      Tasks: 4 (limit: 4556)
     Memory: 4.8M
    CGroup: /system.slice/isc-dhcp-server.service
            └─7108 dhcpd -user dhcpd -group dhcpd -f -4 -pf /run/dhcp-server/dhcpd.pid -cf /etc/dhcp/dhcpd.conf ens37

Jun 06 07:58:22 vendara dhcpd[7108]: PID file: /run/dhcp-server/dhcpd.pid
Jun 06 07:58:22 vendara dhcpd[7108]: Wrote 0 leases to leases file.
Jun 06 07:58:22 vendara sh[7108]: Wrote 0 leases to leases file.
Jun 06 07:58:22 vendara dhcpd[7108]: Listening on LPF/ens37/00:0c:29:2b:e6:b6/192.168.11.0/24
Jun 06 07:58:22 vendara sh[7108]: Listening on LPF/ens37/00:0c:29:2b:e6:b6/192.168.11.0/24
Jun 06 07:58:22 vendara sh[7108]: Sending on LPF/ens37/00:0c:29:2b:e6:b6/192.168.11.0/24
Jun 06 07:58:22 vendara sh[7108]: Sending on Socket/fallback/fallback-net
Jun 06 07:58:22 vendara dhcpd[7108]: Sending on LPF/ens37/00:0c:29:2b:e6:b6/192.168.11.0/24
Jun 06 07:58:22 vendara dhcpd[7108]: Sending on Socket/fallback/fallback-net
Jun 06 07:58:22 vendara dhcpd[7108]: Server starting service.
vendara@vendara:~$

```

