

Network Time Protocol (NTP)

NTP Infrastructure

History: Over the years it has been evolving, changing. We used to use outside NTP servers, from the WWW, then one, and later a second member provided NTP. One via a Stratum-1 server (Antenna getting PPS (Pulse-Per-Second) via two u-blox receivers) the other one as a stratum-2 (chrony). Those 2 members moved on and another member started a new project at his "home lab" to provide NTP stratum-1. We have now setup some NTP servers using chrony and we have the member's project online (GPS PPS NTP/chrony server with a NEO 7M GPS unit on a raspberry Pi.)

Use **10.10.10.123** as your NTP server address.

What is NTP and how did it started?

The Network Time Protocol is a "network" protocol for devices to synch their clocks. See [Wiki](#) How it all started, how does it works, with Dr Julian Onions (University of Nottingham, UK) implementing this after meeting the godfather of Internet time, Dave Mills! [Video interview](#)

IP

10.10.10.123 - NTP for the mesh (**Use this one**)

NTP stats and status

Here are some stats on the NTP servers:

[illegible]

There are many NTP servers on the Net, google offers it, some hardware maker such as Ubiquiti, etc..

A list of NTP servers