

# FAQ - Auto provisioning: DHCP option 42 NTP server

Valid for: N610 N670 N870 N870E Embedded Integrator Virtual Integrator

Valid for N610 / N670 / N870 / N870E.

NTP (Time) servers can be provided via:

1. DHCP option 42
2. Time server setting, can be changed via:
  - a. Web-interface
  - b. Auto-provisioning

Default setting is: [0.europe.pool.ntp.org](http://0.europe.pool.ntp.org), [1.europe.pool.ntp.org](http://1.europe.pool.ntp.org), [2.europe.pool.ntp.org](http://2.europe.pool.ntp.org), [3.europe.pool.ntp.org](http://3.europe.pool.ntp.org)

The DECT device will query (using the standard settings) the NTP servers in the following order:

1. [3.europe.pool.ntp.org](http://3.europe.pool.ntp.org)
2. [2.europe.pool.ntp.org](http://2.europe.pool.ntp.org)
3. [1.europe.pool.ntp.org](http://1.europe.pool.ntp.org)
4. [0.europe.pool.ntp.org](http://0.europe.pool.ntp.org)
5. Via DHCP option 42 provided NTP server

The last answered NTP query is used.

From software version 2.44.0, via auto-provisioning, it is possible to enable/disable the NTP server via DHCP option 42.

## Auto-provisioning example

```
<?xml version="1.0" encoding="UTF-8"?>
<settings version="1.0" productID="e2">

  <nvm>

    <!-- Example how to provisioning NTP server settings -->
    <param name="DmGlobal.0.NtpServer" value="0.europe.pool.ntp.org,1.europe.pool.ntp.org,2.europe.pool.ntp.org,3.europe.pool.ntp.org"/>

  </nvm>

  <oper name="set_uci">

    <!-- Disable the option to configure the NTP server via DHCP option 42
    0 = DHCP option 42 is not used
    1 = DHCP option 42 is used -->
    <param name="system.ntp.use_dhcp" value="0" />

  </oper>

</settings>
```