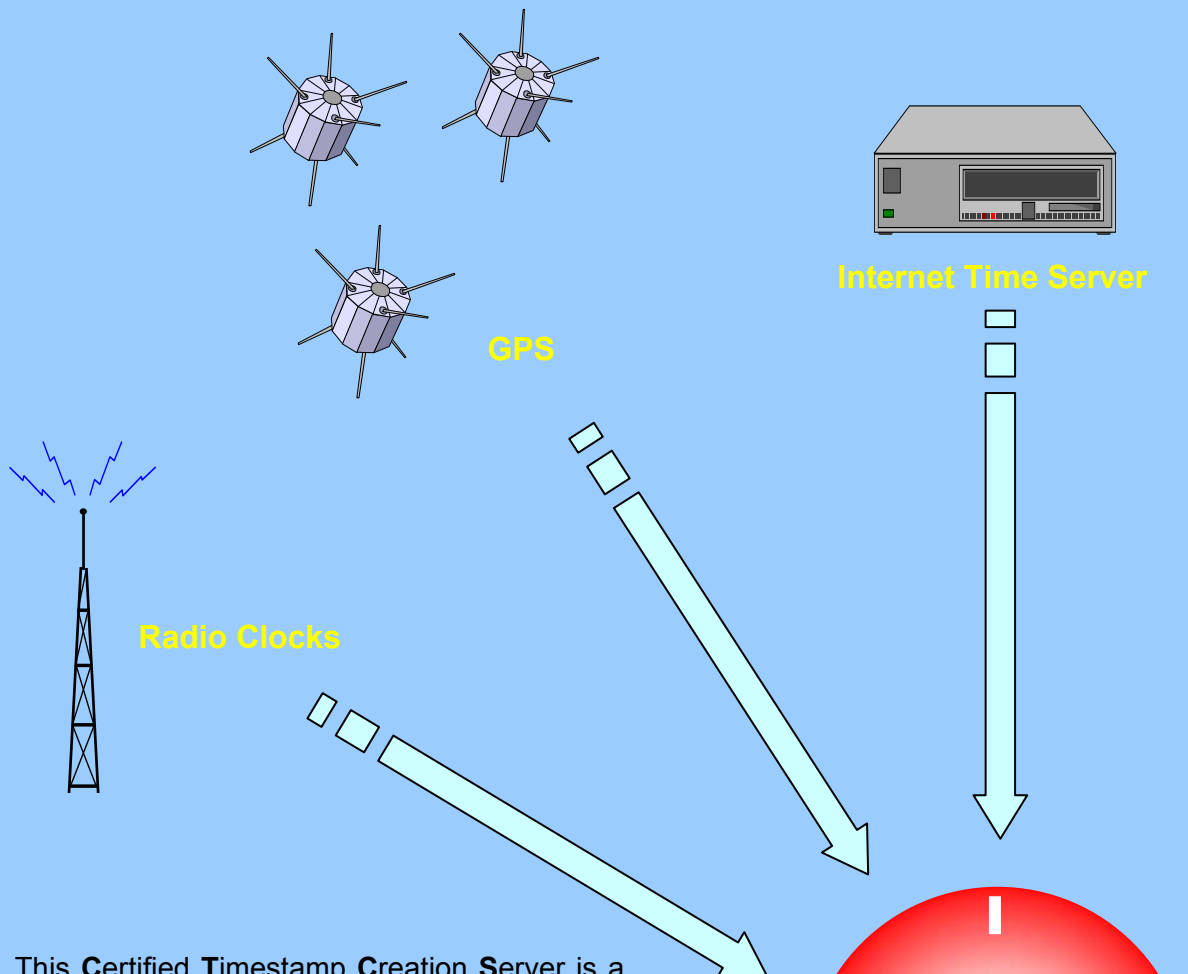


CodeMeter™

Certified Timestamp Creation Server

Multiple high precision time sources for non-manipulated timestamps



This **Certified Timestamp Creation Server** is a new concept of timeserver using 3 different and independent high precision time sources. It was developed to guarantee the distribution of non-manipulated timestamps. It can also be used to synchronize PCs and servers in an Ethernet network.



**Certified
Timestamp
Creation
Server**



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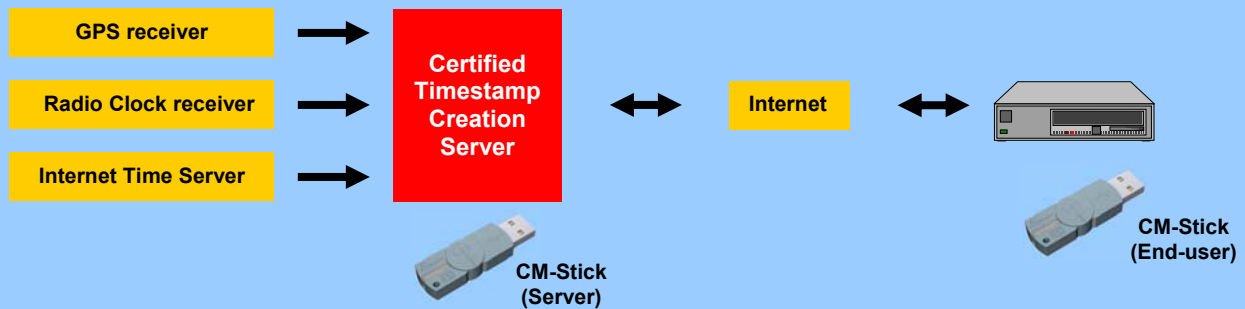
mailto: info@neol.fr
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CodeMeter™

Certified Timestamp Creation Server

This Certified Timestamp Creation Server was especially developed to provide (over the Internet) encrypted timestamps for the CM-Stick of CodeMeter. The generated Time stamps are an important part of CodeMeter to limit the use of programs until a certain time.

This Time Server can also be used for other Intranet or Internet applications, which require a precise and reliable NTP time source (power companies, computer networks, communications systems, banks, radio and television stations for example).



Timestamp Creation:

The highest security is guaranteed by using at least two different external time sources that provide the same time tag.

Timestamp Distribution:

The highest security is guaranteed by real encryption of the time stamps.

Timestamp Availability:

It's guaranteed by using three external time sources although the Time Server only needs two time sources to create time stamps.

Time source 1	Time source 2	Time source 3
GPS Time System <ul style="list-style-type: none"> time tag transmission: 1/sec relatively immune to interference 	Radio Clocks <ul style="list-style-type: none"> no external antenna time tag transmission: 1/min low cost receivers 	Internet Time servers <ul style="list-style-type: none"> use only stratum 1 server easy to install use standard NTP protocol

The Time Receivers



Radio clocks

- DCF77 signal @77.5 kHz, Germany
- or TDF signal @162 kHz, France
- Integrated high precision CMOS clock
- V24/RS232 connection
- Office or waterproof casing (IP67)



GPS Time System

- GPS receiver in a waterproof housing
- Tracking of 12 satellites
- Stratum 1 time source
- V24/RS232 connection



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