Energy Web Server

Addendum (Fw version 3.14)
to User Manual (Fw version 3.11)

User Manual

Supported Devices

Added the support for the following list of devices (data monitoring and energy storing):

- Conto D4-Sh Model CE4ST14A4

Added the support for the liter unit of measure for the Nemo SX counters.

Nemo SX

Date and time synchronization

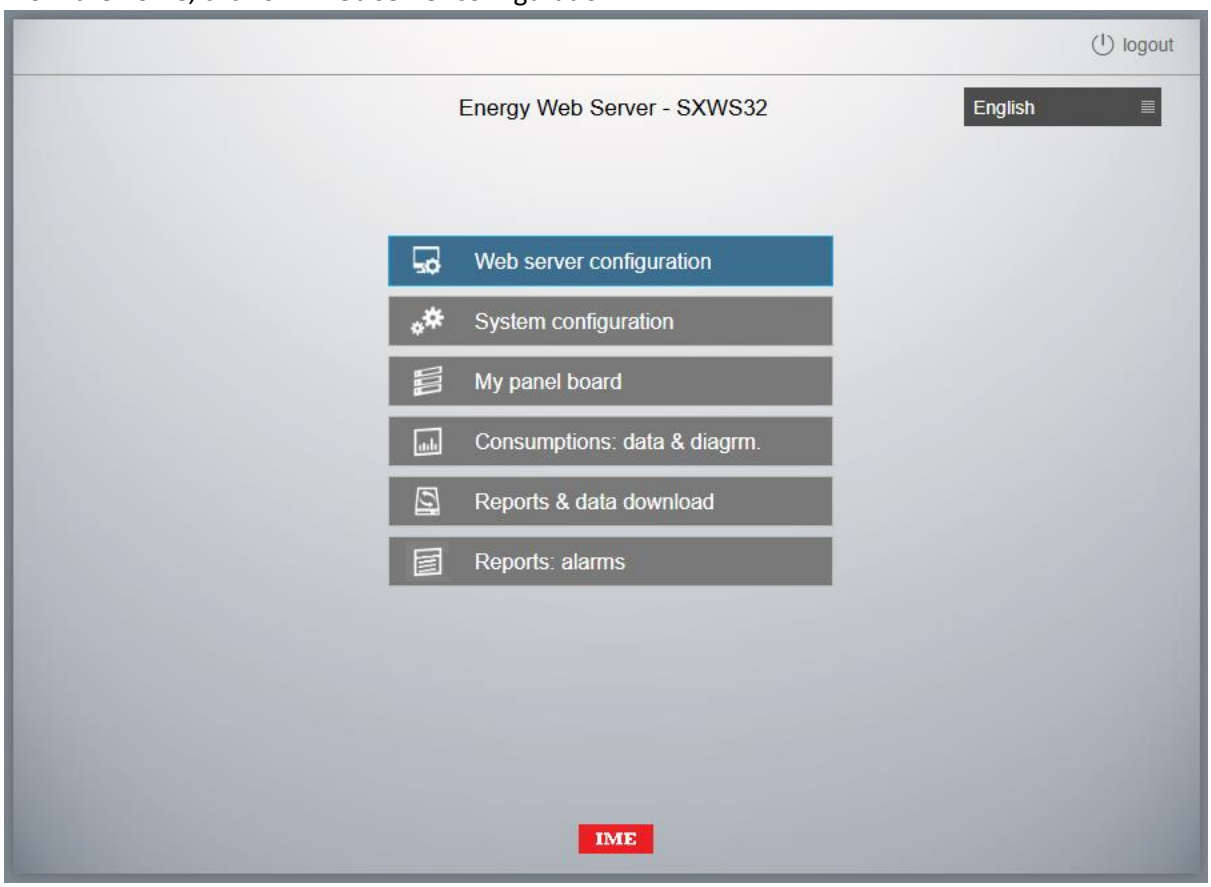
Energy Web Server will check, each hour, the real-time clock embedded in the Nemo SX / RS485 interface.

If the difference in time between the real-time clock of the Energy Web Server and the one on the interface is greater than ten minutes, the Energy Web Server will replace the date and time of the latter one with its own.

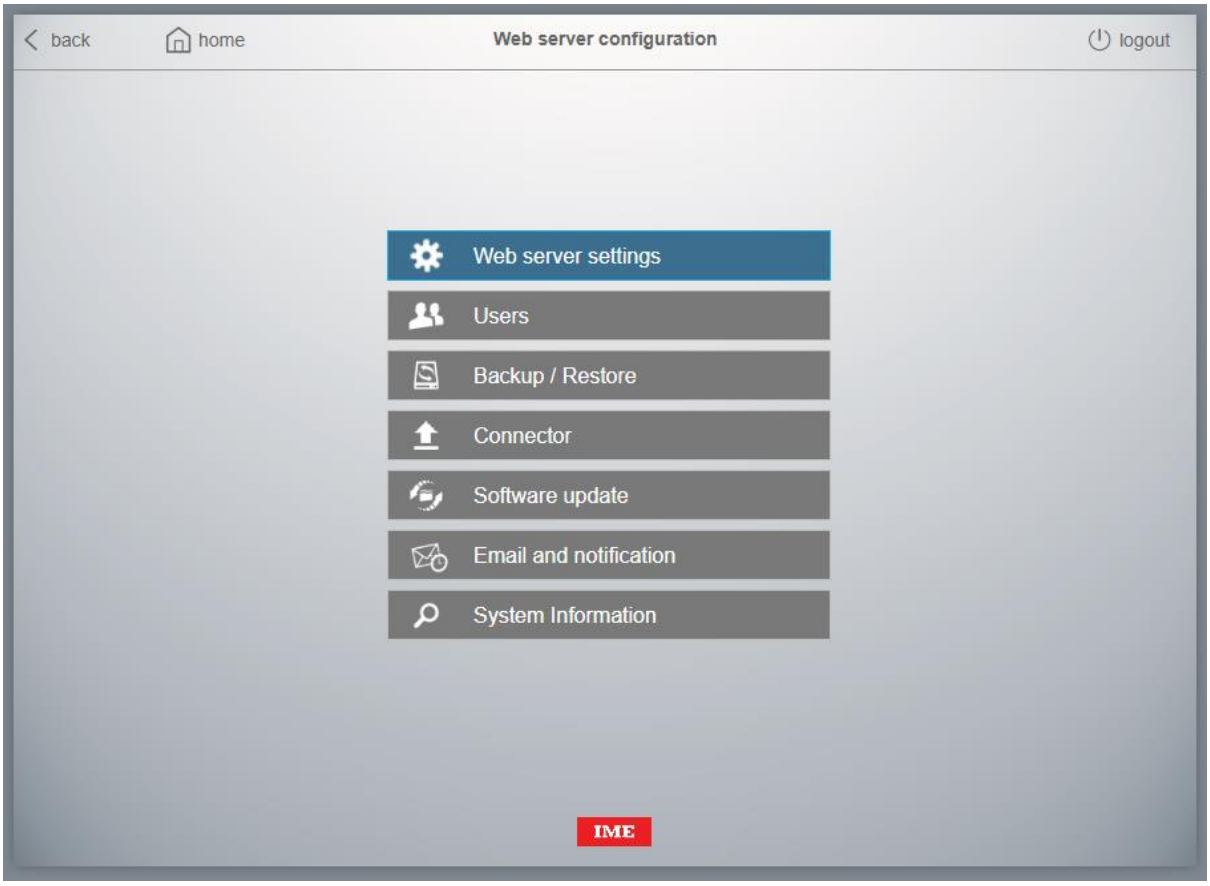
This feature can work together with the NTP feature of the Energy Web Server, guaranteeing that the system is always on the right time even after long power interruptions or faults of the real-time clocks.

To enable the date and time synchronization, the following steps are required:

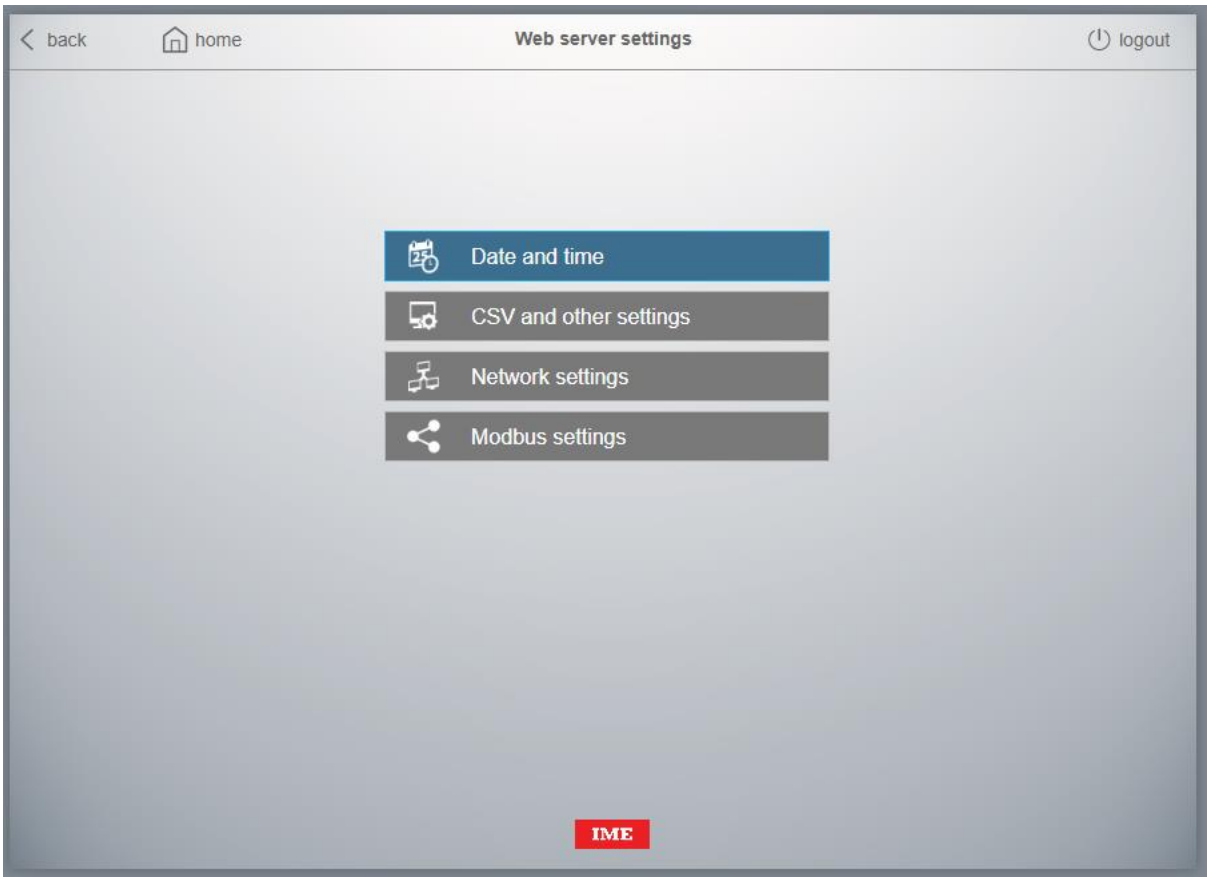
1) From the home, click on “Web server configuration”:



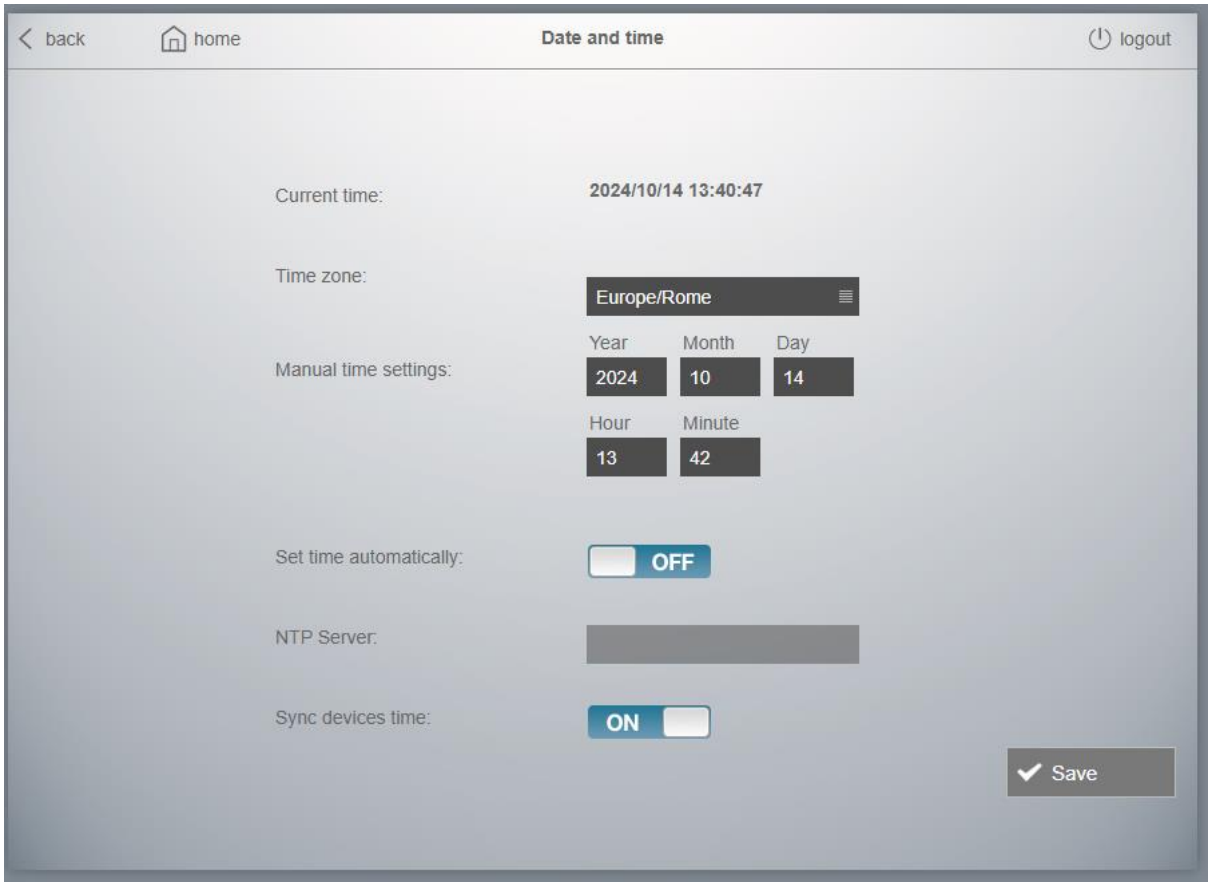
2) Then click on “Web server settings”:



3) Then click on “Date and time”:



4) Then enable the “Sync device time” feature and press “Save”:



Modbus Communication

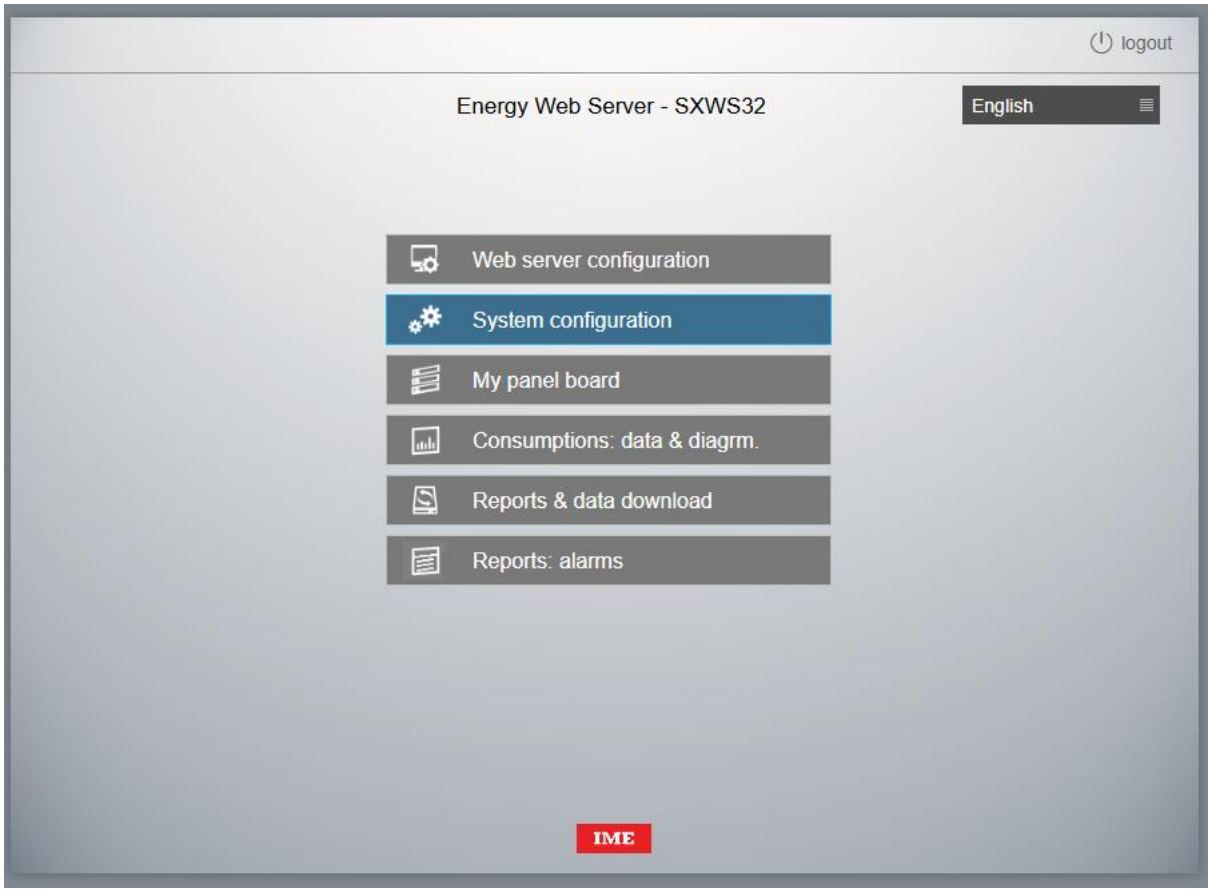
Status Poll Time

Added the possibility to fine tune the frequence of the polling procedure for the status of the breakers (open/tripped/closed) and changed its default value from 3 to 60 seconds. The user can arbitrarily set it to 3, 5, 10, 15, 30, 45, 60, 90, 120 seconds.

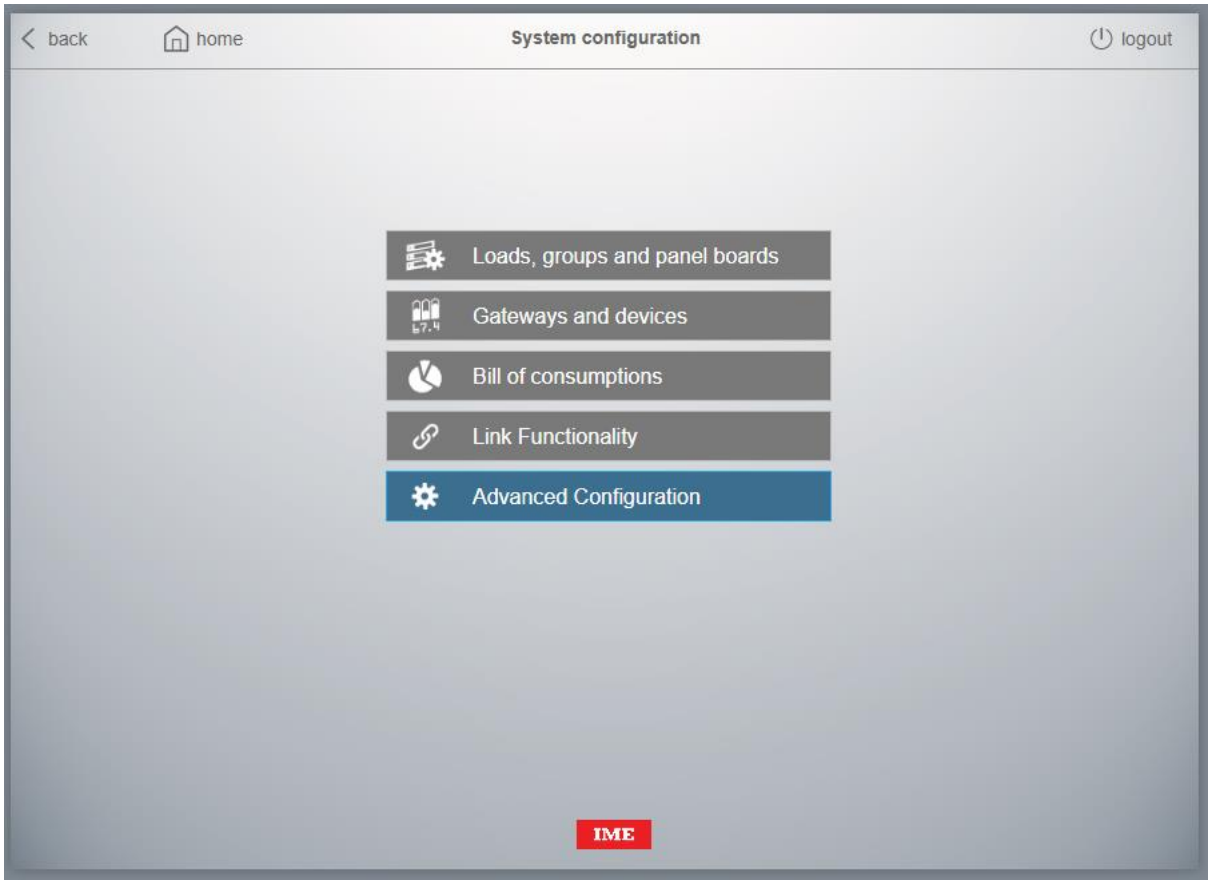
We recommend a default value of 60 seconds.

This parameter can be set by following these steps:

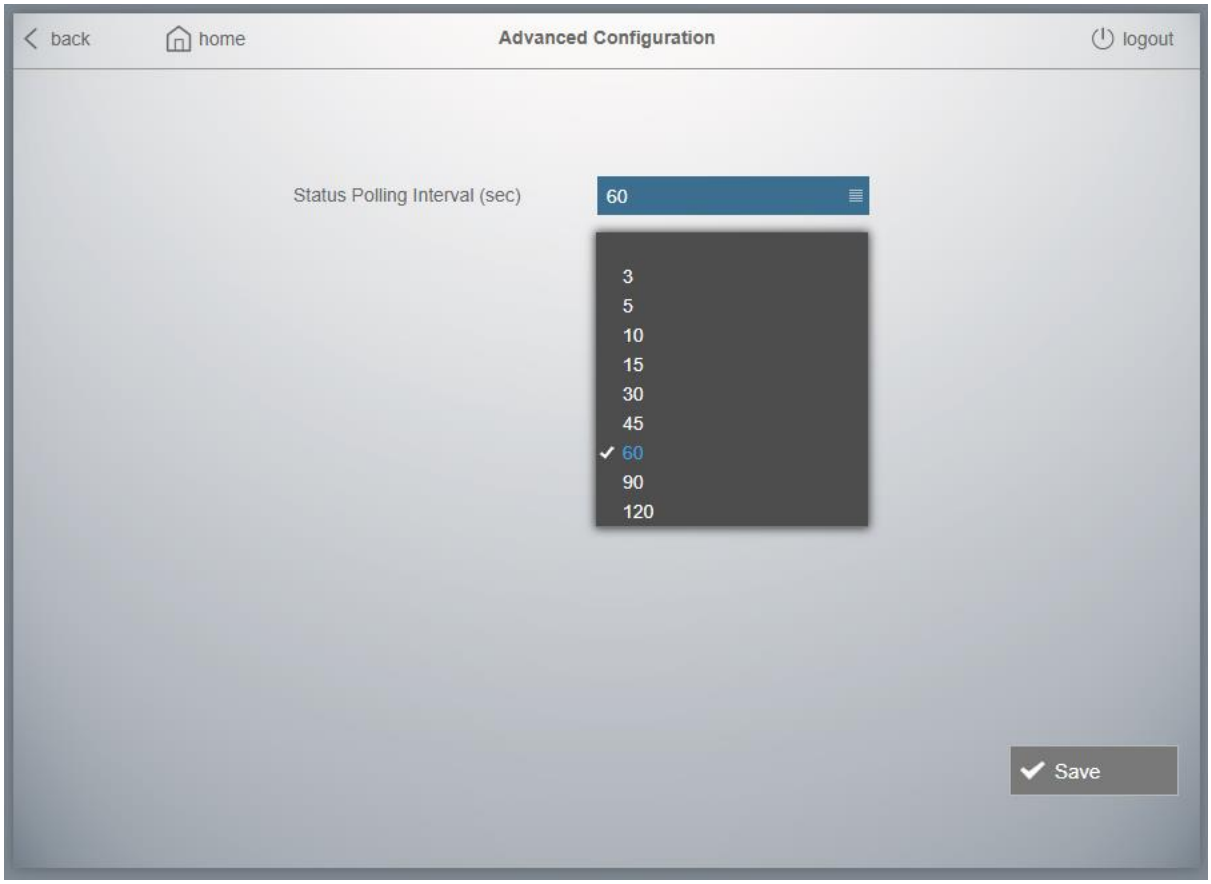
1. From the home, click on “System configuration”:



2. Then click on “Advanced Configuration”:

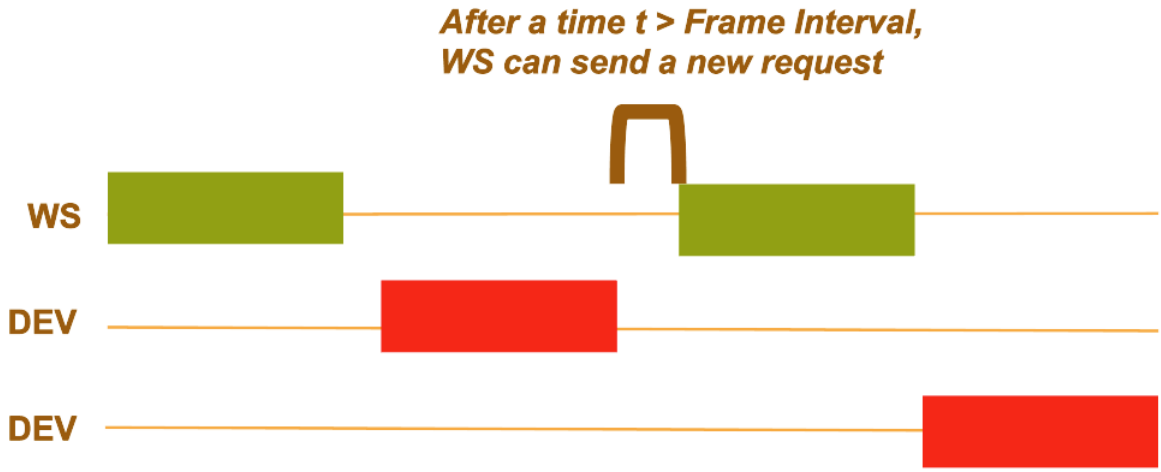


3. The value of the parameter will be shown. After any modification, press “Save”:



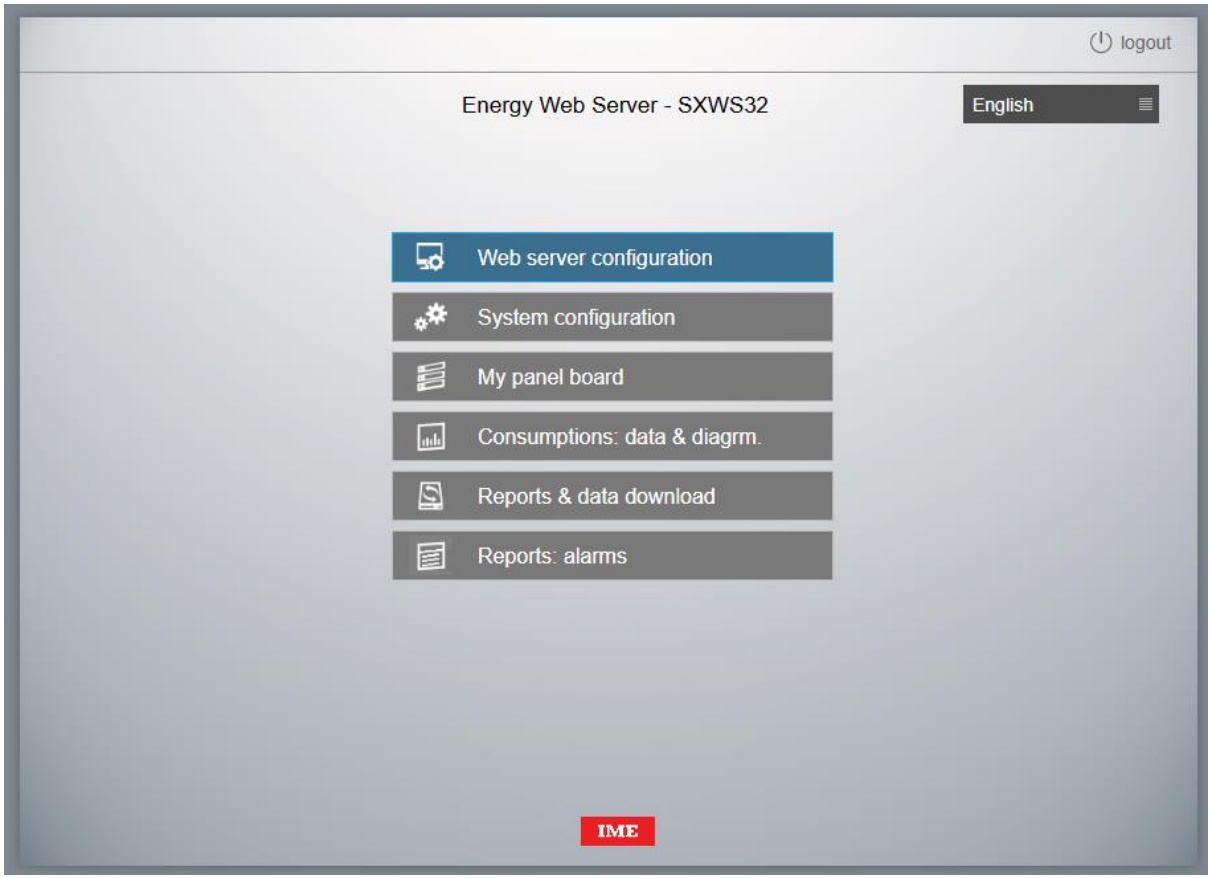
Frame Interval

Added the possibility to fine tune the quite time between a Modbus reply and the next Modbus request (default 50ms).

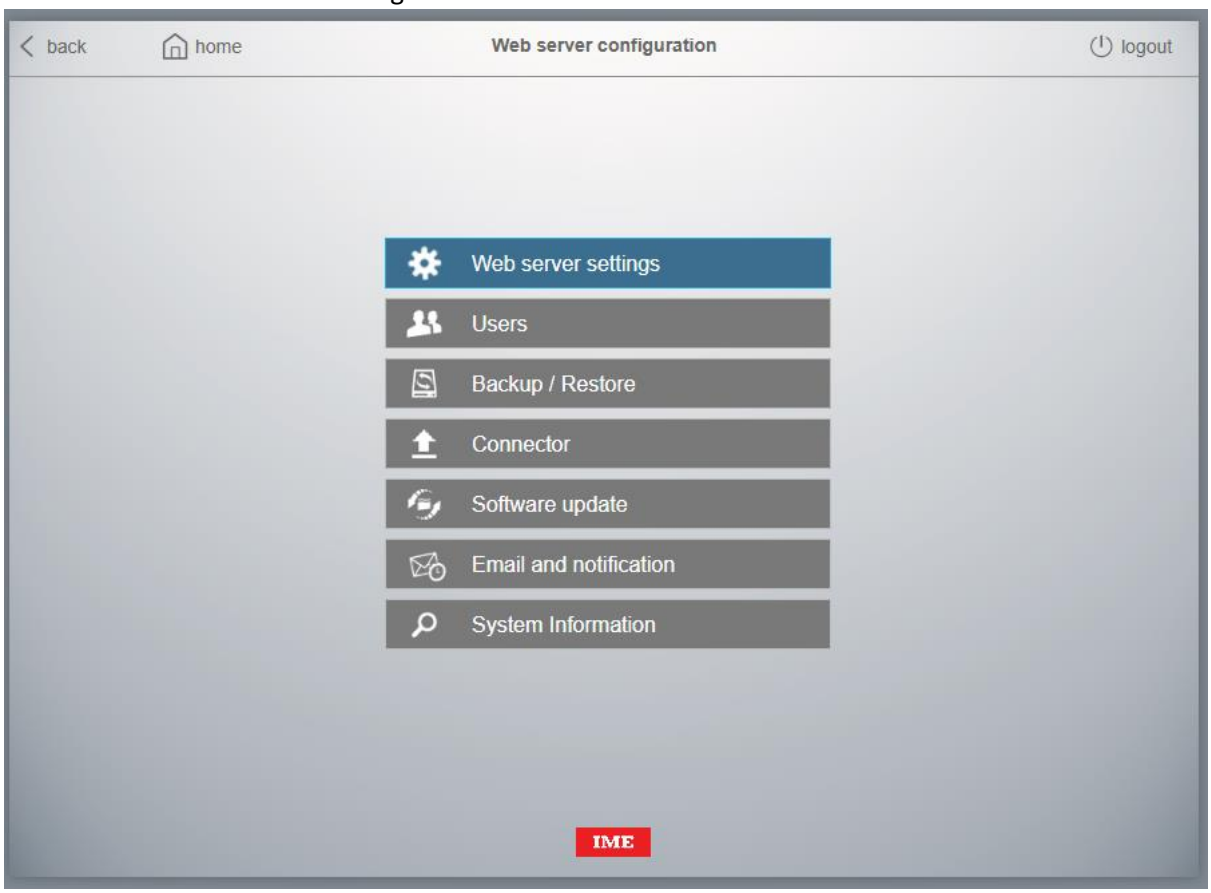


This parameter can be set by following these steps:

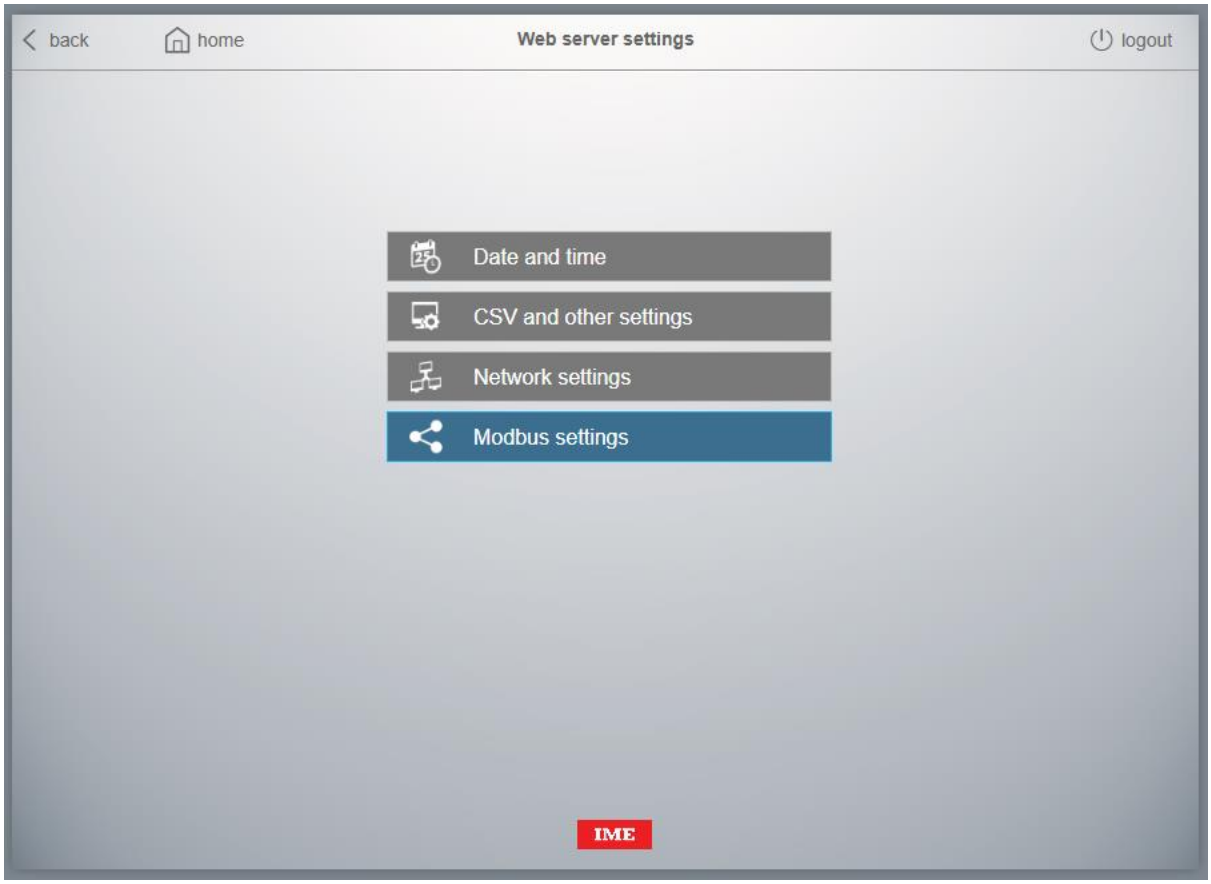
1. From the home, click on “Web server configuration”:



2. Then click on “Web server settings”:



3. Then click on “Modbus settings”:



4. The parameter can be set in the bottom part of the page. After any modification, press “Save”:

It has been added the possibility to automatically synchronize this frame interval value on each our Modbus/TCP supported gateways configured in the Energy Web Server. It is enabled by default, and it is recommended to turn off this feature when using third part gateways.

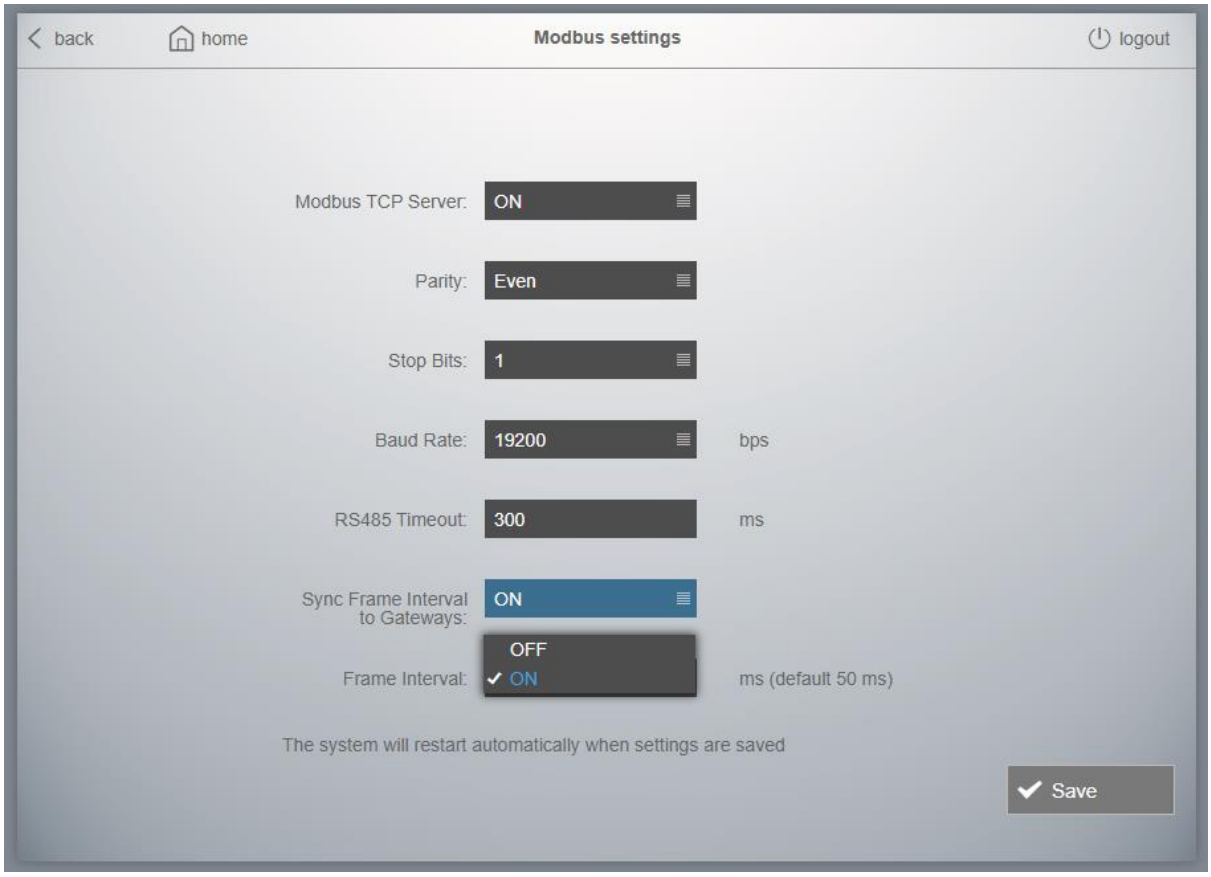
This improvement allows to keep the frame interval parameter set on our Modbus/TCP supported gateways (included the local one on Energy Web Server 10/32 points of measure versions) consistent with:

- what the user sets for this parameter on the master Energy Web Server
- which devices are present under that specific gateway.

This allows a better management of devices that require a carefully set of this parameter, improving the reliability of their communications with the Energy Web Server without asking the user for an extra effort.

The value for the frame interval on a specific gateway, if this feature is enabled, will be the maximum between 50ms and the value set by the user in the “Modbus Settings” page.

To enable this feature, in the “Modbus Settings” page, select “ON” for “Sync Frame Interval to Gateways” and press “Save”:


back
home
Modbus settings
logout
Modbus TCP Server:
ON
Parity:
Even
Stop Bits:
1
Baud Rate:
19200
bps
RS485 Timeout:
300
ms
Sync Frame Interval to Gateways:
ON
OFF
ON
Frame Interval:
ms (default 50 ms)
The system will restart automatically when settings are saved
Save