

7.- Anexos



Figura 98. Rack principal de la red y de planta baja de la institución



Figura 99. Rack de segunda planta y switch de primera planta

Proceso de Instalación

Importar el Servicio del archivo

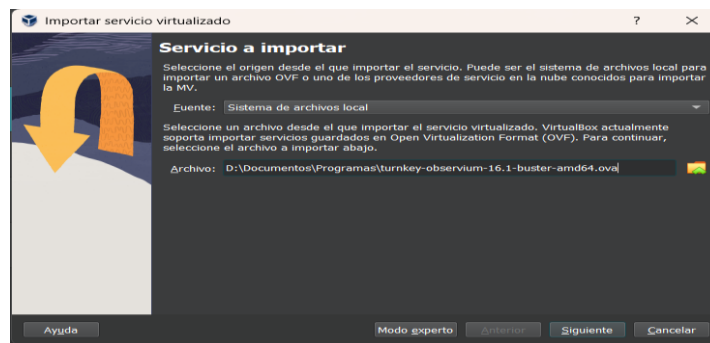


Figura 100. Importación de servidor en VirtualBox

Instalación Finalizada Muestra la Dirección IP que Alojara al Servidor

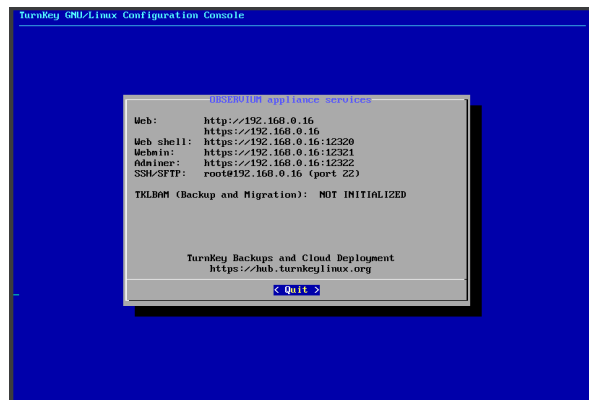


Figura 101. IP del Servidor Observium

Sitio Web de Servidor

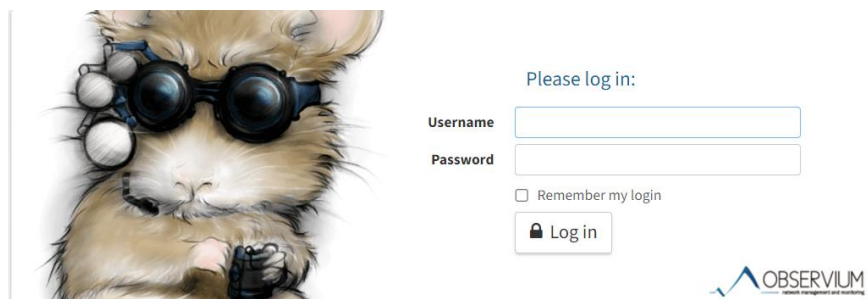


Figura 102. Sitio Web de Servidor

Instalación de Servicio de Protocolo SNMP en PC Windows y Linux

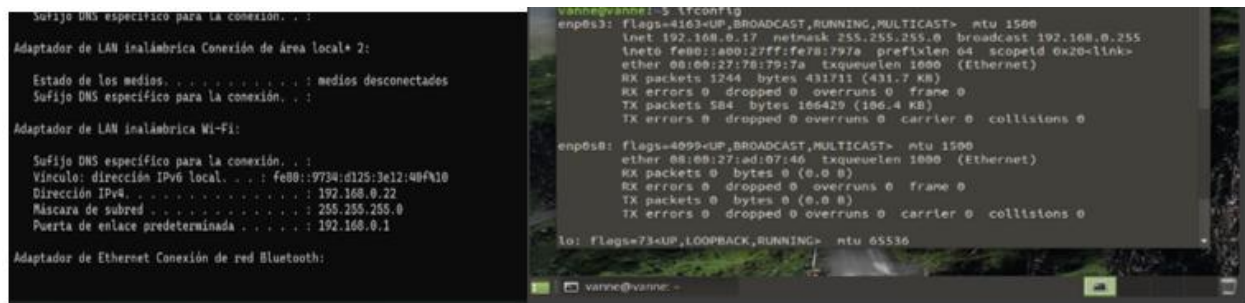


Figura 103. Instalación de Protocolo SNMP en equipos

Interfaz principal del Servidor

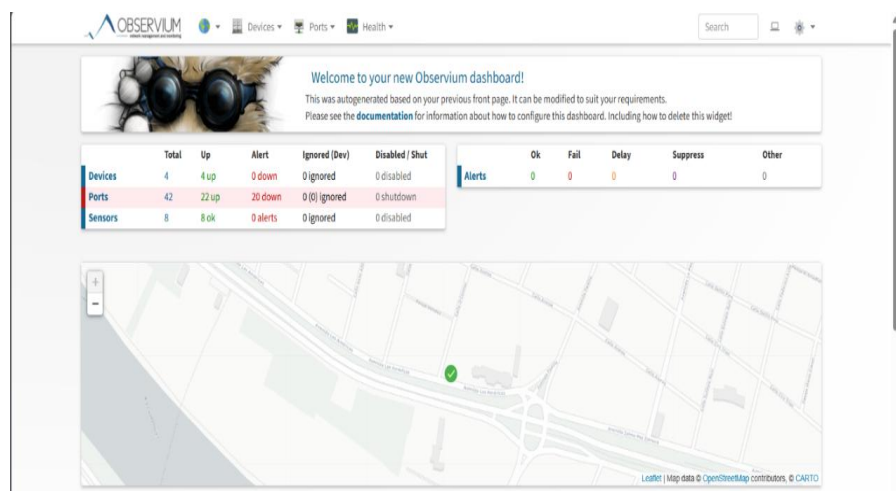


Figura 104. Interfaz principal del servidor

Agregación de IP de los equipos a adicionar al servidor

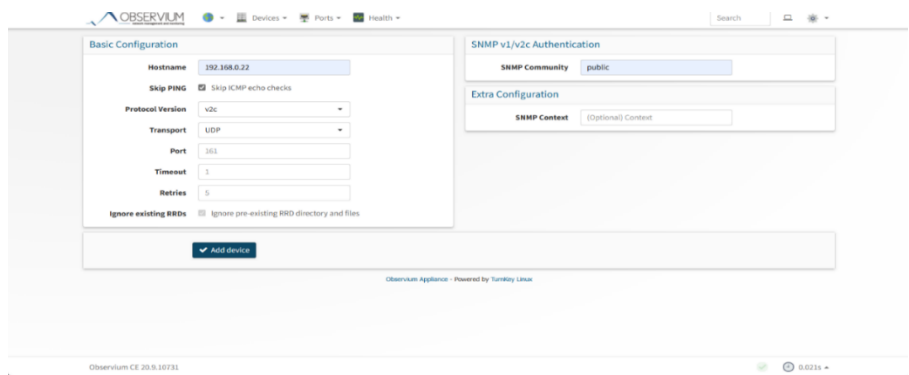


Figura 105. Agregación de IP's en servidor

Equipos en el Servidor Observium

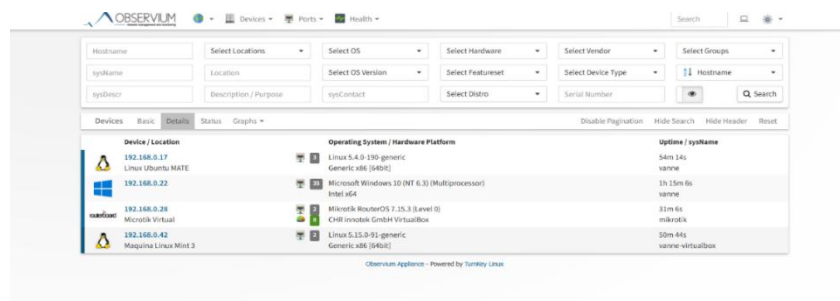


Figura 106. Equipos añadidos al servidor

Recopilación de información del Servidor Observium de cada equipo

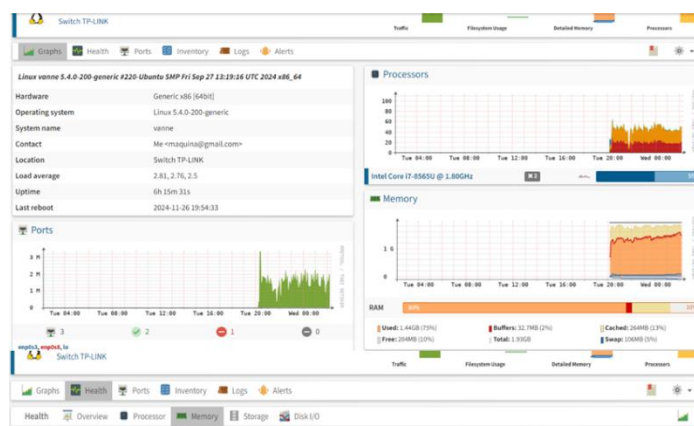


Figura 107. Información general del equipo

Funciones Principales del servidor

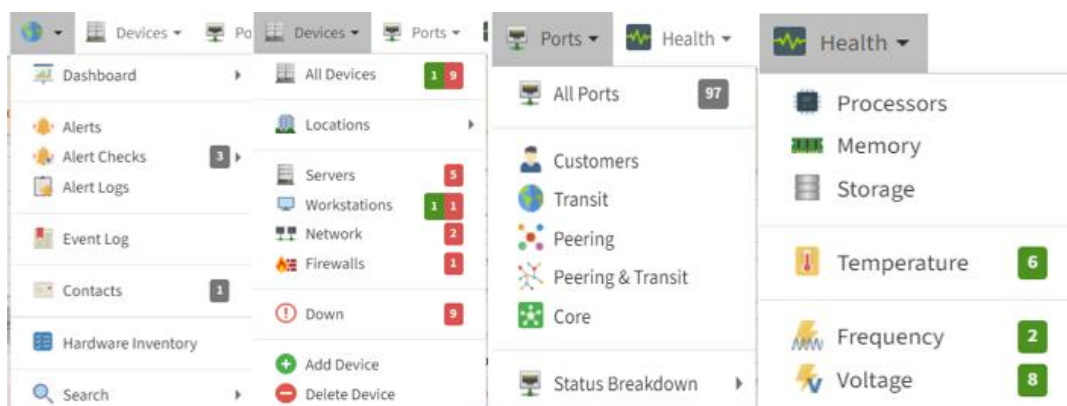


Figura 108. Funciones principales del servidor

Funciones de Configuración

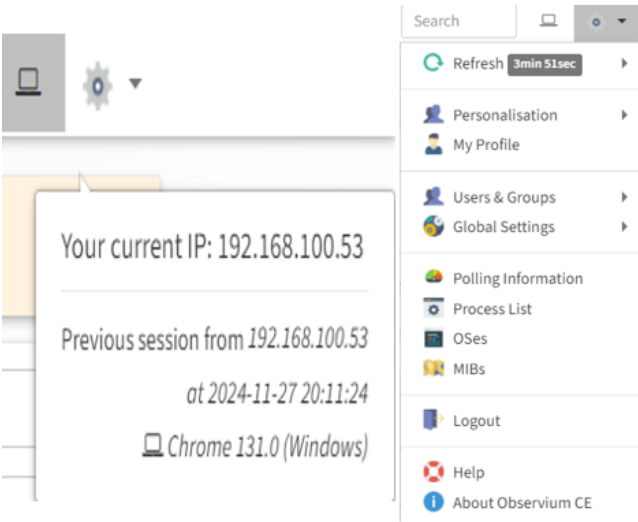


Figura 109. Funciones de configuración

Funciones de vista para los dispositivos

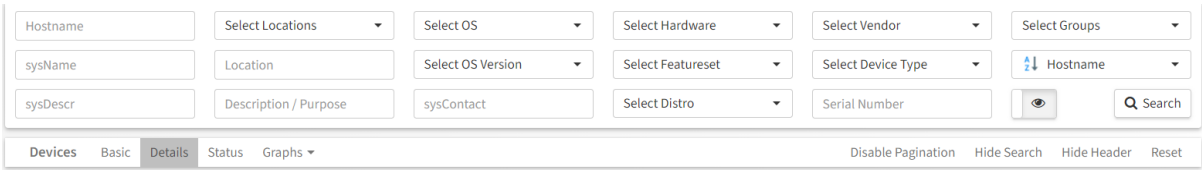


Figura 110. Funciones de vista y selección

Adición y Eliminación de Dispositivos

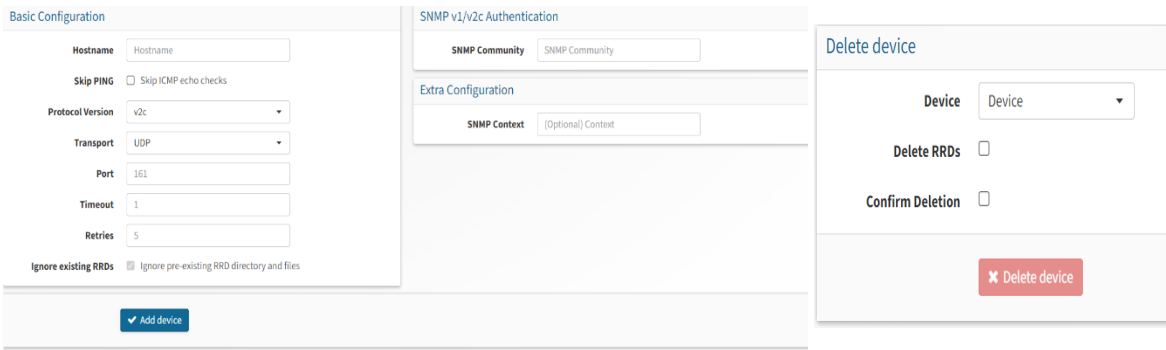


Figura 111. Adicción y eliminación de dispositivos

Puertos

Device

Device Location

Port Mac Address

Port State

Port Media

Select Groups

Device Hostname

Port Name

Port Description (alias)

Port Speed

Port Type

🔍

Dev

🔍

Search

Ports

Basic

Graphs

Aggregate Graphs

Hide Search

Hide Header

Reset

Device	Port	Traffic	Traffic %	Packets	Speed	MAC Address
10.110.18.27	Loopback_0 Loopback Pseudo-Interface 1	0Mbps	0%	0pps	1.070Mbps	Loopback
10.110.18.27	Ethernet_32771 Conexi.n de .rea local* 8	0Mbps	0%	0pps	1500	Ethernet
10.110.18.27	Tunnel_32769 Conexi.n de .rea local* 4	0Mbps	0%	0pps	1500	Tunnel
10.110.18.27	Tunnel_32768 Conexi.n de .rea local* 3	0Mbps	0%	0pps	1480	Tunnel
10.110.18.27	Tunnel_32771 Conexi.n de .rea local* 6	0Mbps	0%	0pps	1491	Tunnel
10.110.18.27	wireless_32768 Wi-Fi	54.4kMbps	0%	4kpps	70.5Mbps	IEEE802.11 Radio
10.110.18.27	Tunnel_32770 Conexi.n de .rea local* 5	4.01kMbps	0%	0pps	1500	802.11 b/g/n
10.110.18.27	wireless_32770	0Mbps	0%	0pps	1460	Tunnel
10.110.18.27	wireless_32770	0Mbps	0%	0pps	1460	IEEE802.11 Radio

Figura 112. Información de puertos de dispositivo

Procesador

IP Address	Device Name	CPU Model	CPU Speed	OS Version
10.110.18.33	Intel Core i7-8565U @ 1.80GHz	95%	95%	
10.110.18.34	Average	2%	98%	
10.110.18.34	Intel Core i7-8565U @ 1.80GHz	2%	99%	
10.110.18.34	Intel Core i7-8565U @ 1.80GHz	95%	99%	
192.168.0.37	Average	64%	51%	
192.168.0.37	Intel Core i7-8565U @ 1.80GHz	10%	50%	
192.168.0.37	Intel Core i7-8565U @ 1.80GHz	7%	51%	
192.168.0.42	Average	43%	5%	
192.168.0.42	Intel Core i7-8565U @ 1.80GHz	41%	57%	
192.168.0.42	Intel Core i7-8565U @ 1.80GHz	46%	54%	
192.168.100.53	Average	2%	98%	
192.168.100.53	Unknown Processor Type	2%	100%	
192.168.100.53	Unknown Processor Type	2%	100%	
192.168.100.53	Unknown Processor Type	43%	87%	
192.168.100.53	Unknown Processor Type	10%	100%	
192.168.100.53	Unknown Processor Type	10%	100%	
192.168.100.53	Unknown Processor Type	13%	99%	
192.168.100.53	Unknown Processor Type	11%	99%	
192.168.100.53	Unknown Processor Type	0%	100%	
192.168.100.57	Average	41%	59%	
192.168.100.57	Intel Core i7-8565U @ 1.80GHz	42%		
192.168.100.57	Intel Core i7-8565U @ 1.80GHz	41%		

Figura 113. Información de procesador de dispositivo

Memoria

Device	Memory	Usage	Used
192.168.0.42	Available memory		0%
192.168.106.58	Available memory		0%
10.110.18.34	Available memory		0%
192.168.106.59	main memory		21%
10.110.18.30	main memory		21%
192.168.0.37	Memory buffers		1%
192.168.0.42	Memory buffers		1%
192.168.106.58	Memory buffers		3%
10.110.18.34	Memory buffers		4%
10.110.18.33	Memory buffers		2%
192.168.106.57	Memory buffers		1%
192.168.0.37	Physical Memory		74%
192.168.0.42	Physical Memory		67%
192.168.106.53	Physical Memory		45%
192.168.106.58	Physical Memory		49%
10.110.18.34	Physical Memory		49%
10.110.18.27	Physical Memory		78%
10.110.18.33	Physical Memory		58%

Figura 114. Información de memoria de dispositivo

Almacenamiento

Device	Mountpoint	Size	Used	Free	Usage %
192.168.0.37	/	14.4GB	9.29GB	5.14GB	64%
192.168.0.42	/	15.5GB	9.95GB	5.56GB	64%
192.168.100.58	/	15.5GB	10.2GB	5.27GB	66%
10.110.18.34	/	15.5GB	10.5GB	5.01GB	68%
10.110.18.33	/	14.4GB	9.52GB	4.91GB	66%
192.168.100.57	/	14.4GB	9.21GB	5.21GB	64%
192.168.0.37	/boot	973MB	220MB	753MB	23%
10.110.18.33	/boot	973MB	326MB	646MB	34%
192.168.100.57	/boot	973MB	220MB	753MB	23%
192.168.0.42	/boot/efi	511MB	6.07MB	505MB	1%
192.168.100.58	/boot/efi	511MB	6.07MB	505MB	1%
10.110.18.34	/boot/efi	511MB	6.07MB	505MB	1%
192.168.100.53	C:\ Label: Serial Number a0b44823	243GB	118GB	124GB	49%
10.110.18.27	C:\ Label: Serial Number a0b44823	243GB	133GB	110GB	55%
192.168.100.53	D:\ Label: Serial Number c8f54d2	687GB	90.7GB	596GB	13%
10.110.18.27	D:\ Label: Serial Number c8f54d2	687GB	87.7GB	599GB	13%
192.168.100.59	system disk	89.2MB	17.9MB	71.3MB	20%
10.110.18.30	system disk	89.2MB	17.9MB	71.3MB	20%

Figura 115. Información de almacenamiento de dispositivo

Temperatura

Device	Description	Thresholds	History	Last changed	Event	Value
192.168.100.59	System	-- (no) --	---	12d 23h ago	ok	9°C
192.168.100.59	System	-- (no) --	---	12d 23h ago	ok	9°C
192.168.100.59	System	-- (no) --	---	12d 23h ago	ok	9°C
10.110.18.30	System	-- (no) --	---	5d 38m ago	ok	9°C
10.110.18.30	System	-- (no) --	---	5d 38m ago	ok	9°C
10.110.18.30	System	-- (no) --	---	5d 38m ago	ok	9°C

Figura 116. Información de temperatura de dispositivo

Frecuencia

Device	Description	Thresholds	History	Last changed	Event	Value
192.168.100.59	Processor	1.89GHz - (w) 2.09GHz	---	12d 23h ago	ok	1000MHz
10.110.18.30	Processor	1.89GHz - (w) 2.09GHz	---	5d 40m ago	ok	1000MHz

Figura 117. Información de frecuencia de dispositivo

Voltaje

Device	Description	Thresholds	History	Last changed	Event	Value
192.168.100.59	Core	-- (no) --	---	12d 23h ago	ok	0V
192.168.100.59	3.3V	-- (no) --	---	12d 23h ago	ok	0V
192.168.100.59	5V	-- (no) --	---	12d 23h ago	ok	0V
192.168.100.59	12V	-- (no) --	---	12d 23h ago	ok	0V
10.110.18.30	Core	-- (no) --	---	5d 41m ago	ok	0V
10.110.18.30	3.3V	-- (no) --	---	5d 41m ago	ok	0V
10.110.18.30	5V	-- (no) --	---	5d 41m ago	ok	0V
10.110.18.30	12V	-- (no) --	---	5d 41m ago	ok	0V

Figura 118. Información de voltaje de dispositivo

Datos más detallados del equipo

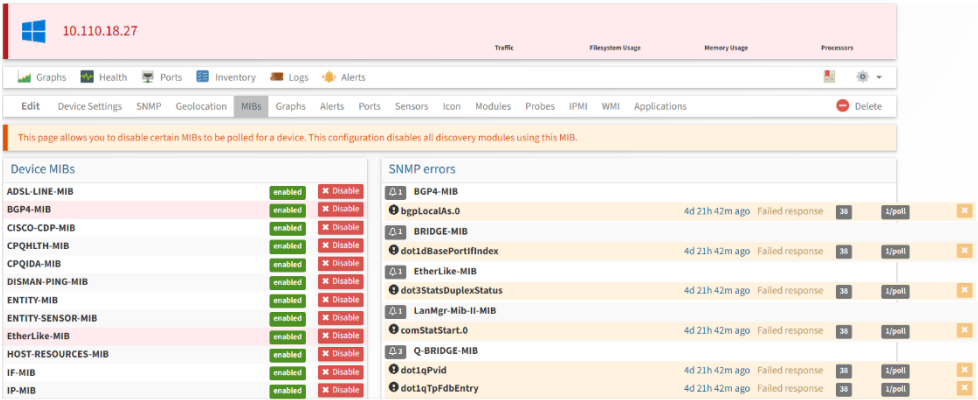


Figura 119. Datos más específicos de dispositivos

Graficas de todo tipo de información del equipo

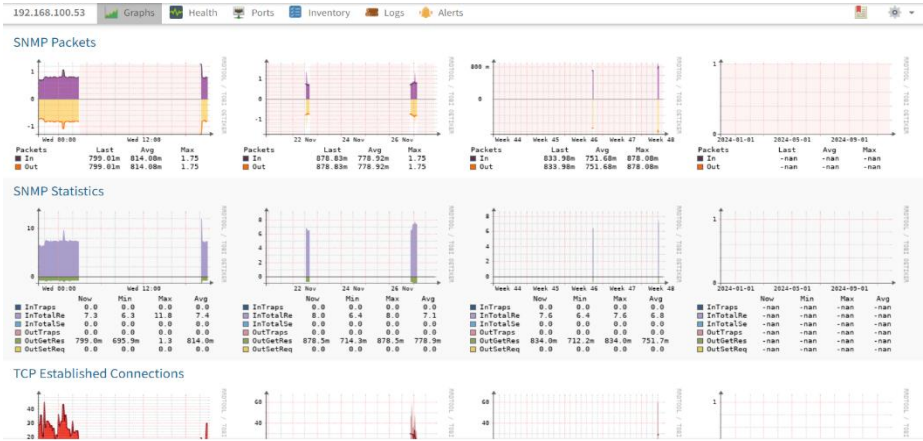


Figura 120. Grafica de datos de dispositivo

Agregación de usuarios

The screenshot displays a user management dashboard. It features a top navigation bar with tabs for Users, Roles, and Authentication Log. Below this is a central section titled 'User Properties' with fields for Username, Password, Real Name, and User Level. To the right, an 'Optional Information' section includes fields for E-mail and Description. At the bottom, there is an 'Add User' button.

Figura 121. Agregación de usuarios

Agregación de roles

Add Role

Role Name

Network Technician

Description

Permits read access to all devices

Close

✓ Add Role

Figura 122. Agregación de roles

Configuraciones Generales del servidor

Settings

Base

Web UI

Polling

Entities

Alerting

Authentication

Discovery

WMI

Network

Locations

Syslog

Integration

Routing

API

Housekeeping

All

General

Observium Server's own hostname

What is my own hostname (used so Observium can identify its host in its own database). By default equals 'hostname -f'.

?

observium

Require valid hostname

If TRUE, devices must have valid resolvable hostname (in DNS or /etc/hosts). Default is FALSE allowing addition of devices by IP address.

?

Datetime

Time format

Default time format.

?

Default (2024-11-27)

Debugging / Profiling

Database errors logging

Figura 123. Configuraciones generales del servidor