



Web Computer Administration Tool

WebCAT

User Manual

Version: WebCAT/EN UM/E50
11/2020

The screenshot shows the Schneider Electric WebCAT interface for a hardware configuration. The top navigation bar includes links for General information, Hardware status, Applicative settings, System parameters, Events and states, Database, Software, and Services. The main content area displays a grid of seven boards (1-7) with their respective configurations:

- Board 1: 6 DI + 4 DO**
 - DI:** 1, 2, 3, 4, 5, 6 (green)
 - DO:** 1, 2, 3, 4 (red)
- Board 2: 6 DI + 4 DO**
 - DI:** 1, 2, 3, 4, 5, 6 (green)
 - DO:** 1, 2, 3, 4 (red)
- Board 3: 5CT-4VT**
 - AI:** 1, 2, 3, 4, 5, 6, 7, 8, 9 (green)
- Board 4: PSU30H-DI-DO**
 - DI:** 1, 2, 3, 4 (green)
 - DO:** 1, 2, 3, 4 (red)
- Board 5: 6 DI + 4 DO**
 - DI:** 1, 2, 3, 4, 5, 6 (green)
 - DO:** 1, 2, 3, 4 (red)
- Board 6: COM_HSR_PRP**
 - DI:** 1, 2, 3, 4, 5, 6 (green)
- Board 7: Not configured**

© Schneider Electric - Energy Automation

Legal Information

The Schneider Electric brand and any trademarks of Schneider Electric SE and its subsidiaries referred to in this guide are the property of Schneider Electric SE or its subsidiaries. All other brands may be trademarks of their respective owners.

This guide and its content are protected under applicable copyright laws and furnished for informational use only. No part of this guide may be reproduced or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), for any purpose, without the prior written permission of Schneider Electric.

Schneider Electric does not grant any right or license for commercial use of the guide or its content, except for a non-exclusive and personal license to consult it on an "as is" basis. Schneider Electric products and equipment should be installed, operated, serviced, and maintained only by qualified personnel.

As standards, specifications, and designs change from time to time, information contained in this guide may be subject to change without notice.

To the extent permitted by applicable law, no responsibility or liability is assumed by Schneider Electric and its subsidiaries for any errors or omissions in the informational content of this material or consequences arising out of or resulting from the use of the information contained herein.

Table of Contents

Safety Information.....	5
Guaranties	6
Introduction.....	7
Cyber Security.....	9
Interface and navigation	10
Login	11
WebCAT RBAC	12
General information displaying	13
Hardware status displaying	14
Managing settings.....	15
System parameter settings.....	16
Events displaying	19
Error status displaying.....	21
Disturbance downloading	22
Database uploading	23
Firmware component uploading	24
Service hardening.....	25
Example of use with a BCPU type C5	26
Troubleshooting	29

Safety Information

Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that accompany this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in death or serious injury**.

Failure to follow these instructions will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in death or serious injury**.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in minor or moderate injury**.

NOTICE

NOTICE is used to address practices not related to physical injury.

Please Note

Electrical equipment should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Guarantees

The media on which you received SCHNEIDER ELECTRIC software are guaranteed not to fail executing programming instructions, due to defects in materials and workmanship, for a period of 90 days from date of shipment, as evidenced by receipts or other documentation. SCHNEIDER ELECTRIC will, at its option, repair or replace software media that don't execute programming instructions if SCHNEIDER ELECTRIC receives notice of such defects during the guaranty period. SCHNEIDER ELECTRIC does not guaranty that the operation of the software shall be uninterrupted or error free.

A Return Material Authorization (RMA) number must be obtained from the factory and clearly marked on the package before any equipment acceptance for guaranty work. SCHNEIDER ELECTRIC will pay the shipping costs of returning to the owner parts, which are covered by warranty.

SCHNEIDER ELECTRIC believes that the information in this document is accurate. The document has been carefully reviewed for technical accuracy. In the event that technical or typographical errors exist, SCHNEIDER ELECTRIC reserves the right to make changes to subsequent editions of this document without prior notice to holders of this edition. The reader should consult SCHNEIDER ELECTRIC if errors are suspected. In no event shall SCHNEIDER ELECTRIC be liable for any damages arising out of or related to this document or the information contained in it.

Expect as specified herein, SCHNEIDER ELECTRIC makes no guaranties, express or implied and specifically disclaims and guaranties of merchantability or fitness for a particular purpose.

Customer's rights to recover damages caused by fault or negligence on the part SCHNEIDER ELECTRIC shall be limited to the amount therefore paid by the customer. SCHNEIDER ELECTRIC will not be liable for damages resulting from loss of data, profits, use of products or incidental or consequential damages even if advised of the possibility thereof.

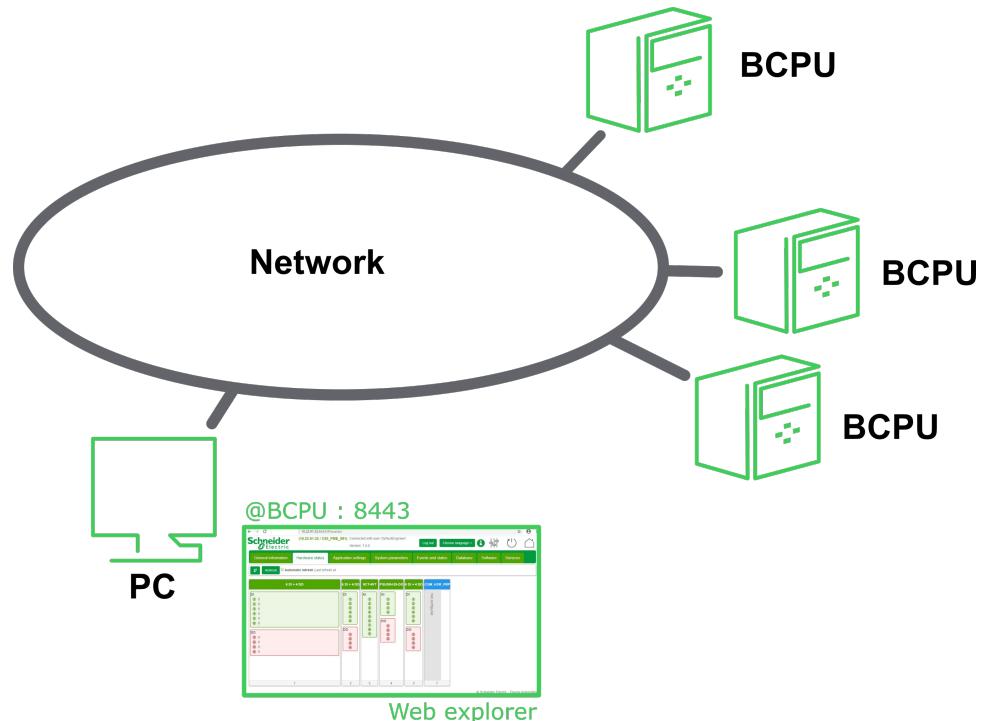
This limitation of the liability of SCHNEIDER ELECTRIC will apply regardless of the form of action, whether in contract or tort, including negligence. Any action against SCHNEIDER ELECTRIC must be brought within one year after the cause of action accrues. SCHNEIDER ELECTRIC shall not be liable for any delay in performance due to causes beyond its reasonable control.

The warranty provided herein does not cover damages, defects, malfunctions, or service failures caused by owner's failure to follow the SCHNEIDER ELECTRIC installation, operation, or maintenance instructions; owner's modification of the product; owner's abuse, misuse, or negligent acts; and power failure or surges, fire, flood, accident, actions of third parties, or other events outside reasonable control.

Introduction

Web Computer Administration Tool (WebCAT) is a web client tool to manage Bay Control and Protection Unit (BCPU), it allows operator to check the status of the BCPU, manage his hardware, software and database configuration, check the input/output state or value, manage settings.

Web Computer Administration Tool (WebCAT)



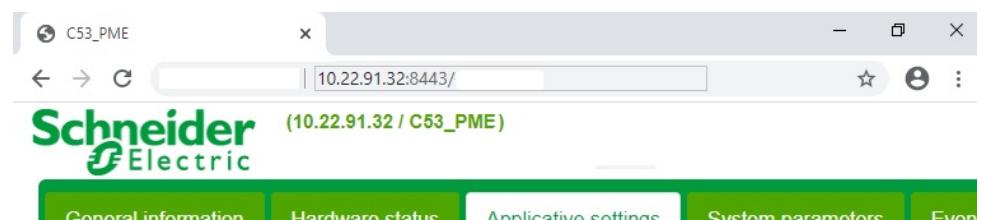
Prerequisite

WebCAT is a web application, there is no software installation. It requires to have an Web Explorer compatible.

The operator uses WebCAT in a secured environment, the computer, smartphone or any equipment used to run WebCAT should be in conformity with the Cyber Security.

Launch WebCAT

Launch a web explorer compatible, enter the IP address of the BCPU to manage on the address bar of the web explorer.

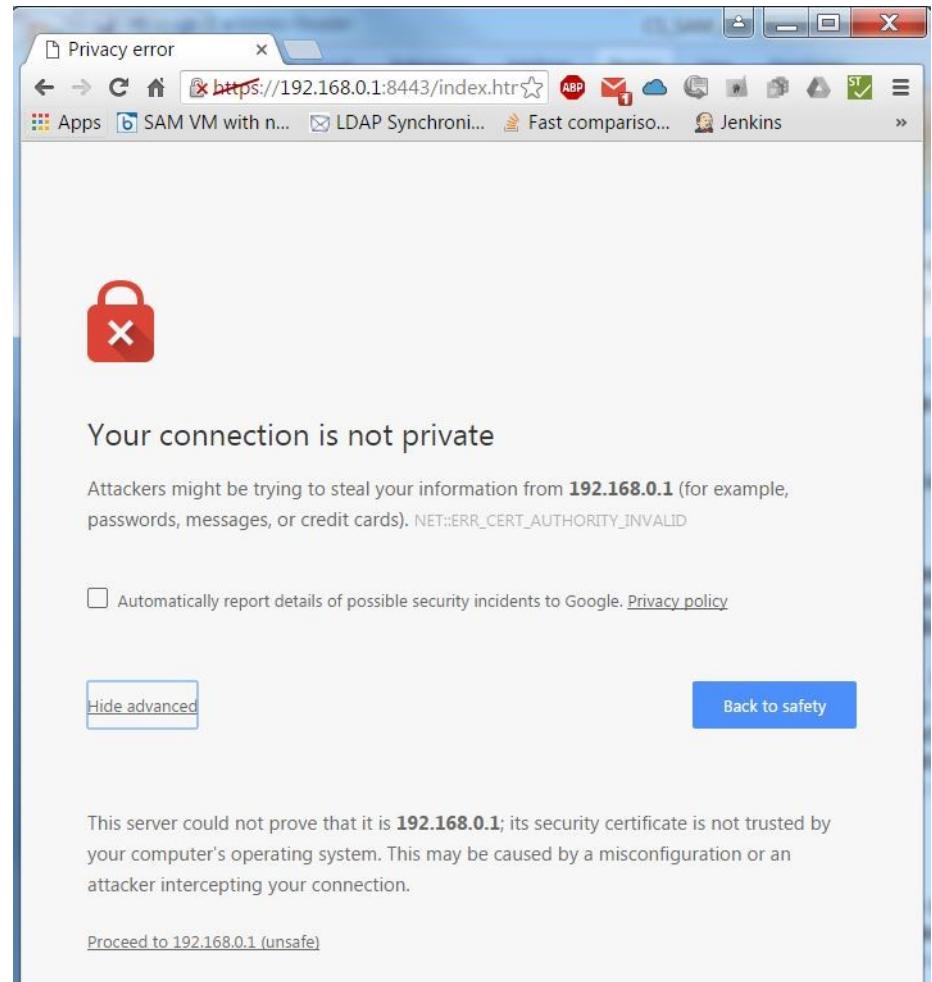


In example above, the operator enter "https://10.22.91.32:8443" on the address bar of web explorer, this is the IP address of the BCPU C53_PME, the "8443" is the communication port number used for WebCAT.

NOTE: The default IP address of BCPU is available in its documentation. For example: the default IP address of BCPU type C5 is 192.168.1.21.

NOTE: It works with https not with http.

NOTE: You may receive a message indicating that the certificate cannot be trusted (Google Chrome sample). Then proceed to the unsafe IP address of the BCPU.



A login page appears, (see Login, page 11 for details).

Cyber Security

Cybersecurity is a set of rules, methods, and technical features improving the quality of services and minimizing any risks to interrupt the deliveries resulting from accidental or intentional actions. Device hardening is the process of configuring various settings to strengthen security on devices. It involves password management, access control and disabling all unnecessary protocols and services.

Hardening PC base solution

For PC base solution, hardening Windows/Linux operating systems is applied by following these recommendations:

- Follow Security Bench Mark (CIS)
- Define Internal firewall rules
- Define Services used
- Use Host Intrusion Prevention System (HIPS)
- Use Antivirus protection
- Use Hardening File System management
- Remove remote management privileges
- Apply Systematic patch management
- Apply Methods of least privilege applied to applications and user accounts
- Respect Strong password management
- Respect User account management
- Removing unused / potential dangerous software

Interface and navigation

Interface

The interface of WebCAT is composed by a status bar, a tool bar, and a view with panels. The navigation is done as on a regular web site on internet.

Click on a panel to show it.

A simple click on a button launch an action or open a windows popup (for example: a select file explorer).

Top line bar



(10.22.91.32 / C53_PME_IM1)

IP address of the BCPU / the BCPU name

Connected with user 'DefaultEngineer'.

Version: 1.5.0

- Name of user logged on WebCAT
- Version of the WebCAT



- **Log out** To disconnect from the BCPU.
- **Choose language** To change the language.
- **i** To have information about selected tab.
- **Settings** To show settings in applicative setting tab.
- **Restart** To restart the BCPU.
- **Home** To come back to the Generation Information tab.

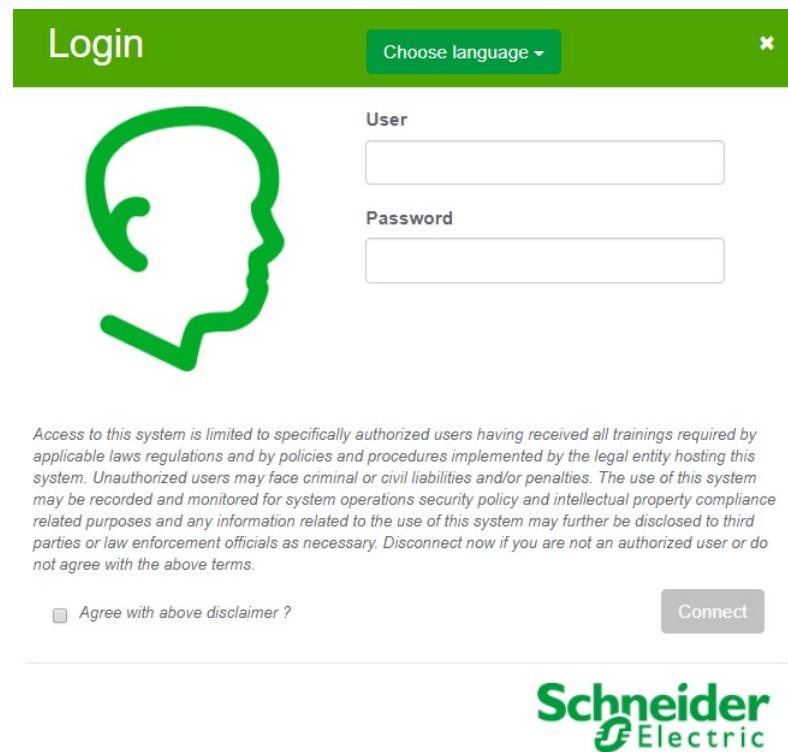
Generic buttons

In several views, the same following buttons can be found :

- **Refresh** Refresh the data displayed.
- **Automatic refresh** When checked, data are automatically updated.
- **Apply** Apply the value set on interface to the BCPU.
- **Download (.zip)** Download file.
- **Order** Order the data displayed.

Login

At initial connection the WebCAT requires a login.



The screenshot shows the WebCAT login interface. At the top, a green header bar contains the word 'Login' on the left and a 'Choose language' dropdown on the right. Below the header is a large, stylized green profile of a human head facing right. To the right of the profile are two input fields: 'User' and 'Password', each with a corresponding text input box. Below these fields is a large block of text containing a disclaimer. At the bottom left is a checkbox labeled 'Agree with above disclaimer?' and a large grey 'Connect' button on the right.

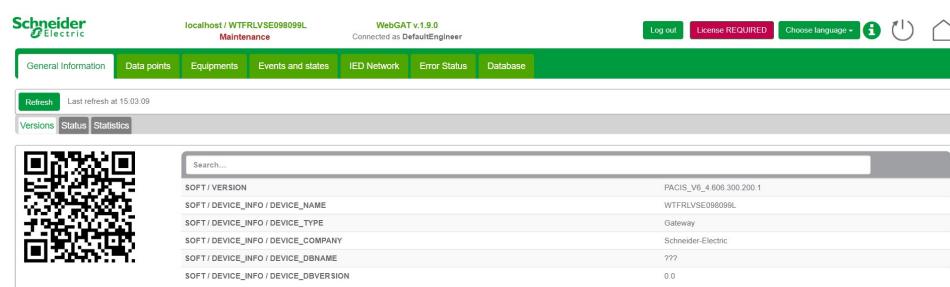
Access to this system is limited to specifically authorized users having received all trainings required by applicable laws regulations and by policies and procedures implemented by the legal entity hosting this system. Unauthorized users may face criminal or civil liabilities and/or penalties. The use of this system may be recorded and monitored for system operations security policy and intellectual property compliance related purposes and any information related to the use of this system may further be disclosed to third parties or law enforcement officials as necessary. Disconnect now if you are not an authorized user or do not agree with the above terms.

Agree with above disclaimer ? Connect



Enter User and Password, check the “Agree with above disclaimer” and click on Connect to start the WebCAT application.

The display after login success is represented below:



The screenshot shows the WebCAT home page after successful login. The top navigation bar includes the Schneider Electric logo, the URL 'localhost / WIFRLVSE098099L', the version 'WebCAT v1.9.0', and the status 'Connected as DefaultEngineer'. It also features a 'Logout' button, a 'LICENSE REQUIRED' message, a 'Choose language' dropdown, and icons for power and home. Below the header is a green navigation bar with tabs: 'General Information', 'Data points', 'Equipments', 'Events and states', 'IED Network', 'Error Status', and 'Database'. A search bar is located above a table. The table contains a QR code and several rows of data. The data rows are as follows:

SOFT / VERSION	PACIS_V6_4_606_300_200.1
SOFT / DEVICE_INFO / DEVICE_NAME	WIFRLVSE098099L
SOFT / DEVICE_INFO / DEVICE_TYPE	Gateway
SOFT / DEVICE_INFO / DEVICE_COMPANY	Schneider-Electric
SOFT / DEVICE_INFO / DEVICE_DBNAME	???
SOFT / DEVICE_INFO / DEVICE_DBVERSION	0.0

User right

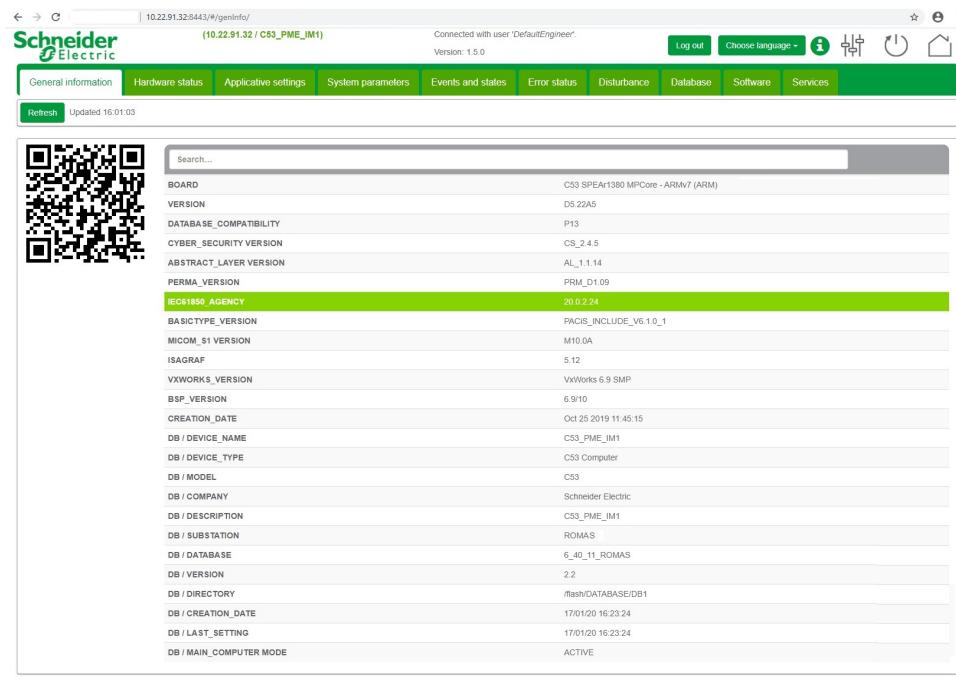
The functions available on WebCAT depends on the User right. The functions available are compliant with CyberSecurity rules of the BCPU.

WebCAT RBAC

The Role Based Access Control (RBAC) is a method to restrict resource access to authorized users. When logging to a computer with WebCAT, the RBAC defined for this computer is used. See the corresponding documentation of the computer for his default RBAC configuration, or the Cybersecurity Admin Expert documentation to modify the roles and access for this computer.

General information displaying

The general information view displays information about the BCPU, there are information as board type, versions information like version of board, of database, of agency... And there is information about database loaded on the BCPU.



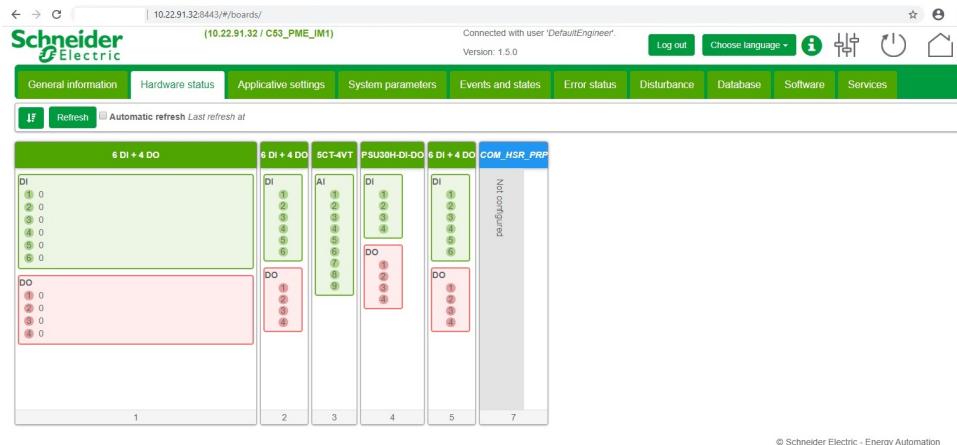
The screenshot shows the Schneider Electric WebCAT interface for a CS3 board. The top navigation bar includes links for General information, Hardware status, Applicative settings, System parameters, Events and states, Error status, Disturbance, Database, Software, and Services. The main content area displays a table of general information with the following data:

BOARD	C53 SPEAR1380 MPCore - ARMv7 (ARM)
VERSION	D5.22AS
DATABASE_COMPATIBILITY	P13
CYBER_SECURITY_VERSION	CS_2_4.5
ABSTRACT_LAYER_VERSION	AL_1.1.14
PERMA_VERSION	PRM_D109
IEC61950_AGENCY	20.0.2.24
BASICTYPE_VERSION	PACIS_INCLUDE_V6.1.0_1
MICOM_S1_VERSION	M10.0A
ISAGRAF	5.12
VXWORKS_VERSION	VxWorks 6.9 SMP
BSP_VERSION	6.9/10
CREATION_DATE	Oct 25 2019 11:45:15
DB / DEVICE_NAME	CS3_PME_IM1
DB / DEVICE_TYPE	CS3 Computer
DB / MODEL	CS3
DB / COMPANY	Schneider Electric
DB / DESCRIPTION	CS3_PME_IM1
DB / SUBSTATION	ROMAS
DB / DATABASE	6_40_11_ROMAS
DB / VERSION	2.2
DB / DIRECTORY	/flash/DATABASE/DB1
DB / CREATION_DATE	17/01/20 16:23:24
DB / LAST_SETTING	17/01/20 16:23:24
DB / MAIN_COMPUTER_MODE	ACTIVE

© Schneider Electric - Energy Automation

Hardware status displaying

Hardware status view shows the status of boards of the BCPU. It shows the data input and the data output status.

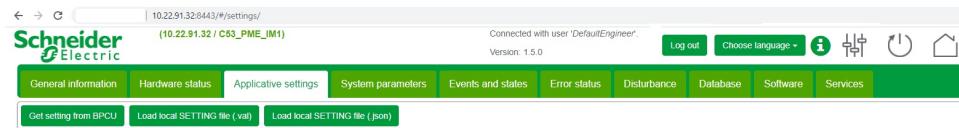


Click on a board to expand it and show details, only one board can be expanded at the same time.

NOTE: The BCPU hardware constitution depends on its configuration. The previous image is given as example. On the image above, the operator click on first board to expand it and show details.

Managing settings

The settings of the BCPU are accessible and settable on Applicative settings view.



- Get setting button to download setting from BCPU.
- Load local(.val) button to send setting file with format .val to BCPU.
- Load local(.json) button to send setting file with format .json to BCPU.

System parameter settings

This view presents three panels, the system parameters, the switch parameters and date and time.

System parameters

This panel is for network parameters, as network name and addresses IP.

On view example given, it is possible to change the network name of the BCPU and to set the IP address and the subnet mask of network board of BCPU.

Enter the value on the corresponding text box field and click on Apply.

NOTE: Any effective change (click on Apply button) on these parameters reboots the BCPU. The communication of WebCAT with BCPU is lost.

Switch parameters

This panel manages the setting of the switch board, it allows users to show and to modify setting. Switch board are optional board of BCPU, it extends network functionality of the BCPU. For example, switch board managing HSR/PRP protocols, RSTP...

HSR/PRP switch board parameter

Switch parameters	
Refresh Apply Default settings	
GENERAL_INFO	
VERSION	1
HARDWARE	Fusion
FPGA	HSR_FO_LC
EPPROM	USER
EXT_PWR	OK
PSU_USE	0
TRA	LC;100BASE-FX;AVAGO;HFBR-57E5APZ;53deg;3316mV;53mA;22uW;17uW
TRB	LC;100BASE-FX;AVAGO;HFBR-57E5APZ;65deg;3314mV;68mA;24uW;0uW
FLASH	start
ETH_MAC_S	OK
ETH_MAC_I	RX_OFF
EXTPWR	IDLE
GENERAL_CONFIGURATION	
IP_ADDR	00-80-F4-CC-2C-25-8
MULTICAST_00	02-80-F4-19-03-69
MULTICAST_01	OFF
MULTICAST_02	

NOTE: For detail about the setting available on this panel, please refers to the documentation of the switch board.

Date and time

This panel is for the date and time of the BCPU. The panel shows details like Local and UTC date, the timezone and information about the synchronization of the BCPU. The informations displayed depends on the BCPU type.

Click on Set to open the view to set date and time.

Date and time

Refresh Set

2020/02/05

16 : 06

Apply Cancel

```
LOCAL Date      :05/02/2020 16:04:07 day:3, DST:0
UTC Date       :WED FEB 05 15:04:07 2020
TIMEZONE       :UTC+1:-60:032902:102503
Synchronism     :Not Synchronous (2)
Equipement      :Operator
Equip. MAC address :00-80-F4-CC-32-F1
Equip. IP address :10.22.91.32
Equip. accuracy   :Accuracy within 1 S (0x2F)
Equip. state      :Missing (0)
Equip. priority    :(5)
IEC61588 Port state :SLAVE (9)
IRIG-B interface   :Missing (0)
System Master clock :NO
IRIG-B input signal :No IRIG-B Signal (0)
Synchro TIME-OUT    :180 seconds
Broadcasts address <10.22.91.255>, subnetmask =0x00FFFFFF
Average Acquisition phase correction   :0000 micros
```

Set the date and or time and click on Apply.

Events displaying

The events and states view display the event log and the states as binary inputs, measurements counters...

Event log

Event log parameters

- Enable events logging in the computer : to enable event logging.
- Normal or Debug: specifies the events to log. Normal: only log event configured are saved, Debug: all events are saved.

Binary inputs displaying

Measurements displaying

192.168.1.21:8443/index.html#/eventsAndStates/ (192.168.1.21 / EUT1)

Connected with user 'DefaultEngineer'. Version: 1.5.0

Log out Choose language *Help* *Print* *Reset*

General information Hardware status Applicative settings System parameters Events and states Error status Disturbance Database Software Services

Event log

Event log parameters

Printer parameters

States snapshot *Print*

Binary inputs

Measurements

Counters

Status indication group

Step positions

Measurements

Refresh Last refresh at *Print*

Measurements

© Schneider Electric - Energy Automation

Counters displaying

192.168.1.21:8443/index.html#/eventsAndStates/ (192.168.1.21 / EUT1)

Connected with user 'DefaultEngineer'. Version: 1.5.0

Log out Choose language *Help* *Print* *Reset*

General information Hardware status Applicative settings System parameters Events and states Error status Disturbance Database Software Services

Event log

Event log parameters

Printer parameters

States snapshot *Print*

Binary inputs

Measurements

Counters

Status indication group

Step positions

Counters

Refresh Last refresh at *Print*

Counters

© Schneider Electric - Energy Automation

Status indication group displaying

192.168.1.21:8443/index.html#/eventsAndStates/ (192.168.1.21 / EUT1)

Connected with user 'DefaultEngineer'. Version: 1.5.0

Log out Choose language *Help* *Print* *Reset*

General information Hardware status Applicative settings System parameters Events and states Error status Disturbance Database Software Services

Event log

Event log parameters

Printer parameters

States snapshot *Print*

Binary inputs

Measurements

Counters

Status indication group

Step positions

Status indication group

Refresh Last refresh at *Print*

Status indication group

© Schneider Electric - Energy Automation

Step positions displaying

192.168.1.21:8443/index.html#/eventsAndStates/ (192.168.1.21 / EUT1)

Connected with user 'DefaultEngineer'. Version: 1.5.0

Log out Choose language *Help* *Print* *Reset*

General information Hardware status Applicative settings System parameters Events and states Error status Disturbance Database Software Services

Event log

Event log parameters

Printer parameters

States snapshot *Print*

Binary inputs

Measurements

Counters

Status indication group

Step positions

Step positions

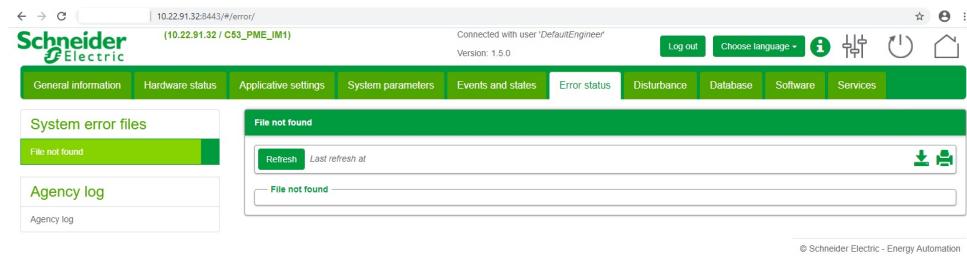
Refresh Last refresh at *Print*

Step positions

© Schneider Electric - Energy Automation

Error status displaying

Error status view manage log files of BCPU as Agency log and system error files.



Log file present on BCPU are showed on left side of the view. Select file to display it on right panel.

Disturbance downloading

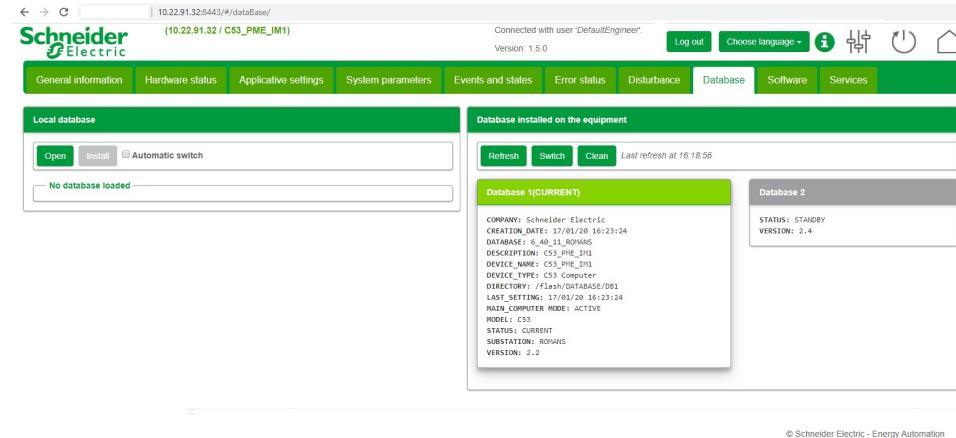
There are BCPU with capabilities to manage disturbance file. The disturbance view manages disturbance functionality of theses BCPU.

Disturbance view manages the download of disturbance files from BCPU. In case of a lot of disturbance files presents, there is search engine filtering on name, size or date of the file.

Select the disturbance files to download and click on Download button. Files are downloaded on a zip package.

Database uploading

Database of BCPU are managed on Database view. There is two panels, left panel to manage database locally and right panel to manage database on BCPU.



Left panel: Local database

- Click on Open button to load locally a database. Only database compatible with BCPU can be loaded.
- Click on Install to upload database loaded to BCPU. Confirm the installation.

Database

Do you confirm the installation of this database?

OK **Cancel**

Database successfully installed on BCPU.

Database (100%)

Install

Installation of the database

Steps:

1. Sending database file
2. Installation of the database

OK

- Check Automatic switch to automatically switch database after Install. Otherwise, the database uploaded is in Standby status.

Right panel: Database installed on the equipment

Right panel shows status and informations about the databases, the database with STATUS = CURRENT is the active database.

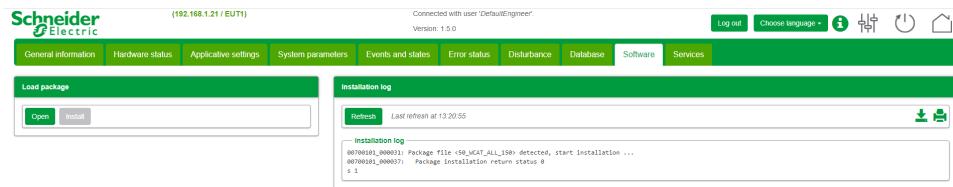
- Click on Refresh button to refresh information.
- Click on Switch button to switch the databases. Database CURRENT remains STANDBY and the database STANDBY become CURRENT.

NOTE: depending on BCPU, the Switch database reboot the BCPU.

- Click on Clean button to remove all database from BCPU.

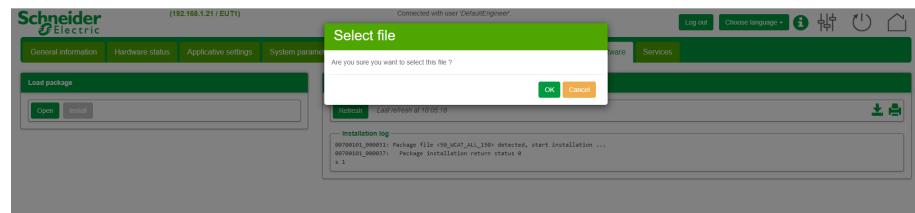
Firmware component uploading

Firmware of BCPU is managed on Software view. There is two panels, left panel to manage the choice and download of the firmware and right panel giving the installation log of the firmware on BCPU.

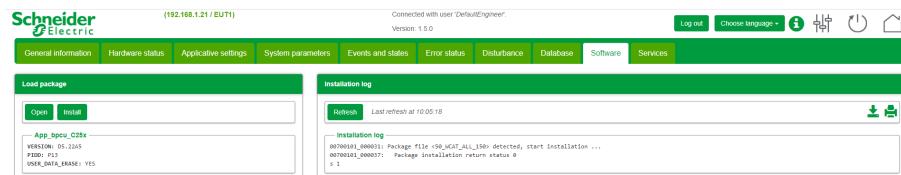


Left panel

- Click on Open button and select the .zip containing the firmware of the BCPU, click on install to upload the firmware to BCPU.
- Confirm the installation when asked.

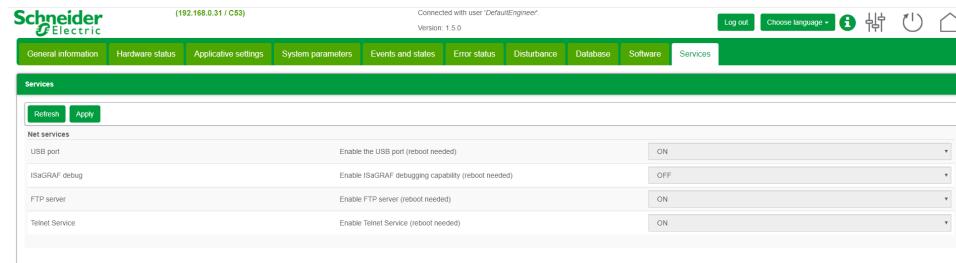


- The firmware has been successfully loaded on BCPU.



Service hardening

The Services panel let the operator to enable/disable services of the BCPU.



The screenshot shows the Schneider Electric WebCAT interface with the 'Services' tab selected. The page title is 'Services' and the sub-page title is 'Net services'. There are four service configurations listed:

Service	Description	Current Status
USB port	Enable the USB port (reboot needed)	ON
ISaGRAF debug	Enable ISaGRAF debugging capability (reboot needed)	OFF
FTP server	Enable FTP server (reboot needed)	ON
Telnet Service	Enable Telnet Service (reboot needed)	ON

- **USB port** (ON / OFF) : Enable/Disable the USB port on the front panel of BCPU.
- **ISaGRAF debug** (ON / OFF) : Enable/Disable the ISaGRAF debugging capability.
- **FTP server** (ON / OFF) : Enable/Disable the FTP server capability.
- **Telnet Service** (ON / OFF) : Enable/Disable the Telnet communication protocol.

NOTE: Any effective change (click on Apply button) on these parameters reboots the BCPU. The communication of WebCAT with BCPU is lost.

Example of use with a BCPU type C5

Configuration

A BCPU type C5.

A computer connecting on same network with the BCPU.

A web explorer compatible installed on the computer.

A configuration for the BCPU made in this example with System Configuration Editor (SCE). In this example, the name of the C5 is **C53** and the IP is **192.168.0.31**.

Update system setting according configuration

The name and IP address of the BCPU is not the same as the configured with SCE. First step is to update the name and IP in coherency with configuration.

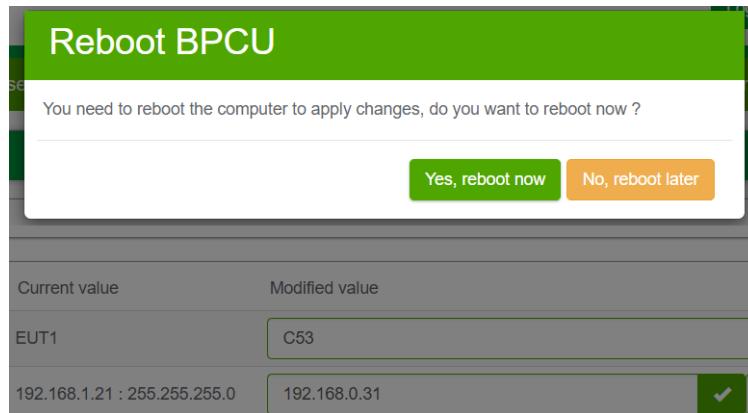
After login on the BCPU, on System parameters panel, enter the name and IP:

Name	Current value	Modified value	New name and IP
Computer network name	EUT1	C53	
IP and subnet mask Num 1	192.168.1.21 : 255.255.255.0	192.168.0.31	255.255.255.0
IP and subnet mask Num 2	192.168.2.21 : 255.255.255.0		

The old name is EUT1 and the new is C53.

The old IP is 192.168.1.21 and the new is 192.168.0.31.

Click on Apply to set the new name and IP. A popup shows to propose to reboot the BCPU, click on OK to reboot:



NOTE: The C5 update name and IP only after a reboot.

Reconnect to the BCPU after the reboot.

NOTE: To reconnect to BCPU, change the address IP on web explorer address bar. It is possible to connect to the BCPU only with the IP set. In this example, new address is <https://192.168.0.31:8443>

The information are updated in System parameters views:

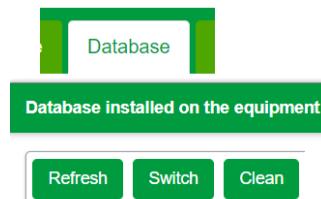
Load and install database

Go to Database panel.

Click on Open to load the configuration. At end of loading the information are updated:

Click on Install to upload database to the BCPU. A popup show to confirm the action, click on OK to confirm.

A popup loading appears, click ok at end of installation:



Click on Switch to make the database uploaded current. A popup shows to propose to reboot the BCPU, click on OK to reboot. The C5 BCPU update name and IP only after a reboot.

Reconnect to the BCPU after the reboot.

Now, the BCPU is running with the database uploaded. The information are updated:

Database 1(CURRENT)	
COMPANY:	Schneider Electric
CREATION_DATE:	10/02/20 09:21:38
DATABASE:	6_40_11_TEST_CLIM
DESCRIPTION:	EUT1
DEVICE_NAME:	C53
DEVICE_TYPE:	C52 Computer
DIRECTORY:	/flash/DATABASE/DB1
LAST_SETTING:	10/02/20 09:21:38
MAIN_COMPUTER_MODE:	ACTIVE
MODEL:	C52
STATUS:	CURRENT
SUBSTATION:	Substation_Upper
VERSION:	57.0

Troubleshooting

Bay Control and Protection Unit (BCPU) refuses WebCAT connection if its embedded cyber security brick certificate has not been renewed for 10 years.

Once the certificate is expired, WebCAT page becomes inaccessible in web explorer.

In that case, the following message appears in Google Chrome web explorer when connecting to the BCPU:

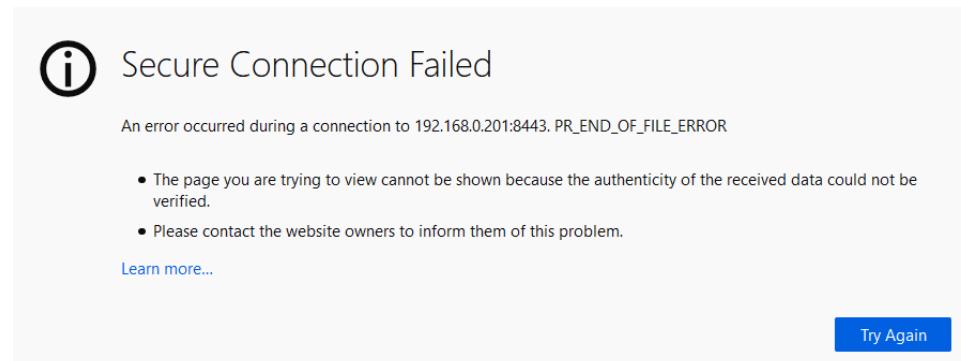


This site can't be reached

The webpage at <https://192.168.0.201:8443/> might be temporarily down or it may have moved permanently to a new web address.

ERR_CONNECTION_ABORTED

For Firefox web explorer the message is more explicit:



To fix this issue, restart the BCPU to renew the validity date of certificate.

Once BCPU has been restarted, WebCAT page re becomes accessible for a further cycle of 10 years.

Printed in:
Schneider Electric
35 rue Joseph Monier
92500 Rueil Malmaison - France
+ 33 (0) 1 41 29 70 00

Schneider Electric
35 rue Joseph Monier
92500 Rueil Malmaison
France

+ 33 (0) 1 41 29 70 00
www.schneider-electric.com

As standards, specifications, and design change from time to time,
please ask for confirmation of the information given in this publication.

© 2020 – 2020 Schneider Electric. All rights reserved.