

Arquero Sistema Corporativo

Configuration
Topology, hardware



Hardware

Equipment and devices

✓ Concentrators

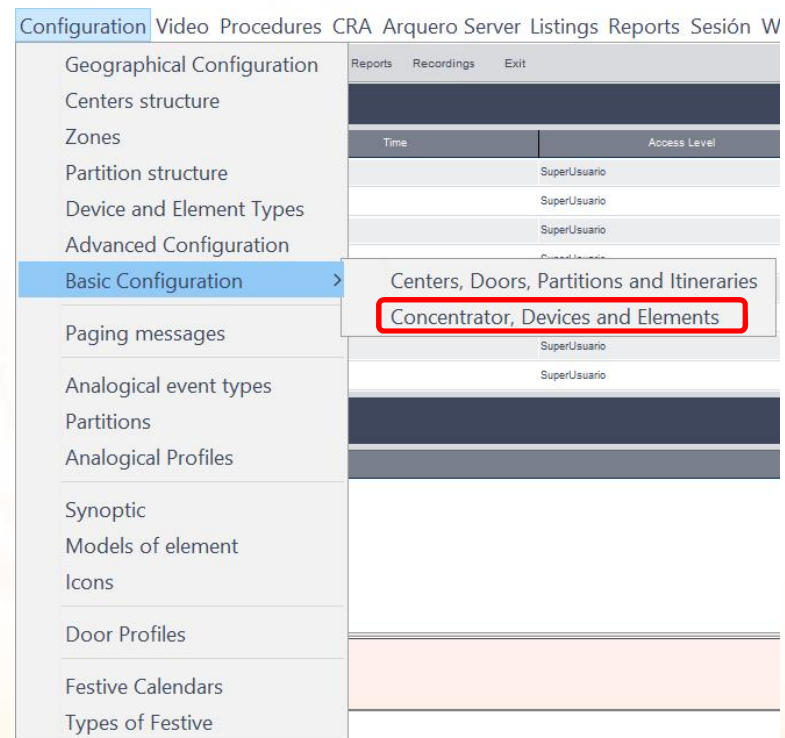
- ✓ Arquero service
- ✓ Devices control and operation
- ✓ From 1 to 1024 in the System

✓ Buses

- ✓ Any equipment controlled by Arquero
- ✓ Fire panel, intrusion, videorecorder, access control unit,...

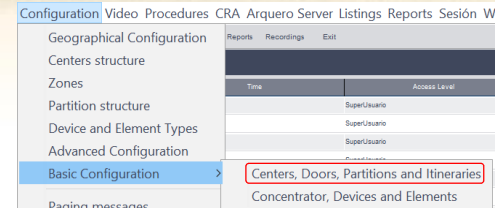
✓ Devices

- ✓ Buses elements
- ✓ Fire detector, intrusion detector, card reader, videocamera,...



Centers

Facility with doors, partitions, cameras,...

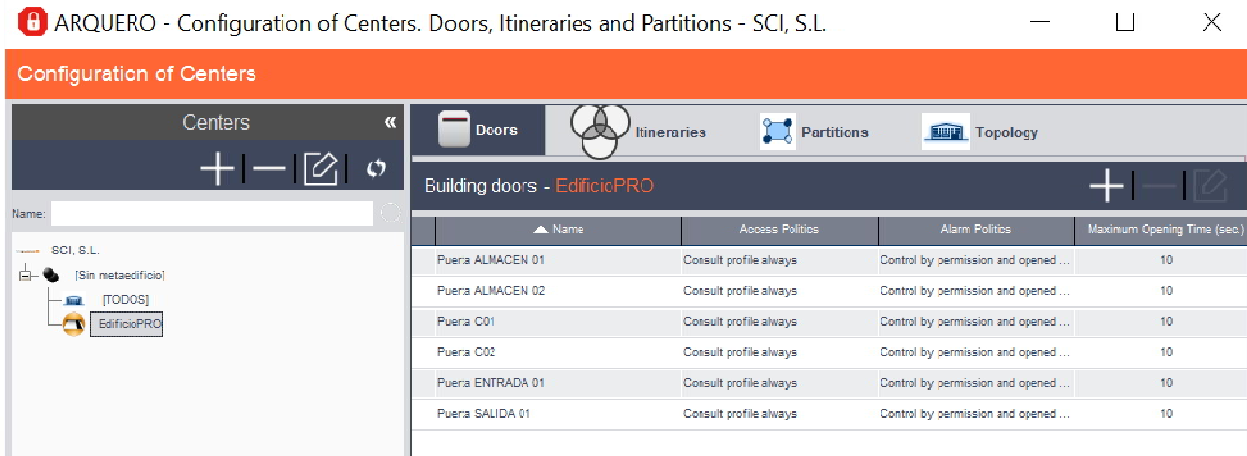


✓ Center

- ✓ Partitions
 - ✓ Doors
- ✓ Doors
- ✓ Itineraries
- ✓ Doors

✓ Type

- ✓ Allows classification



Centers

Register, adjustment

- ✓ Name
 - ✓ It has to be unique
- ✓ Type
 - ✓ Allows classification
 - ✓ Any value
- ✓ GMT
 - ✓ Time difference in regard to the “Head Quarters”.

Creation - Center

* Name:

Type:

Festive Calendar:

* GMT: +00

Address:

Functional group:

Icon:

Macros

Nombre	Valor

Total: 0 - Selected: 0

Description:

Ayuda | Cancel | Accept

Doors

Parameters

- ✓ Name
 - ✓ It has to be unique in its center.
- ✓ Access policy
 - ✓ How to check the access rights
- ✓ Alarm policy
 - ✓ How the door behaves
- ✓ Time of alarm
 - ✓ Maximum time of opening
- ✓ Audible alarm
 - ✓ Alarm outputs are activated
- ✓ Fire opening
 - ✓ It is automatically open if there is fire in its center.
- ✓ Collect guest's card
 - ✓ Guest's card is automatically collected at the exit.

The screenshot displays the 'Modification - Door Puerta ALMACEN 01' window in the ARQUERO software. The interface is divided into several sections:

- Navigation:** 'Doors', 'Itineraries', 'Partitions', 'Topology' tabs at the top.
- Header:** 'Building doors - EdificioPRO' with zoom controls (+, -, and a refresh icon).
- Left Panel:** A list of door types: 'Puerta ALI', 'Puerta ALI', 'Puerta CO', 'Puerta CO', 'Puerta EN', 'Puerta SAI'.
- Main Configuration Area:**
 - Name:** Puerta ALMACEN 01
 - Center:** EdificioPRO
 - Access Politics:** Consult profile always
 - Alarm Politics:** Control by permission and opened door
 - Maximum Opening Time (sec.):** 10
 - Time Authorization (sec.):** 0
 - Audible alarm:**
 - Fire Opening:**
 - It collects Guest's Card:**
 - Opening CS:**
 - Functional Group:** (empty field)
 - Description:** (empty text area)
- Right Panel:**
 - Access Politics:** Consult profile always
 - Alarm Politics:** Control by permission and opened door
 - Audible alarm:**
 - Time of alarm:** 10 seg.
 - Time Authorization (sec.):** 0 seg.
 - Automatic opening of Fire:**
 - Collect guest's cards:**
 - Opening CS:**
 - Description:** (empty text area)
- Bottom:** 'Ayuda', 'Cancel', and 'Accept' buttons.

Doors

Access policies

- ✓ Consult profile always
 - ✓ Rights in the access control DB
 - ✓ Both to enter and exit
 - ✓ There has to be a profile grating the access.
- ✓ Allow to exit always
 - ✓ Enter: same as “Consult profile always”
 - ✓ Exit: it is always allowed
- ✓ Allow always
 - ✓ It is always allowed
 - ✓ Access rights configuration is not required.
 - ✓ Easy and quick configuration.

Modification - Door Puerta ALMACEN 01

Name:	Puerta ALMACEN 01
Center:	EdificioPRO
Access Politics:	Consult profile always
Alarm Politics:	Allow to exit always
Maximum Opening Time (sec.):	Allow always
Time Authorization (sec.):	0

Doors

Alarm policies

- ✓ Without policy
 - ✓ The readers and the opening are functioning.
 - ✓ No door alarm is ever generated.
- ✓ Opening without permission
 - ✓ The readers and the opening are functioning
 - ✓ An alarm is generated when it is opened without control.
- ✓ Control of opened door.
 - ✓ The readers and the opening are functioning
 - ✓ An alarm is generated when it is left open
- ✓ Control by permission and opened door
 - ✓ The readers and the opening are functioning
 - ✓ An alarm is generated when it is opened without control or it is left open.

Modification - Door Puerta ALMACEN 01	
Name:	Puerta ALMACEN 01
Center:	EdificioPRO
Access Politics:	Consult profile always <input type="checkbox"/>
Alarm Politics:	Control by permission and opened door <input type="checkbox"/>
Maximum Opening Time (sec.):	Without politics
Time Authorization (sec.):	Opening without permission
Audible alarm:	Control of opened door
Fire Opening:	Control by permission and opened door
	Not controlled unblocked
	Not controlled blocked
	Commutation by identification

Doors

Alarm policies

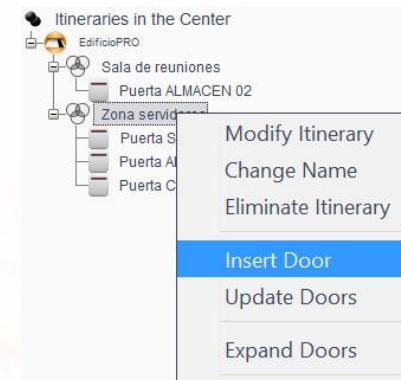
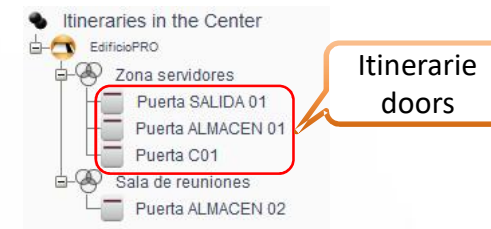
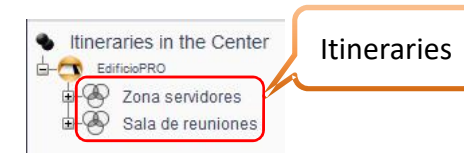
- ✓ Not controlled unblocked
 - ✓ The readers are not functioning
 - ✓ The door is unblocked
 - ✓ No door alarm is ever generated
- ✓ Not controlled blocked
 - ✓ The readers are not functioning
 - ✓ The door is blocked
 - ✓ No door alarm is ever generated
- ✓ Commutation by identification
 - ✓ A correct identification unblocks
 - ✓ The next correct identification blocks

Modification - Door Puerta ALMACEN 01	
* Name:	Puerta ALMACEN 01
* Center:	EdificioPRO
* Access Politics:	Consult profile always
* Alarm Politics:	Control by permission and opened door
Maximum Opening Time (sec.):	Without politics
Time Authorization (sec.):	Opening without permission
Audible alarm:	Control of opened door
Fire Opening:	Control by permission and opened door
	Not controlled unblocked
	Not controlled blocked
	Commutation by identification

Itineraries

Set of doors

- ✓ Paths for access control
 - ✓ All the doors in the same center
 - ✓ As many paths as needed
 - ✓ A door in as many paths as needed
- ✓ Insert doors
 - ✓ Itinerary pop-up menu
- ✓ Remove door
 - ✓ Door pop-up menu



Partitions

Intrusion control,...

- ✓ Name
 - ✓ Unique in the center
- ✓ Type
 - ✓ Closed: Control to enter and to exit. It is known who is inside.
- ✓ Alarm time
 - ✓ Time in an alarm status
- ✓ Time of delay in entry
 - ✓ Time passed from the intrusion detection until the alarm status activation.
- ✓ Time of delay in exit
 - ✓ Time passed from the arm command until it is actually armed.

Creation - Partition

* Name:

* Center: EdificioPRO

Reassembly Time (sec.): 60

Time of delay in entry (sec.): 20

Time of delay in exit (sec.): 20

Audible pre alarm:

Audible alarm:

Anti pass back:

Capacity control:

Activate with error:

Double check:

Functional group:

Description:

Ayuda | Cancel | Accept

Partitions

Intrusion control,...

- ✓ Audible alarm
 - ✓ Alarmed exits are activated.
- ✓ Antipassback
 - ✓ It is not possible to enter if you did not exit before.
 - ✓ Courtesy time to swipe the card twice.
- ✓ Capacity control
 - ✓ Maximum number of users
- ✓ Alarm with error
 - ✓ A breakdown is treated the same as a sensor activation.

Creation - Partition

* Name:

* Center: EdificioPRO

Reassembly Time (sec.): 00

Time of delay in entry (sec.): 20

Time of delay in exit (sec.): 20

Audible pre alarm:

Audible alarm:

Anti pass back: Time of antipassback courtesy (sec.): 20

Capacity control: Capacity (pers.): 1

Activate with error:

Double check:

Functional group:

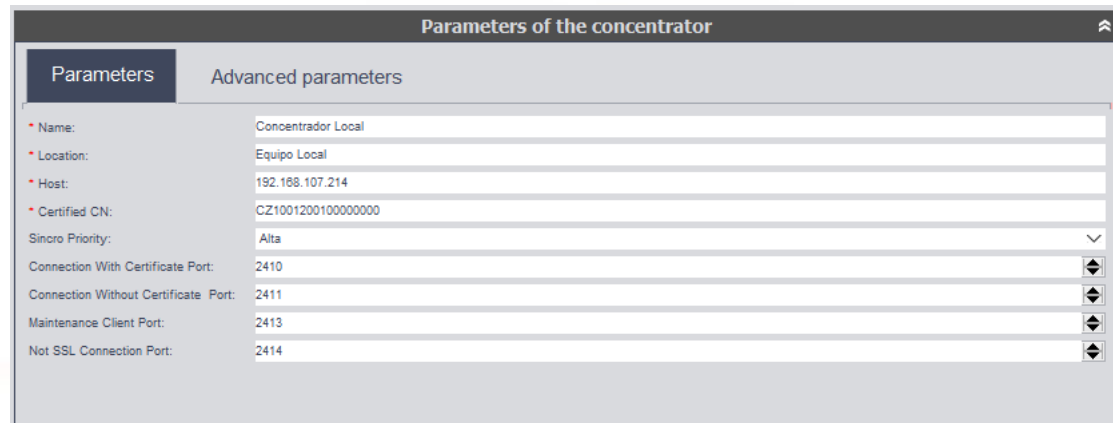
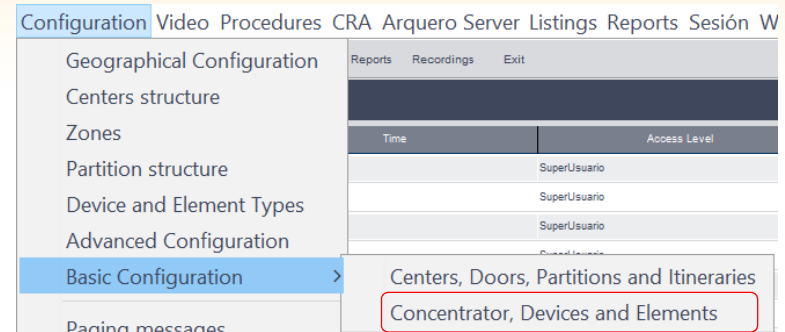
Description:

Ayuda | Cancel | Accept

Concentrators

Windows Service

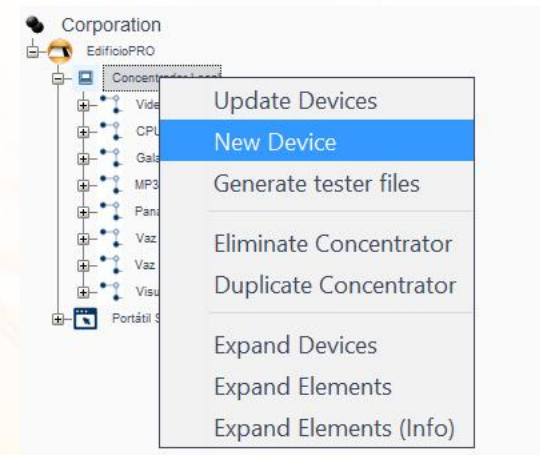
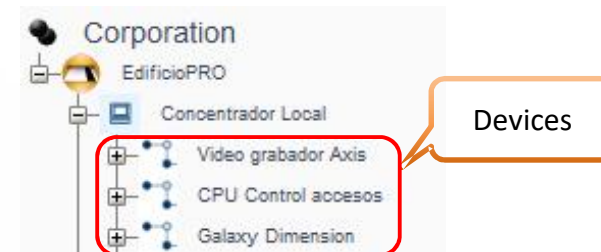
- ✓ It controls buses and devices
- ✓ Usually, there is no need to create it or modify it.
- ✓ Can be connected to
 - ✓ Control centers
 - ✓ Guests managers
 - ✓ Operation posts
- ✓ Important parameters
 - ✓ IP or DNS address
 - ✓ X.509 Certificate (provided with Arquero license)
- ✓ TCP Ports
 - ✓ If possible, leave the default values as they are.
 - ✓ If they are changed, they are needed for the installation of applications.



Buses

Equipment controlled by the Concentrator

- ✓ Typically
 - ✓ Videorecorders
 - ✓ Intrusion control centers
 - ✓ Fire control centers
 - ✓ Access control
 - ✓ Time controlling clocks
 - ✓ License plate recognition
 - ✓ Technical signals (temperature, gasses,...)
 - ✓ Technical outputs (three-phase inverters, light, solenoid valves,...)
- ✓ “Wizard” for the configuration of each type
- ✓ Creation
 - ✓ Over the Concentrator, pop-up menu



Buses

Ejemplos de parámetros

Parameters of the Device

Name:	Bus NSC
Subscriber code:	
Device type:	NSC TCP/IP
<input checked="" type="checkbox"/> [1]IP	192.168.172.5
<input checked="" type="checkbox"/> [2]Port	945
<input checked="" type="checkbox"/> [3]Arquero Id	1
<input checked="" type="checkbox"/> [4]FCP Id	2
<input checked="" type="checkbox"/> [5]Model	[1]SOLUTION_F1
<input checked="" type="checkbox"/> [99]Log Level	[4]LOW

Buses/Devices

Types of parameters

- ✓ Mandatory
 - ✓ They have to be filled in
- ✓ Optional
 - ✓ They are deactivated by default
 - ✓ They must be activated to filled them in
 - ✓ By checking the left box

- ✓ Types
 - ✓ Text
 - ✓ IP/DNS
 - ✓ Integer
 - ✓ Boolean
 - ✓ Enumerated

The screenshot shows a web form titled "Parameters of the Device". It contains several input fields and checkboxes. The fields are:

- Name: (text input)
- Subscriber code: (text input)
- Device type: (dropdown menu, currently showing "NSC TCP/IP")
- [1]IP: (checkbox checked, text input)
- [2]Port: (checkbox checked, text input)
- [3]Arquero Id: (checkbox checked, text input)
- [4]FCP Id: (checkbox checked, text input)
- [5]Model: (checkbox checked, dropdown menu)
- [99]Log Level: (checkbox unchecked, text input)

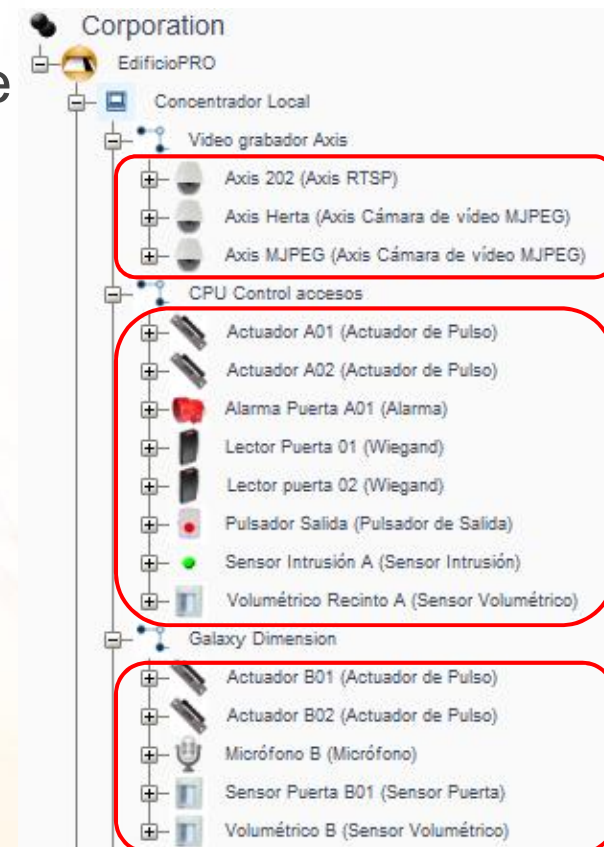
Two callout boxes are present:

- "Mandatory fields" points to the [1]IP, [2]Port, [3]Arquero Id, and [4]FCP Id fields.
- "Optional fields" points to the [5]Model and [99]Log Level fields.

Devices

Elements of the buses

- ✓ The possible types are based on the type of bus.
- ✓ “Wizard” for its configuration
- ✓ **Functionality**
 - ✓ Card reader/biometrics/register/...
 - ✓ Door locking/gate/turnstile/barrier/...
 - ✓ Open door sensor
 - ✓ Alarmed exit, for doors and partitions
 - ✓ Intrusion/volumetric sensor, for partitions
 - ✓ Exit push button, for doors.
 - ✓ Fire detector
 - ✓ Video/Photo camera
 - ✓ Technical signals digital/analogic
 - ✓ Technical outputs digital/analogic



Devices

Examples of parameters

Parameters

* Element: Entrada interna 1

Functional Group:

Type: Entrada Interna

<input checked="" type="checkbox"/> [1]Remote Panel	Activated
<input checked="" type="checkbox"/> [2]RS485 Address	1
<input checked="" type="checkbox"/> [3]Input	0

Parameters

* Element: Pulsador incendio 1

Functional Group:

Type: Pulsador incendio

<input checked="" type="checkbox"/> [1]Zone	23
<input checked="" type="checkbox"/> [2]Detector	15
<input checked="" type="checkbox"/> [10]Max. Time Inhibited	0

Parameters of the Device

* Name: Bus NSC

Subscriber code:

* Device type: NSC TCP/IP

<input checked="" type="checkbox"/> [1]IP	192.168.172.5
<input checked="" type="checkbox"/> [2]Port	945
<input checked="" type="checkbox"/> [3]Arquero Id	1
<input checked="" type="checkbox"/> [4]FCP Id	2
<input checked="" type="checkbox"/> [5]Model	[1]SOLUTION_F1
<input type="checkbox"/> [99]Log Level	