



**Guide for configuring and working with the Server "Sigur"
integration module**

Table of Contents

1	List of terms used in the Guide for configuring and working with the Server "Sigur" integration module.....	4
2	Introduction into the Guide for configuring and working with the Server "Sigur" integration module.....	5
2.1	Purpose of the document.....	5
2.2	General information about the Server "Sigur" integration module.....	5
3	Supported software and licensing of the Server "Sigur" integration module.....	7
4	Adding the Server "Sigur" integration module.....	8
5	Configuring the Server "Sigur" integration module	9
6	Working with the Server "Sigur" integration module	11
6.1	General information about working with the Server "Sigur" integration module ..	11
6.2	Configuring macros when working with the Server "Sigur" integration module ..	11
6.3	Managing the object of the Server "Sigur" integration module.....	12
6.4	Managing the access point of the Server "Sigur" integration module.....	13
6.5	Managing the output of the Server "Sigur" integration module	14

1 List of terms used in the Guide for configuring and working with the Server "Sigur" integration module

Term	Description
Access	Movement of people, transportation and other objects to (from) premises, buildings, areas, and territories
Actuators	Turnstiles, gates, barriers or doors equipped with electromagnetic or electromechanical locks. The controller controls the actuators and receives information about their status
Client	Computer connected to the Server "Sigur" via the TCP/IP protocol. The Client of the Server "Sigur" is the <i>Axxon One</i> Server
Client	Computer with installed Client software of the Server "Sigur" ACS connected to the Server via the TCP/IP protocol
Controller	Electronic device that is a highly integrated microprocessor board in a metal case. Controller is connected to the RS485 or Ethernet communication line, readers, sensors and actuators
Axxon One Server	Computer with installed Server configuration of <i>Axxon One</i>
Server "Sigur"	Computer with installed Server "Sigur" ACS software
Access Control System (ACS)	Hardware and software system used to perform access control and management functions
Readers	Electronic devices used to enter a memorized code from a keyboard or read a code information from system keys (identifiers)
Access point	Place where access control is performed. An access point can be a door, turnstile, gate, barrier equipped with a reader, electromechanical lock, and other means of access control

2 Introduction into the Guide for configuring and working with the Server "Sigur" integration module

On the page:

- [Purpose of the document \(see page 5\)](#)
- [General information about the Server "Sigur" integration module \(see page 5\)](#)

2.1 Purpose of the document

The *Guide for configuring and working with the Server "Sigur" integration module* is a reference and information manual and is intended for configuration specialists and operators of the **Server "Sigur"** integration module.

The Guide has the following information:

1. General information about the **Server "Sigur"** integration module.
2. Adding the **Server "Sigur"** integration module.
3. Configuring the **Server "Sigur"** integration module.
4. Working with the **Server "Sigur"** integration module.

2.2 General information about the Server "Sigur" integration module

The **Server "Sigur"** integration module is a part of the ACS subsystem implemented on the basis of *Axxon One + ACFA* and is used for monitoring and controlling the **Server "Sigur"** system objects.



Note

For more information about the **Server "Sigur"** ACS, see the official reference documentation for this system (manufactured by PA Labs d.o.o.)

Before configuring the **Server "Sigur"** integration module, do the following:

1. Install the hardware of the **Server "Sigur"** ACS in the protected facility.
2. Configure the access points of the **Server "Sigur"** ACS using the software of the **Server "Sigur"** Client (see the official reference documentation).

3 Supported software and licensing of the Server "Sigur" integration module

Name of the integration module	Sigur: Sigur server (see page 4)
Integrated software, hardware	Sigur software versions 1.1 and 1.6 • Sigur E510 • Sigur E2/E4
Functionality	Monitoring, control
Licensing	Per each access point (ACFARreader)
Information on manufacturer	PA Labs d.o.o. Address: Zemljemerska, 12, 1000 Ljubljana, Slovenia Phone: +7 (831) 433-32-82, +7 (831) 462-30-74 Website: www.sigur.com ¹ Email: sales@sigur.com ² , support@sigur.com ³
Type of integration	SOFT-SOFT
Hardware connection interface	NA
ACFA version	1.0 ⁴

¹ <https://sigur.com/en/contacts/>

² <mailto:sales@sigur.com>

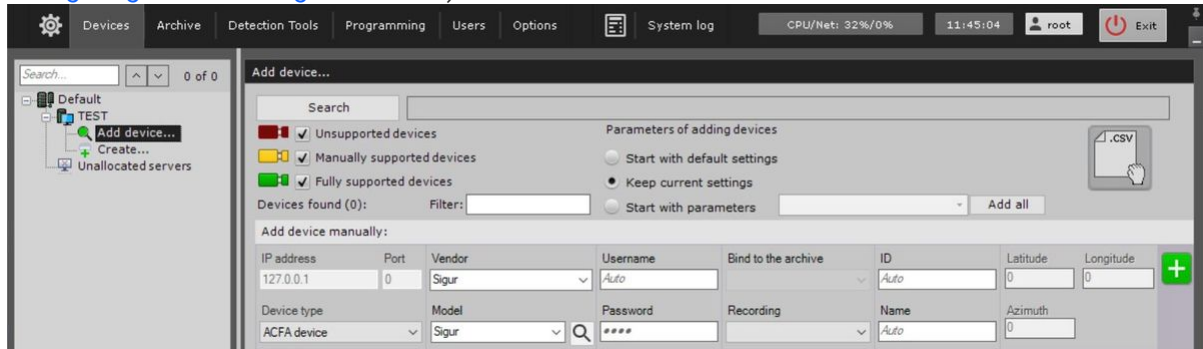
³ <mailto:support@sigursys.com>

⁴ <https://docs.axxonsoft.com/confluence/display/AxACFA10EN/ACFA+1.0+Release+Notes>

4 Adding the Server "Sigur" integration module

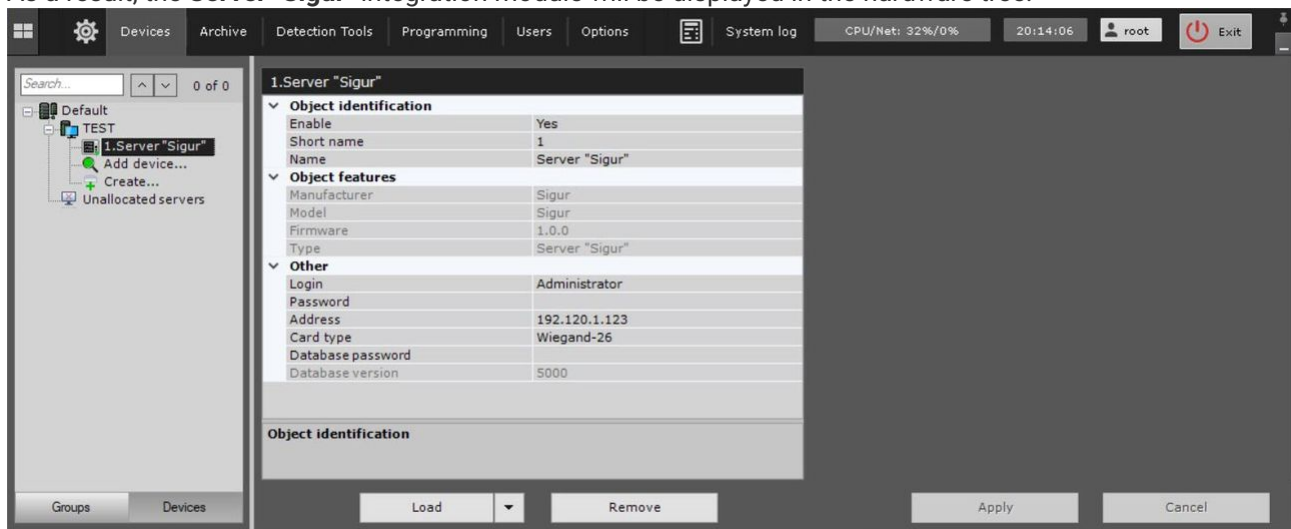
To add the **Server "Sigur"** integration module to the system, do the following:

1. Add the device to the system manually using the IP Device Discovery Wizard (see [Searching, adding, configuring and removing IP devices](#)⁵).



2. From the **Device type** drop-down list, select the **ACFA device**.
3. From the **Vendor** drop-down list, select **Sigur**.
4. From the **Model** drop-down list, select **Sigur**.
5. Click the  button.

As a result, the **Server "Sigur"** integration module will be displayed in the hardware tree.



⁵ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484249/Searching+adding+configuring+and+removing+IP+devices>

5 Configuring the Server "Sigur" integration module

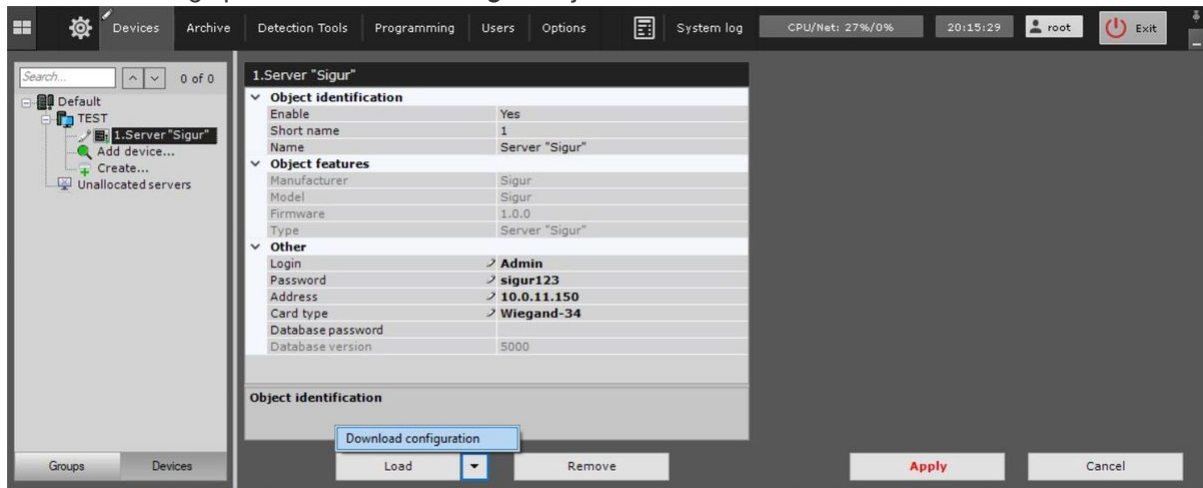
To configure the object of the **Server "Sigur"** integration module, do the following:



Attention!

To operate with the **Server "Sigur"** integration module in *Axxon One + ACFA*, you must activate the GATE protocol in the license file of the Sigur software.

1. Go to the settings panel of the **Server "Sigur"** object.



2. In the **Login** field, enter the username used to log in to the Sigur software.
The default value is **Admin**.
3. In the **Password** field, enter the user password used to log in to the Sigur software.
4. In the **Address** field, enter the IP address of the Sigur software server.
5. In the **Card type** field, select the data format of the access cards:
 - a. **Wiegand-26** (by default),
 - b. **Wiegand-34**.
6. In the **Database password** field, enter the password to access the database installed in the Sigur software (see [official reference documentation](https://sigur.com/en/download/#:~:text=Sigur%20Quick%20Guide%20for%20users%20%26%20administrators%20of%20the%20ACS)⁶).

⁶ <https://sigur.com/en/download/>

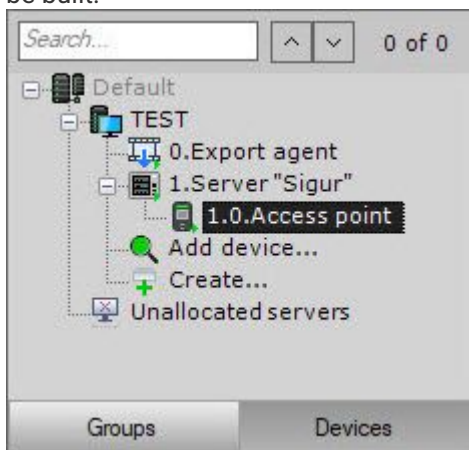
#:~:text=Sigur%20Quick%20Guide%20for%20users%20%26%20administrators%20of%20the%20ACS

Note

- If you use the Sigur software of a version earlier than 1.1.1.53 or newer than 1.6.6.42 and select the **set the password (automatically)** option in the **Database access password** window, you must leave the **Database password** field blank.
- **Database version** (non-editable field). The default value is **5000**.

7. Click the **Apply** button to save the changes.
8. Click the  button and select **Download configuration** from the drop-down list to automatically download the configuration and build the hardware tree.
9. Click the **Apply** button.

Configuring the object of the **Server "Sigur"** integration module is complete. As a result, a hardware tree will be built:



6 Working with the Server "Sigur" integration module

6.1 General information about working with the Server "Sigur" integration module

The **Map**, **Equipment Board** and **Macro** interface objects are used to work with the **Server "Sigur"** integration module.

For the information on configuring these interface objects, see [Configuring the interactive map](#)⁷, [Configuring an Equipment Board](#)⁸ and [Programming](#)⁹.

For the information on working with these interface objects, see [Working with the interactive map](#)¹⁰, [Working with Equipment Board](#)¹¹ and [Macros control](#)¹².

6.2 Configuring macros when working with the Server "Sigur" integration module



[Programming](#)¹³

[Macros control](#)¹⁴

When working with the **Server "Sigur"** integration module, you can configure a macro that will trigger when an event is received from **Server "Sigur"**.

When configuring a macro, you must select a specific object of the **Server "Sigur"** integration module.

⁷ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485351/Configuring+the+interactive+map>

⁸ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/260925539/Configuring+an+Equipment+Board>

⁹ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485013/Programming>

¹⁰ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486362/Working+with+the+interactive+map>

¹¹ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/260925544/Working+with+Equipment+Board>

¹² <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486481/Macros+control>

¹³ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485013/Programming>

¹⁴ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486481/Macros+control>

Example of a configured macro:

Name: Working mode:

☐ Add to menu

Start conditions

Default: 1.Server "Sigur": 1.0.Access point

Start conditions:

Event:

Add event filter

ACFA: Execute action

Default: 1.Server "Sigur"

Component:

Action:

6.3 Managing the object of the Server "Sigur" integration module

You can manage the object of the **Server "Sigur"** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Server "Sigur"** object. To display the menu of the **Server "Sigur"** object, right-click the required object. Commands to manage the object of the **Server "Sigur"** integration module are described in the table:

Menu command	Function
Object unlocking	Unlocks locks on all access points
Normal mode of object	All access points are in the normal mode
Object locking	All access points are constantly locked

The following states of the **Server "Sigur"** object are possible:

	No connection
	Normal

6.4 Managing the access point of the Server "Sigur" integration module

You can manage the access point of the **Server "Sigur"** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Access point "Sigur"** object. To display the menu of the **Access point "Sigur"** object, right-click the required object. Commands to manage the **Access point "Sigur"** object of the **Server "Sigur"** integration module are described in the table:

Menu command	Function
Unlock	Lock on the access point is unlocked
Forbid access (operator)	Access is forbidden (after receiving access request)
Open for entry	Access point is unlocked for entrance
Restart controller	Controller of the access point is restarted
Normal mode	Access point is in the normal mode: • access point is normally locked, • access point is unlocked when reading the key, • after passing or when the specified time expires access point is automatically locked
Process alarm	Registration of alarm at the access point is confirmed
Open for exit	Access point is unlocked for exit
Allow access (operator)	Access is allowed (after receiving access request)
Lock	Access point is locked, there is no access

The following states of the **Access point "Sigur"** object of the **Server "Sigur"** integration module are possible:

Without icon set	Door	Turnstile	Gate	Barrier	State
					No connection
					Normal
					Locked
					Unlocked
					Hacked
					Held
					Battery supply
					Power-line supply
					Fire

6.5 Managing the output of the Server "Sigur" integration module

You can manage the output of the **Server "Sigur"** integration module in the **Map** and **Equipment Board** interface objects using the menu of the **Output "Sigur"** object. To display the menu of the **Output "Sigur"** object, right-click the required object. Commands to manage the **Output "Sigur"** object of the **Server "Sigur"** integration module are described in the table:

Menu command	Function
Activate	Output activation
Deactivate	Output deactivation

The following states of the **Output "Sigur"** object of the **Server "Sigur"** integration module are possible:

Default	Custom	State
		Activated
		No connection
		Deactivated