



**Guide for configuring and working with the AXIS A1001
integration module**

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1 Introduction into the Guide for configuring and working with the Axis integration module

On the page:

- [Purpose of the document \(see page 4\)](#)
- [General information about the Axis integration module \(see page 4\)](#)

1.1 Purpose of the document

The *Guide for configuring and working with the Axis integration module* is a reference and information manual and is intended for configuration specialists of the **Axis** integration module. This module is a part of the access control system (ACS) implemented on the basis of ACFA.

The Guide has the following information:

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

1.2 General information about the Axis integration module

The **Axis** integration module is a part of the ACS implemented on the basis of ACFA and is used to perform the following functions:

1. Configuration of the **Axis** ACS (manufacturer—Axis Communications AB).
2. Providing interaction of the **Axis** ACS with ACFA (monitoring, control).



Note

For detailed information about the **Axis** ACS, see the official reference documentation for this system.

Before configuring the **Axis** integration module, you must do the following:

1. Install the **Axis** hardware on the protected facility (see the **Axis** official reference documentation).
2. Connect the **Axis** hardware to the *Axxon One* Server (see the **Axis** official reference documentation).

2 Supported software and licensing of the Axis integration module

Name of the integration module	AXIS: A1001 (see page 4)
Integrated software, hardware	Axis A1001
Functionality	Monitoring, control
Licensing	Per each access point (ACFAReader)
Information on manufacturer	Axis Communications AB Address: Schweden, Lund, Gränden 1, SE-223 69 Lund Phone: +46 46 272 18 00 Fax: +46 46 13 61 30 Website: www.axis.com ¹
Type of integration	API
Hardware connection interface	Ethernet
ACFA version	2.0 ²

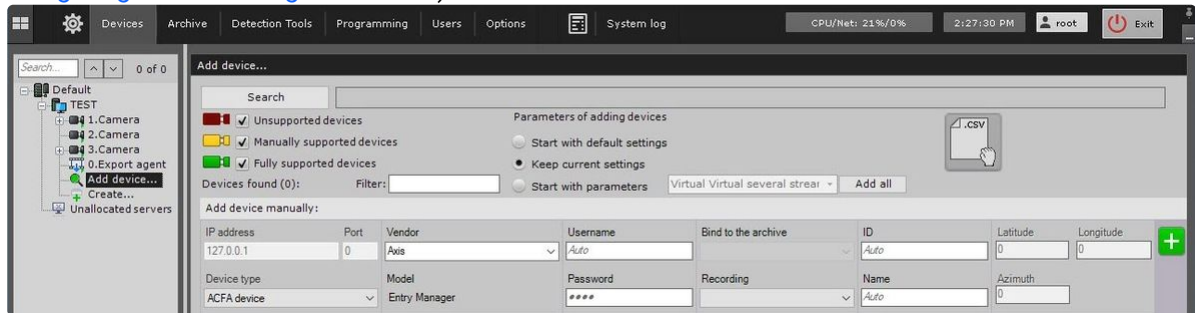
¹ <https://www.axis.com/>

² <https://docs.axxonsoft.com/confluence/display/AxACFA10EN/ACFA+2.0+Release+Notes>

3 Adding the Axis integration module

To add the **Axis** 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](#)³).

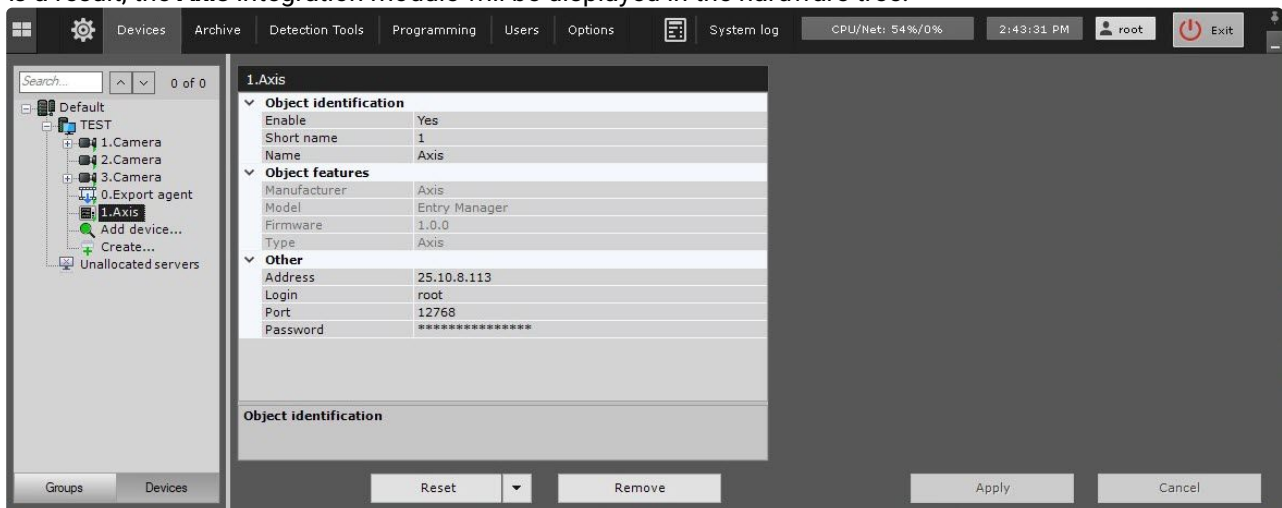


2. From the **Device type** drop-down list, select the **ACFA device**.
3. From the **Vendor** drop-down list, select **Axis**. In the **Model** field, the **Entry Manager** model will be selected by default.



4. Click the button.

As a result, the **Axis** integration module will be displayed in the hardware tree.

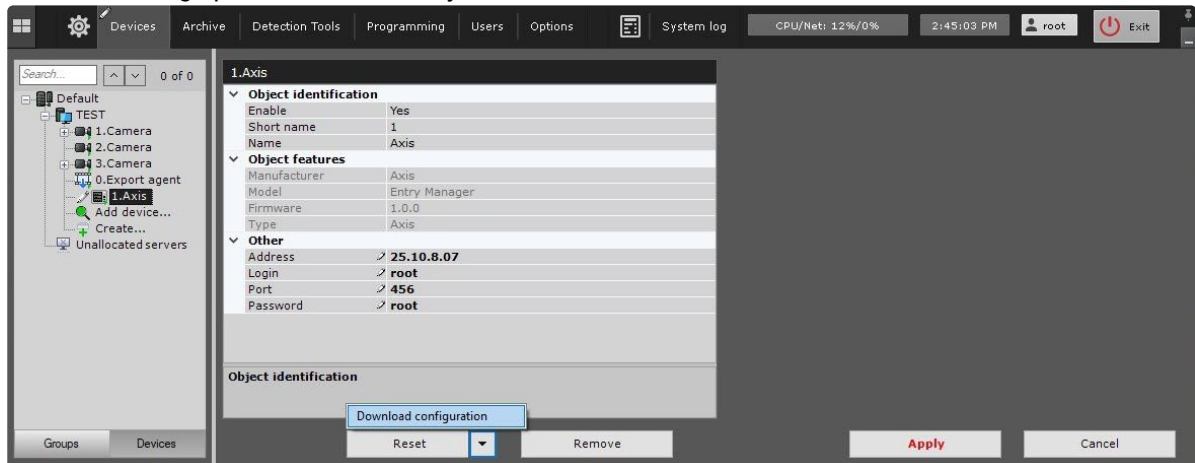


3 <https://docs.axxonsoft.com/confluence/display/one20en/Searching%2C+adding%2C+configuring+and+removing+IP+devices>

4 Configuring the object of the Axis integration module

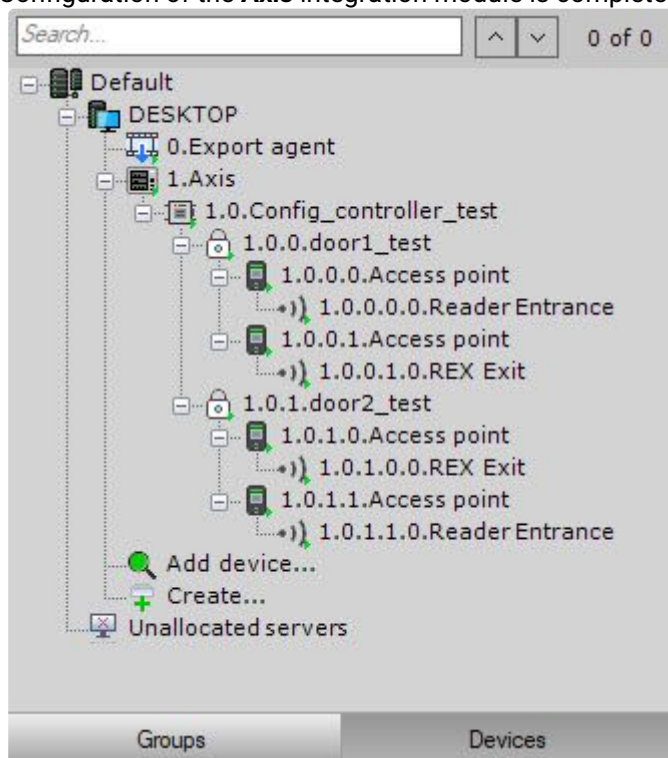
To configure the object of the **Axis** integration module, do the following:

1. Go to the settings panel of the **Axis** object.



2. In the **Address** field, specify the IP address of the **Axis** device.
3. In the **Login** field, specify the username to connect to the **Axis** device. By default, the login is **root**.
4. In the **Port** field, specify the number of the port to connect to the **Axis** device.
5. In the **Password** field, specify the password to connect to the **Axis** device. By default, the password is **root**.
6. Click the  button and select **Download configuration** from the drop-down list to automatically download the configuration and build the hardware tree.
7. Click the **Apply** button.

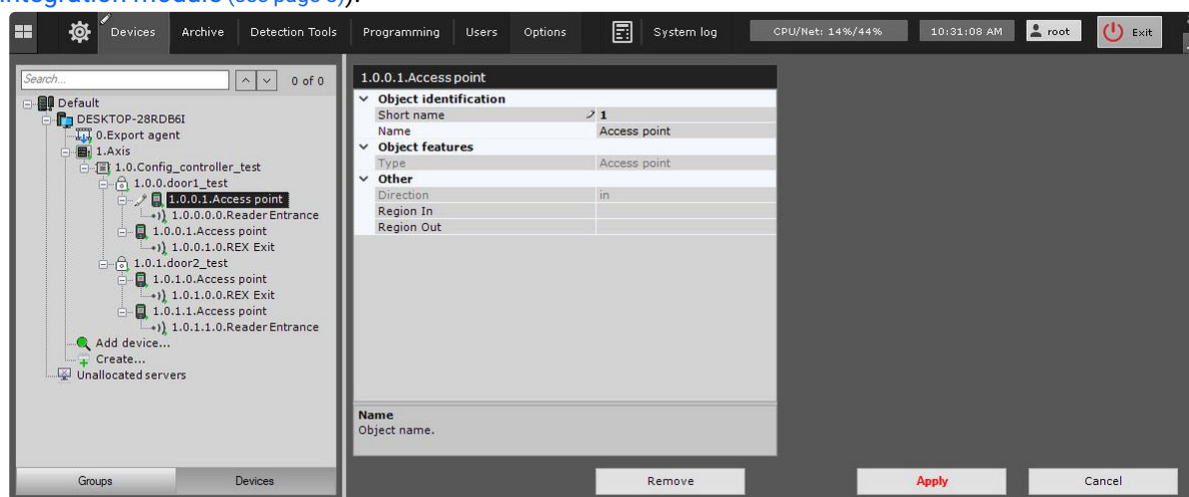
Configuration of the **Axis** integration module is complete. As a result, a hardware tree will be built.



4.1 Configuring the access point of the Axis integration module

To configure the **Axis access point** object of the **Axis** integration module, do the following:

1. Go to the settings panel of the **Axis access point** object that is created automatically after you download the configuration on the basis of the **Axis** object (see [Configuring the object of the Axis integration module \(see page 8\)](#)).



2. From the **Region In** drop-down list, select the region on the exit side of the access point.

3. From the **Region Out** drop-down list, select the region on the entry side of the access point.
4. Click the **Apply** button to save the settings.

Configuration of the **Axis access point** object of the **Axis** integration module is complete.

5 Working with the Axis integration module

5.1 General information about working with the Axis integration module

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

For the information on configuring these interface objects, see [Configuring the interactive map](#)⁴, [Configuring an Equipment Board](#)⁵ and [Programming](#)⁶.

For the information on working with these interface objects, see [Working with the interactive map](#)⁷, [Working with Equipment Board](#)⁸ and [Macros control](#)⁹.

5.2 Configuring macros when working with the Axis integration module



[Macros control](#)¹⁰

[Programming](#)¹¹

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

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

⁴ <https://docs.axxonsoft.com/confluence/display/one20en/Configuring+the+interactive+map>

⁵ <https://docs.axxonsoft.com/confluence/display/one20en/Configuring+an+Equipment+Board>

⁶ <https://docs.axxonsoft.com/confluence/display/one20en/Programming>

⁷ <https://docs.axxonsoft.com/confluence/display/one20en/Working+with+the+interactive+map>

⁸ <https://docs.axxonsoft.com/confluence/display/one20en/Working+with+Equipment+Board>

⁹ <https://docs.axxonsoft.com/confluence/display/one20en/Macros+control>

¹⁰ <https://docs.axxonsoft.com/confluence/display/one20en/Macros+control>

¹¹ <https://docs.axxonsoft.com/confluence/display/one20en/Programming>

Example of a configured macro:

Name: Working mode:

☐ Add to menu

Start conditions

Default: 2.Emulator ACFA: 2.1.Sensor 1

Start conditions:

Event: Parameter:

Add event filter

ACFA: Execute action

Default: 1.Axis: 1.0.Config_controller_test: 1.0.0.door1_test

Component:

Action:

5.3 Managing the object of the Axis integration module

You cannot manage the object of the **Axis** integration module in the **Map** and **Equipment Board** interface objects.

The object of the **Axis** integration module can have the following states:

	Connected
	Disconnected

5.4 Managing the controller of the Axis integration module

You cannot manage the controller of the **Axis** integration module in the **Map** and **Equipment Board** interface objects.

The **Axis controller** object can have the following states:

	Normal
---	--------

	Unknown
---	---------

5.5 Managing the door of the Axis integration module

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

Menu command	Function
Lock open	Open the lock
Lock down	Lock the door, the device ignores other actions until the Lock down release command is called, the door is set to the Locked state
Access	Give users instant access to the door, the door is set to the Accessed state
Unlock	Unlock the door, the door is set to the Unlocked state
Release	Release the door
Lock down release	Unlock the door by switching it from the Locked state to the previous/next state, usually the Locked down state
Access on time	Give a user a temporary access, which is determined by the settings
Lock open release	Open and unlock the door
Lock	Close the door, the door is usually set to the Locked state
Double lock	Used to securely lock the door, the door is set to the Double locked state. If the door has an additional lock, it must also be locked
Block	Lock the door and prevent instant access to the door, the door is set to the Blocked state

The **Axis door** object of the **Axis** integration module can have the following states:

	Unknown
	Locked
	Unlocked
	Accessed
	Blocked
	Locked down
	Locked open
	Double locked
	Door unknown
	Door open
	Door closed
	Door fault

	Lock unknown
	Lock locked
	Lock unlocked
	Lock fault
	Doublelock unknown
	Doublelock locked
	Doublelock unlocked
	Doublelock fault
	Alarm normal
	Door forced open
	Door open too long

5.6 Managing the access point of the Axis integration module

You cannot manage the access point of the **Axis** integration module in the **Map** and **Equipment Board** interface objects.

The **Axis access point** object of the **Axis** integration module can have the following states:

	Normal
	Disable
	Unknown

5.7 Managing the reader of the Axis integration module

You cannot manage the reader of the **Axis** integration module in the **Map** and **Equipment Board** interface objects.

The **Axis reader** object of the **Axis** integration module can have the following states:

	Normal
	Unknown