



**Guide for configuring and working with the BACnet Server  
integration module**

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# 1 Introduction into the Guide for configuring and working with the BACnet Server integration module

## On the page:

- [Purpose of the document](#)
- [General information about the BACnet Server integration module](#)

## 1.1 Purpose of the document

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

The Guide has the following information:

1. General information about the **BACnet Server** integration module;
2. Adding the **BACnet Server** integration module;
3. Configuration of the **BACnet Server** integration module;
4. Working with the **BACnet Server** integration module.

## 1.2 General information about the BACnet Server integration module

The **BACnet Server** integration module is used for connecting any devices supporting the BACnet protocol. The **BACnet Server** integration module allows you to perform data exchange and data processing between *Axxon One + ACFA* and BACnet devices.



### Note

All standard device types are supported. The operation of non-standard device types isn't guaranteed.

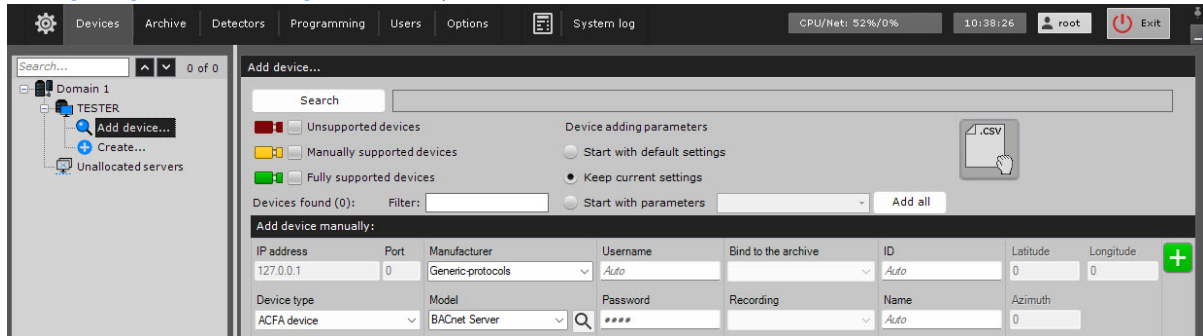
## 2 Supported hardware and licensing of the BACnet Server integration module

|                                       |                                                                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name of the integration module</b> | <a href="#">BACnet Server</a>                                                                                                                          |
| <b>Functionality</b>                  | The <b>BACnet Server</b> integration module allows you to perform data exchange and data processing between <i>Axxon One + ACFA</i> and BACnet devices |
| <b>Licensing</b>                      | Per each device ( <b>ACFASensor</b> )                                                                                                                  |
| <b>Type of integration</b>            | <b>Universal protocol (BACnet)</b>                                                                                                                     |
| <b>ACFA version</b>                   | <a href="#">14.0</a>                                                                                                                                   |

### 3 Adding the BACnet Server integration module

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

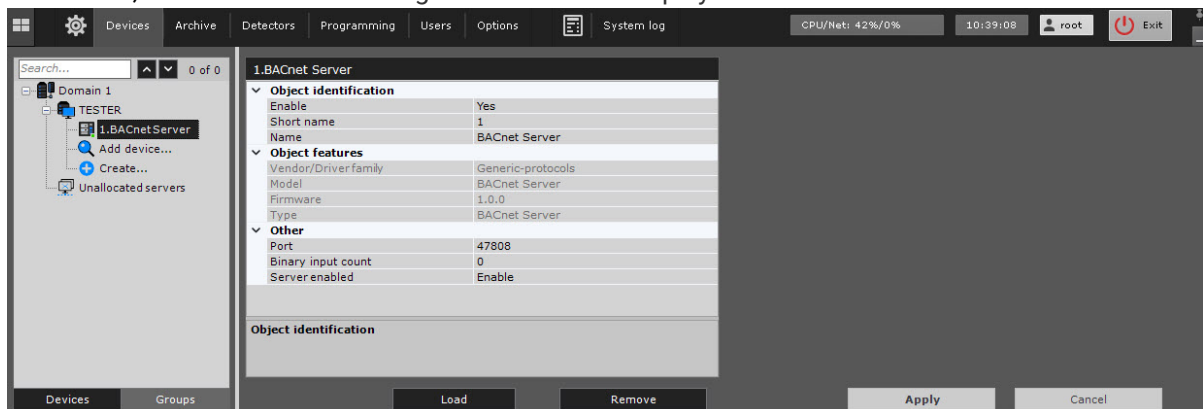
1. Add the device to the system manually using the IP Device Discovery Wizard (see [Searching, adding, configuring, and removing IP devices](#)).



2. From the **Device type** drop-down list, select the **ACFA device**.
3. From the **Manufacturer** drop-down list, select **Generic-protocols**.
4. From the **Model** drop-down list, select **BACnet Server**.

5. Click the  button.

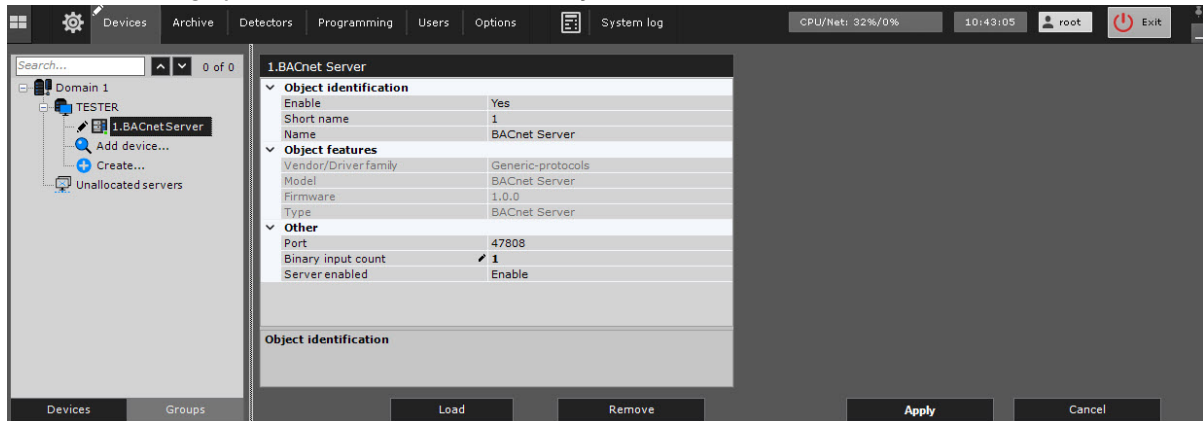
As a result, the **BACnet Server** integration module is displayed in the hardware tree.



## 4 Configuring the object of the BACnet Server integration module

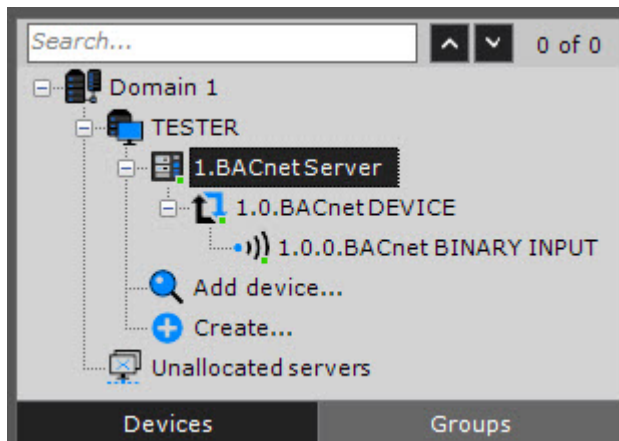
o configure the object of the **BACnet Server** integration module, do the following:

1. Go to the settings panel of the **BACnet Server** object.



2. In the **Port** field, specify the number of the port for connection to the BACnet device. The default value is **47808**.
3. In the **Binary input count** field, specify the count of binary input of the BACnet Server. The default value is **1**.
4. Select **Disable** from the **Server enabled** drop-down list if you need to disable the BACnet server. The default value is **Enable**.
5. Click the **Apply** button to save the settings.
6. Click the  button and select **Get configuration** from the drop-down list.
7. Click the **Apply** button to save the settings.

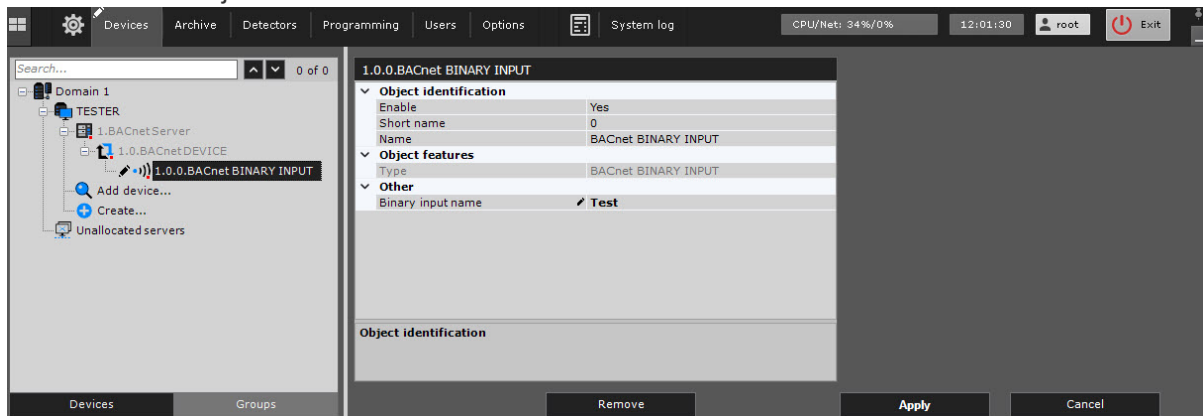
Configuration of the object of the **BACnet Server** integration module is complete. As a result, a hardware tree is read:



## 4.1 Configuring the binary input of the BACnet Server integration module

To configure the **BACnet BINARY INPUT** object of the **BACnet Server** integration module, do the following:

1. Go to the settings panel of the **BACnet BINARY INPUT** object that is created on the basis of the **BACnet Device** object.



2. In the **Binary input name** field, specify the name of the binary input.
3. Click the **Apply** button to save the settings.

Configuring the binary input of the **BACnet Server** integration module is complete.

## 5 Working with the BACnet Server integration module

### 5.1 General information about working with the BACnet Server integration module

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

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

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

### 5.2 Configuring macros when working with the BACnet Server integration module



[Programming](#)

[Macros control](#)

When working with the **BACnet Server** integration module, you can configure a macro that triggers when an event is received from **BACnet Server**.

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

Example of a configured macro:

Name:  Working mode

☐ Add to menu

Start conditions

ACFA: Events: BACnet Server: BACnet BINARY INPUT

Start conditions

ACFA: Events: BACnet Server: BACnet BINARY INPUT

Domain 1: Devices: TESTER: 1.BACnet Server: 1.0.BACnet DEVICE: 1.0.0.BACnet BINARY

Event

+ Add event filter

Show map

Automatically open layout with map: Test

Specify monitor number

Role

Map

5.3 Managing the object of the BACnet Server integration module

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

The following states of the object of the **BACnet Server** integration module are possible:

|                                                                                     |              |
|-------------------------------------------------------------------------------------|--------------|
|  | Connected    |
|  | Disconnected |
|  | Unknown      |

5.4 Managing the device of the BACnet Server integration module

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

The following states of the **BACnet DEVICE** object of the **BACnet Server** integration module are possible:

|                                                                                   |              |
|-----------------------------------------------------------------------------------|--------------|
|  | Connected    |
|  | Disconnected |
|  | Unknown      |

## 5.5 Managing the binary input of the BACnet Server integration module

You can manage the binary input of the **BACnet Server** integration module in the **Map** and **Equipment Board** interface object using the function menu of the **BACnet BINARY INPUT** object. To open the menu of the **BACnet BINARY INPUT** object, right-click the corresponding object. The command to manage the property of the **BACnet Server** integration module is described in the table:

| Menu command       | Function                     |
|--------------------|------------------------------|
| <b>Set online</b>  | Set the binary input online  |
| <b>Set offline</b> | Set the binary input offline |

The following states of the **BACnet BINARY INPUT** object of the **BACnet Server** integration module are possible:

|                                                                                     |         |
|-------------------------------------------------------------------------------------|---------|
|  | Online  |
|  | Offline |
|  | Unknown |