

## Devices and links



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- [Adding network hosts](#)
  - [Device adding procedure](#)
- [Link addition](#)

## Adding network hosts

**InfiMONITOR NEXT** provides automatic, continuous device discovery. The connections of the devices already added to the monitoring system are continuously investigated. Thus, for monitoring the subscribers of the base station sector, it is enough to add only the sector itself. When a new subscriber is connected to the sector, it will be detected and added automatically, in case there is the network connectivity between a monitoring system and a discovered device. You can manage the function in [System configuration](#) section.

There is also the possibility to add devices to the monitoring system manually. In this case, the devices can be immediately added to the desired device group, while an automatically detected device will be added to the special group for auto-discovered devices, which is defined in [Installation wizard](#).



### NOTE

Before adding network nodes to the system, enable the SNMP support on each device. This process is described in the "[Wireless devices preparation](#)" section.



### NOTE

The following networks are reserved by InfiMONITOR NEXT and unavailable for monitoring:

- 172.17.0.0/16
- 172.18.0.0/16

Please change your IP addresses of your wireless units if they are placed in these networks.

To add network hosts, go to the "Management" section. This section provides a list of all the devices and groups added previously. The following parameters are displayed:

- **Host** - the device's name.
- **Status** - current device status.
- **Family** - the product family of this device model.
- **IP address** - device IP address list.

Adding new devices using jobs. To create a new job for adding devices, click on the "Add Hosts" button. In the "Information" section select the device type:

- **Unicast** - add one device by its IP address.
  - Specify the device's IP address.
- **Network** - add multiple devices from a specific subnet.
  - Specify the IP address and the network mask.
- **Range** - add multiple devices over a range of IP addresses.
  - Specify the first and the last IP addresses of the range.

Add Hosts

Information

Device groups

Type

Unicast

Network

Range

IP address

192.168.103.82

Figure - job for adding devices

Then go to the "Device Groups" section and select the group to which the devices added in this job should be placed. Devices not covered by the job, but discovered through this process will be placed to the special group for auto-discovered devices.

To start the task, click on the "Create job" button.

Device adding procedure

A network node is not added immediately, but only after polling. The procedure is implemented in the following way:

- 1. After creating a job, the network nodes are queued for polling. At this stage, they are not yet added to the monitoring system and will not be reflected in the general list.
- 2. InfimONITOR NEXT will add a network node to the polling queue.
- 3. The device will be added to the monitoring system only after a successful SNMP polling.
- 4. If monitoring system could not access the network node via SNMP, then the polling of this device will be stopped.

To view the job status, click on the "Jobs" button and select the appropriate job in the list:

[← Hosts list](#)

Jobs

Type	Status	Start time	Finish time
28 Jan 2022, Friday			
Host discovery	Completed	01/26/2022 15:15	01/26/2022 15:
Host discovery	Completed	01/26/2022 14:59	01/26/2022 14:

Figure - job for adding devices

Detailed information about the job will be displayed on the right.

Host discovery	
Information	
Start time:	10/19/2020, 11:22:00
Finish time:	10/19/2020, 11:22:00
Author:	admin
Start ip:	192.168.103.82
End ip:	192.168.103.82
Status:	<b>Completed</b> >

Figure - detailed information about the job

## Link addition

InfIMONITOR NEXT automatically detects the wireless links between network nodes, there is no need to add them manually.