

Accounts and user groups



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InfiMONITOR NEXT is a multi-user system with access rights differentiation. A separate account can be created for each monitoring system operator, to be used for authorization in the web interface.

Access rights

The access rights depend on the user account's role. The roles are as follows:

- **Superadmin** - assumes full access rights and is assigned by default to the "admin" user account. This role is not displayed anywhere, cannot be removed and cannot be assigned.
- **Admin - NEXT** administrator role. The role provides the following access rights:
 - All operations with user accounts and user groups. The exception is the "admin" user account.
 - All operations with the wireless devices.
 - All operations with events.
 - View the monitoring system settings.
- **Operator** - provides the following access rights:
 - View and manage wireless devices.
 - View and manage events.
 - View user accounts.
- **Observer** - assigned by default to all new **NEXT** user accounts. The role provides the following access rights:
 - View the profiles of the wireless devices.
 - View and manage events.
 - View user accounts.

Only one role can be assigned to one user at the same time.

Visibility Area

Visibility areas are a restrictive add-on for access rights. The visibility area limits the list of wireless devices that the user can access. The list of the available devices is determined by groups of devices assigned to a user account or to a group of accounts. Thus, the user will have access only to those devices that are included in the device groups assigned to him or in the users group he belongs to. The visibility area is also determined by the role:

- Superadmin and Admin - full visibility, a user will always see all devices.
- Operator and Observer - zero visibility, a user will only see the devices included in the groups assigned to him.

Let's look at an example:

- The devices HostA and HostB are part of Group1's devices group.
- The devices HostC and HostD are part of Group2's devices group.
- User UserA has an Operator role and Group1 is assigned to him.
- User UserB has an Admin role and Group2 is assigned to him.

As a result:

- User UserA can only manage the configuration of the HostA and HostB devices. His role assumes the management of the devices, but the visibility area is limited only to Group1.

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- User UserB can perform all the operations with all the devices. His role allows any operation, and the visibility area is not limited. This implies that assigning device groups to a user having an admin role has no sense.

Superadmin account

By default, **NEXT** has a super-administrator account with the name "admin" that has a following features:

- This administrator account cannot be changed.
- This admin account can not be removed.
- This administrator account always has a Superadmin role.

User account management

Click on "Users" at the top menu to proceed to the user account management section.

By default, the section displays a list of groups and user accounts. For each account, the following values are displayed:

- **Role** - current user role.
- **Name** - user name.
- **Login** - user login.
- **Email** - user email address.
- **Source** - account source:
 - NMS - local user account.
 - LDAP - account obtained from the directory server using the LDAP protocol.

The screenshot shows the 'Users list' interface. At the top, there are three buttons: 'Add group', 'Add user', and 'Refresh'. Below the buttons is a search bar with a magnifying glass icon and the text 'Search'. To the right of the search bar is a toggle switch labeled 'Activated only' with a radio button set to 'No'. The main content is a table with the following columns: Role, Name (with a dropdown arrow), Login, Email, and Source. The table is divided into two sections: 'Administrators (2)' and 'Operators (2)'. The 'Administrators' section contains two rows: 'admin' (role: Administrator, login: admin, email: admin@localhost, source: NMS) and 'adminka' (role: Administrator, login: adminka, email: infimonitor@infinetwireless.com, source: NMS). The 'Operators' section contains two rows: 'Aliya' (role: Operator, login: aliya, email: aliy-dav@infinet.ru, source: NMS) and 'Mr. Infinet' (role: Operator, login: mr.infinet, email: test@test.com, source: NMS).

Role	Name	Login	Email	Source
Administrators (2) Administrative accounts				
	admin	admin	admin@localhost	NMS
	adminka	adminka	infimonitor@infinetwireless.com	NMS
Operators (2)				
	Aliya	aliya	aliy-dav@infinet.ru	NMS
	Mr. Infinet	mr.infinet	test@test.com	NMS

Figure - List of users accounts and groups

User groups

Groups are necessary to effectively manage the visibility areas of **Infimonitor NEXT** users. Each user group can be assigned to one or more device groups. Thus, the visibility area of the group users will be extended to all the devices included in the device groups assigned to this user group.

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- Each user must be included in at least one user group.
- By default, in the monitoring system the "**Administrators**" group is created, having included the user with Superadmin role.

User group creation

To create a new user group, click on the "**Add group**" button. A form will appear on the screen containing the following fields:

- **Name** - user group name.
- **Description** - arbitrary group description.
- **Devices groups** - the list of devices groups that will be included in the visibility area of new user group.
- **Users** - the list of user accounts included in the group.

Fill these fields and click on the "**Save**" button to add a new group.

← Users

New Group

Name

Description

Devices groups Groups not selected

Users Users not selected

Figure - Add user group

Remove users groups

In order to be able to delete a user group, it must not contain user accounts. Move all users of the group need to be removed to another group, then select the group and click the "Delete" button.

Create a user account

To add a new user account, click on the "**Add User**" button. A form will appear on the screen containing two sections:

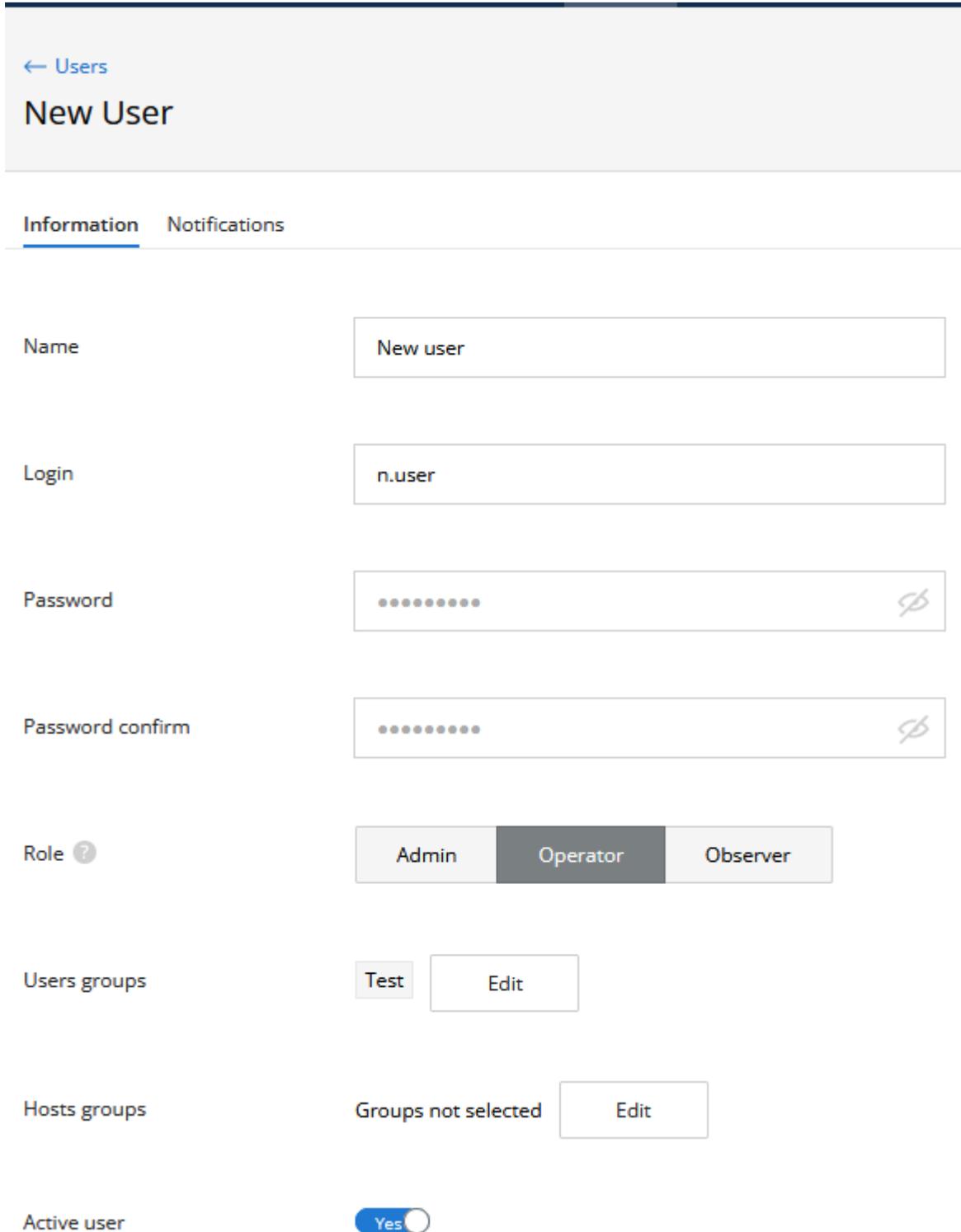
- Information - basic user account settings:
 - **Name** - an arbitrary user name, such as his first and last name.
 - **Email** - the email address of the user to which notifications will be sent.
 - **Login** - user login used for authentication.
 - **Password** and **Password confirm** - account password and confirmation.
 - **Role** - account role.
 - **User groups** - the list of groups where the account is included.

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- **Hosts groups** - the list of devices groups that will be included in the user's visibility area.
- **Active user** - activation/deactivation flag of the user account. A user with a deactivated account will be denied the access to the NEXT web interface.

There is field "Email" in "Notifications" section must be filled. This email will be used for user notifications.

To apply the changes, click the "Save" button.



← Users

New User

Information Notifications

Name

Login

Password

Password confirm

Role ? Admin Operator Observer

Users groups

Hosts groups

Active user Yes

Figure - Create user account

Assigning device groups

Assigning device groups is possible only for an account that has already been created.

Select the account to which the device groups should be assigned. A block with information about the selected group and management options will appear on the right. Go to the "Devices" section where all the assigned device groups are displayed. To assign a new group, click on the "Add groups" button and in the new window, check all the groups that should be assigned to the selected user account.

To deselect, click on the corresponding device group again. To apply the changes, click "OK" and then "Save".