How To Use Device Inventory In Nagios Network Analyzer 2026R2

Purpose

This document describes how to use the Device Inventory feature introduced in Nagios Network Analyzer (NNA) 2026R2.1+.

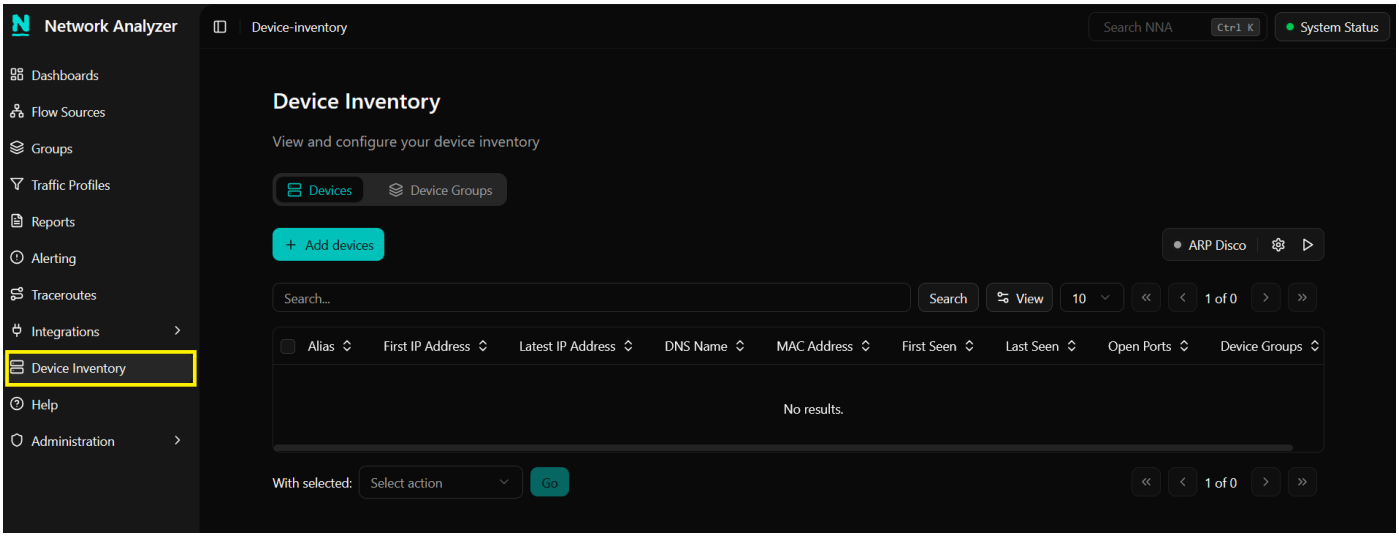
Device Inventory enables you to cultivate a directory of devices on your network, and optionally assign an Alias to them for easy identification. You can add devices to your inventory manually, or use the results of Nmap scans. There is also an ARP discovery daemon which can be used to discover devices, detect network changes, and alert on them.

Your Device Inventory can be cross-referenced when viewing Sources, Nmap, Suricata, and Wireshark data (see the related guides for full details).

A collection of Device Inventory checks are also included, providing a way to generate alerts for things like IP-MAC changes, Open Ports changes, DNS Name changes, and when devices were first or last seen.

Finding Device Inventory

To being, navigate to the **Device Inventory** menu from the main lefthand navigation bar.



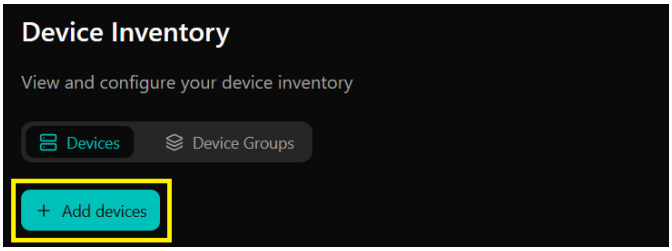
Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.

Devices Tab

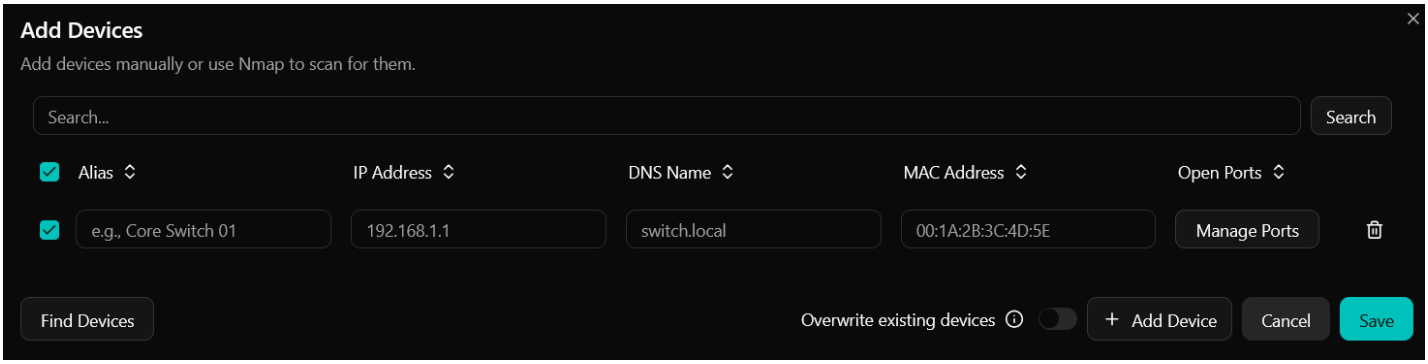
In the Devices tab, you can add, view, and manage devices in your inventory.

Adding Devices

To add new devices to your inventory, click **+ Add devices**.



You can now add devices manually, or via Nmap assuming you have loaded the integration.



Adding Devices Manually

To add a device manually, enter it's information in the table. **Manage Ports** on the far right of each row can be used to add listening ports.

To manually add multiple devices at once, click **+ Add Device** as needed to create additional device entry rows.

Enable **Overwrite existing devices** to replace any devices already in your inventory that have the same MAC address as one in the Add Devices table.

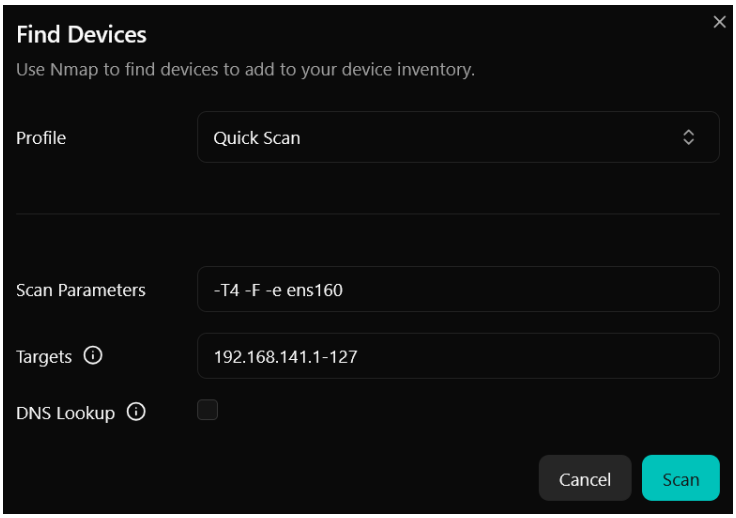
Once you're finished creating the list, click **Save** to add the new devices.

Nagios®
Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.

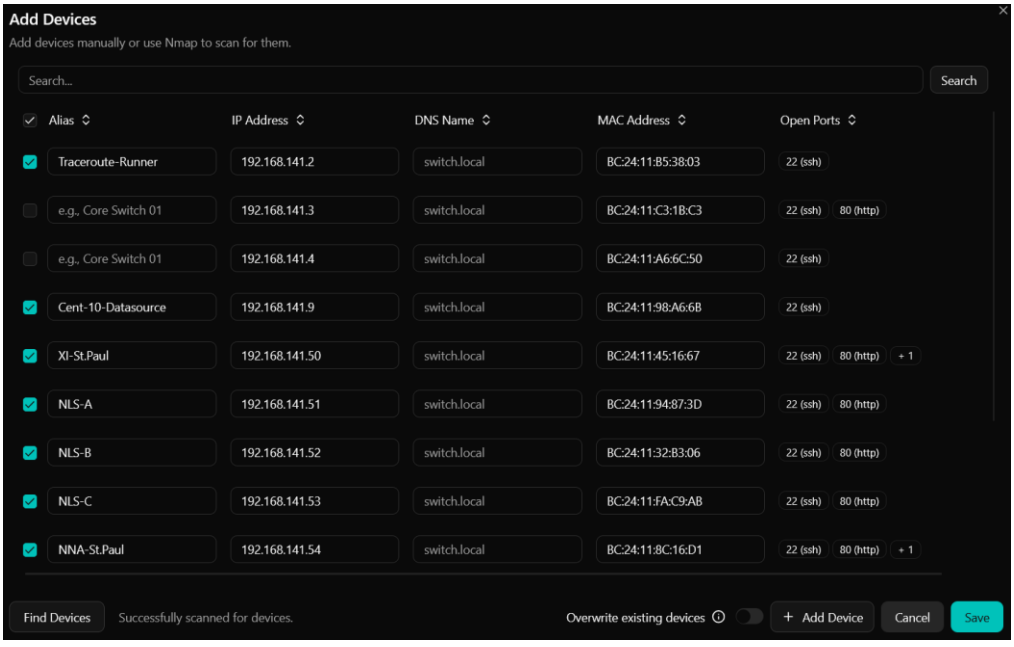
Adding Devices with Nmap

To add devices based on an Nmap scan, click **Find devices**.

Next, define the scan settings, then click **Scan**.

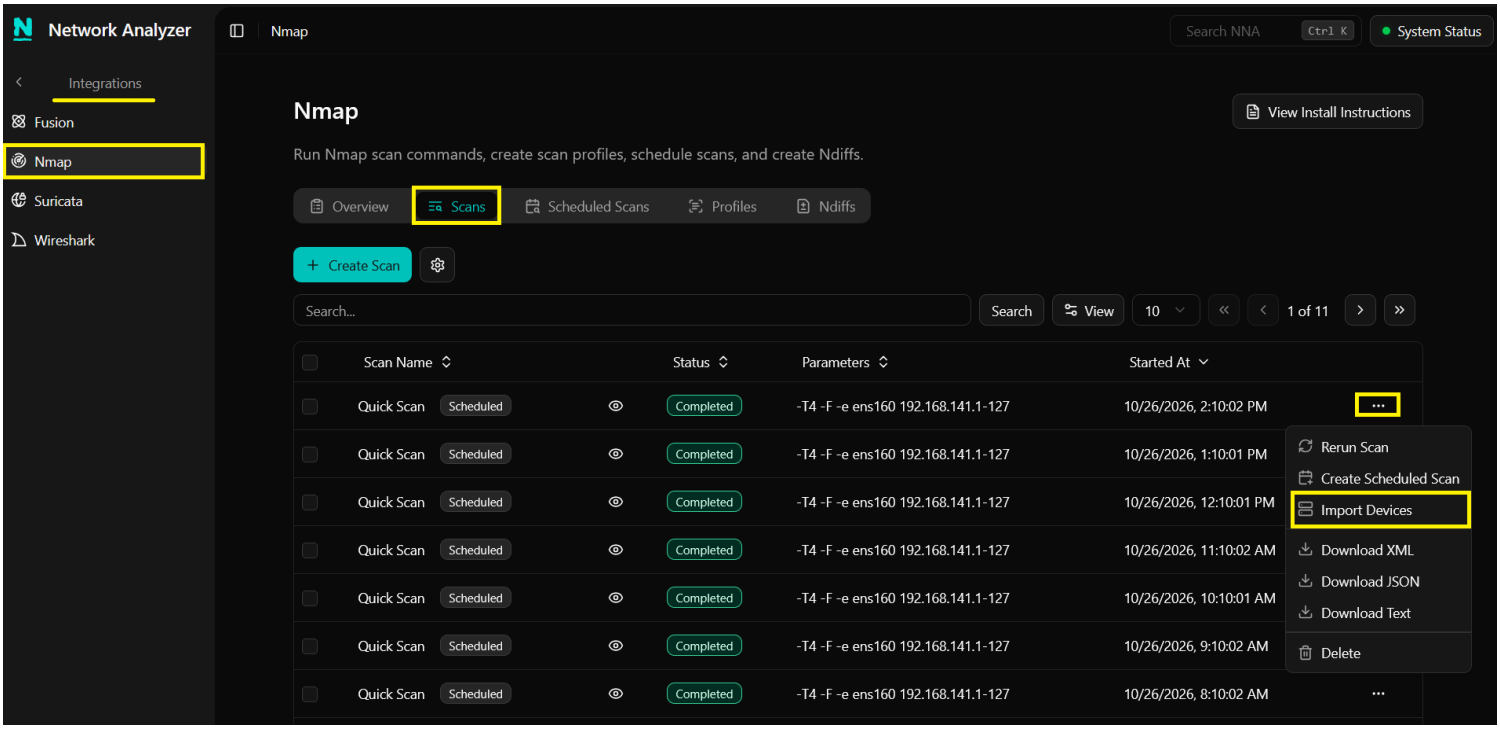


Once the results display, you can customize the fields, and choose which to add to your inventory with the lefthand checkboxes. Once you've made your selections, click **Save**.



Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.

Alternately, if the device data you'd like to add is already present in an Nmap scan, you can navigate to the **Scans** tab at **Integrations > Nmap**, then click the Actions icon to the right of the target scan, and select **Import Devices**.



ARP Discovery Settings

The ARP discovery daemon can be used to automatically discover devices and detect changes in your network via the Address Resolution Protocol.

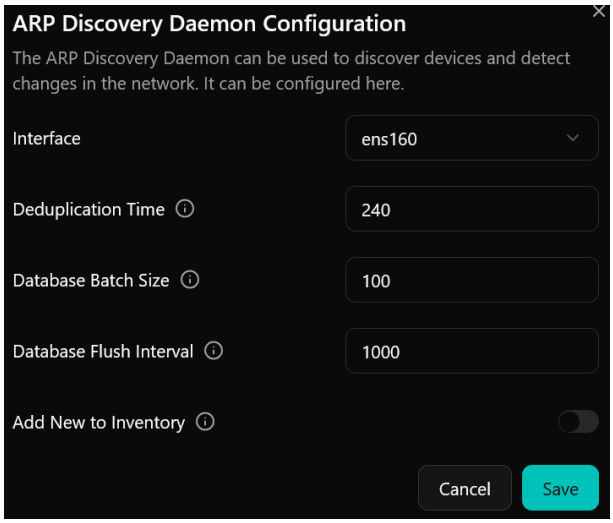
To configure it, click the gear icon next to **ARP Disco** on the top right of the Devices tab.



Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.

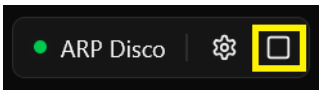
Next, configure the options:

- **Interface**
- **Deduplication Time**: how long in seconds the daemon waits before logging the same IP and MAC again. Duplicate sightings within this window are ignored. This can affect last seen accuracy.
- **Database Batch Size**: maximum number of rows written in one database statement. Larger batches mean fewer queries.
- **Database Flush Interval**: Maximum time in milliseconds to wait before writing a partial batch.
- **Add New to Inventory**: if enabled, the daemon will automatically add new devices to your inventory. If disabled, the daemon will only update existing devices in your inventory.



Finally, click **Save**, and the daemon will start.

To turn the ARP discovery daemon **on/off** at any time, click the **start/stop** button.



To edit your daemon settings, click the gear icon again.

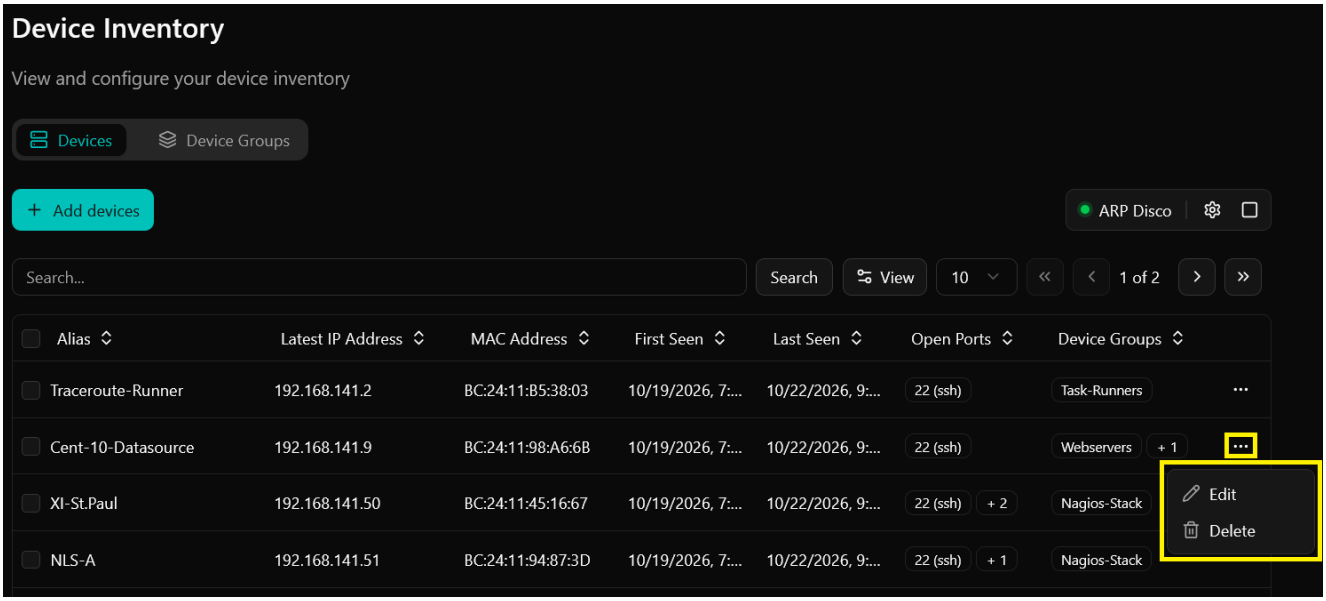


Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.

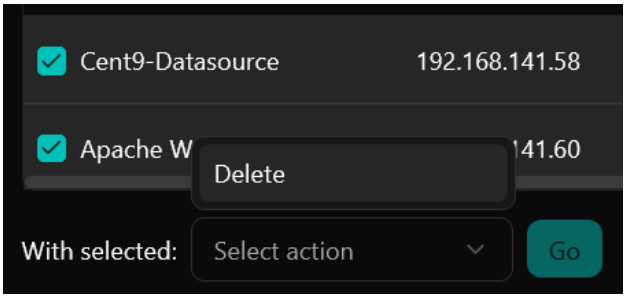
Managing Your Device Inventory

Editing and Deleting Devices

To edit or delete a device in your inventory, click the **Actions** icon on the far right of an entry, then choose your option.



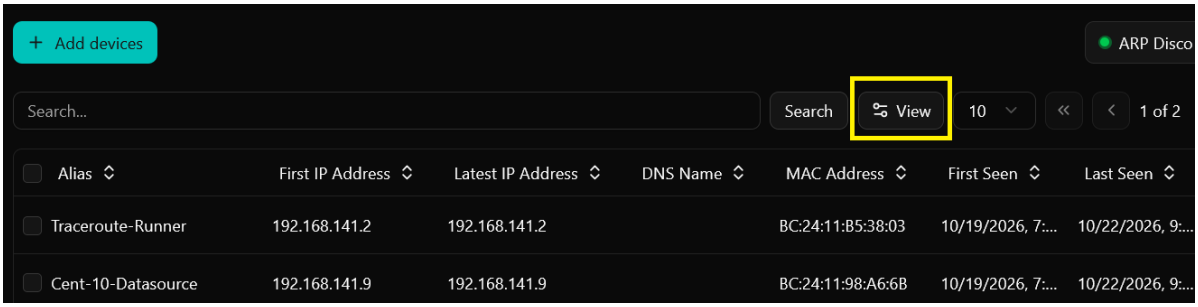
You can **delete** multiple entries by clicking their checkboxes, then using the **With selected** dropdown below the table.



Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.

Adjusting the Table

To adjust the columns shown in the Devices table, use the View button:

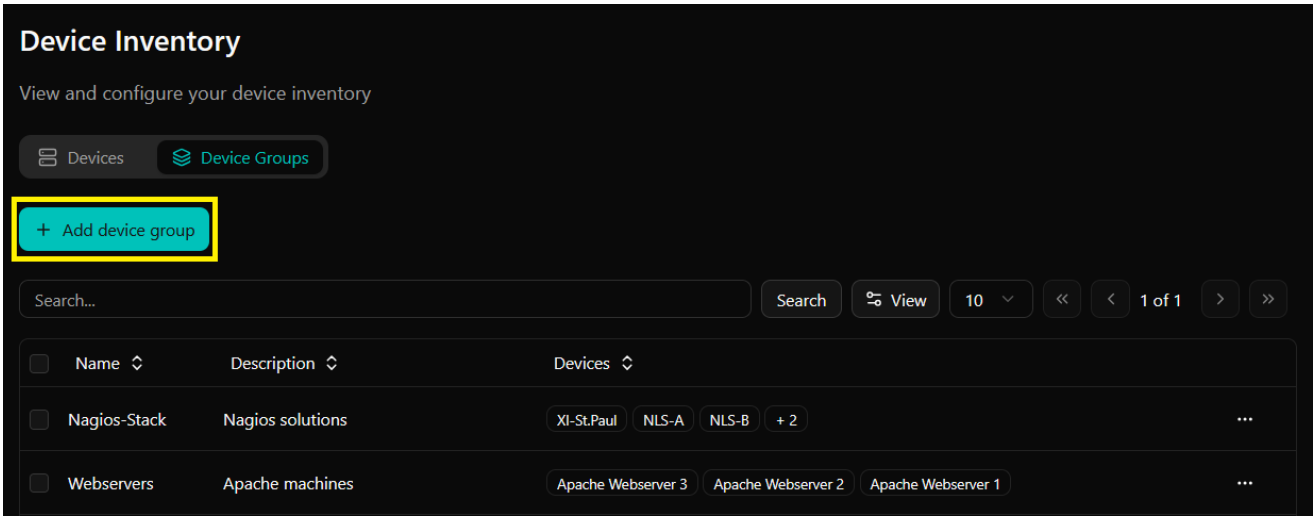


Device Groups Tab

Device Groups provide a way to organize your devices into logical groups, enabling you to configure alerts targeting specific subsets of your inventory.

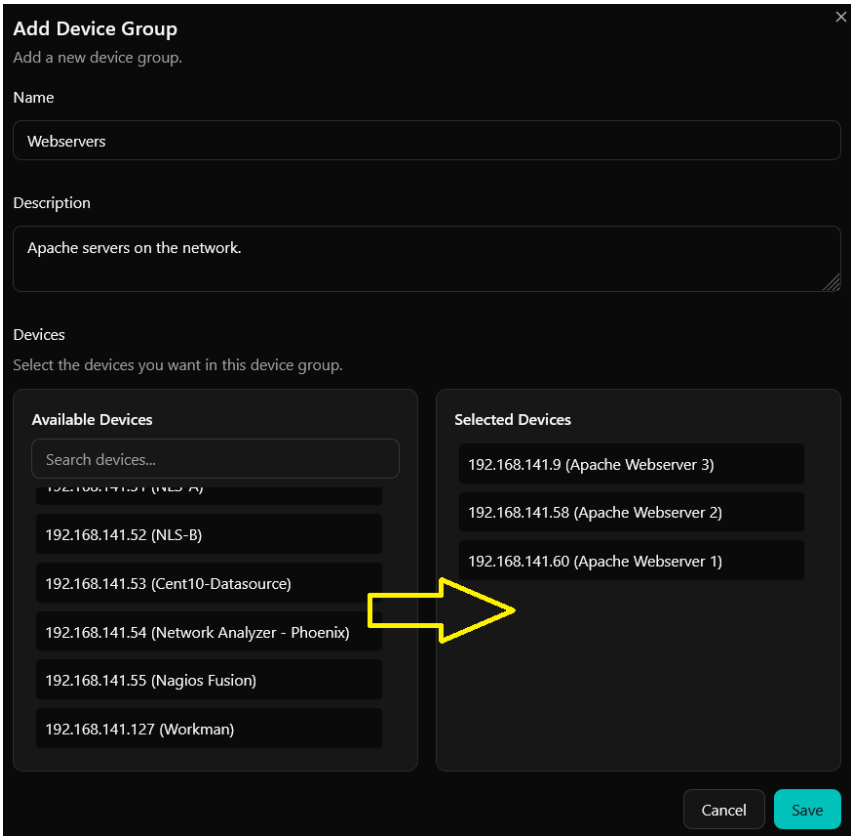
Creating Device Groups

To create a device group, click **+ Add device group**.



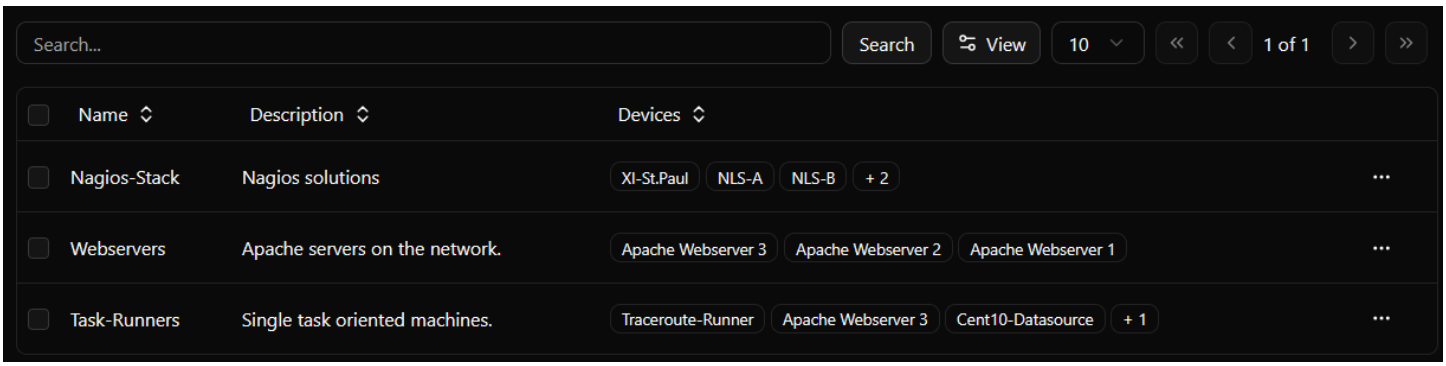
Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.

You will presented with the Add Device Group menu. Here you can define a name and description for your group, and add known devices to the group.



Click **Save** when finished to create your group.

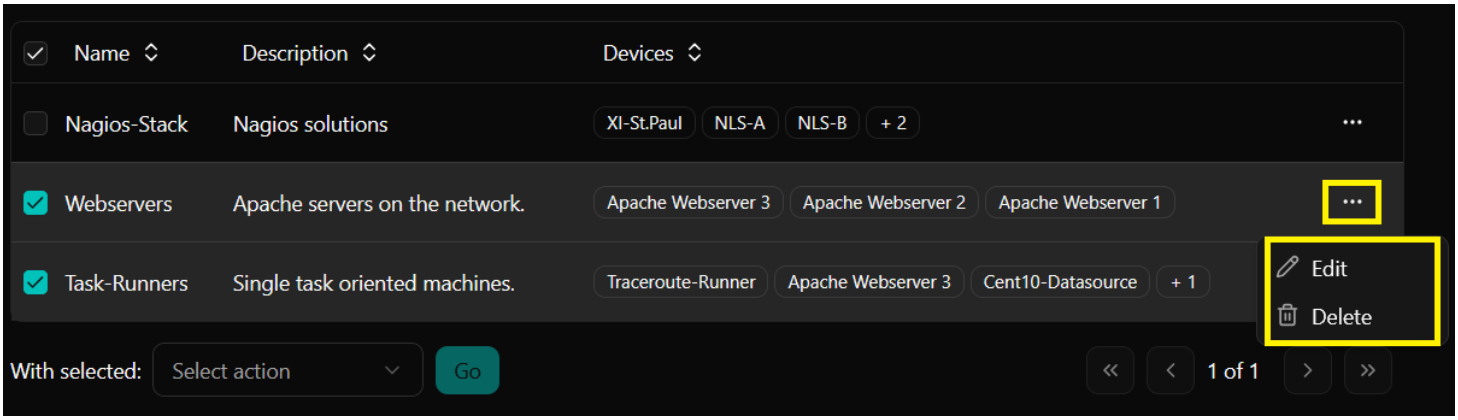
Your group will now appear in the table:



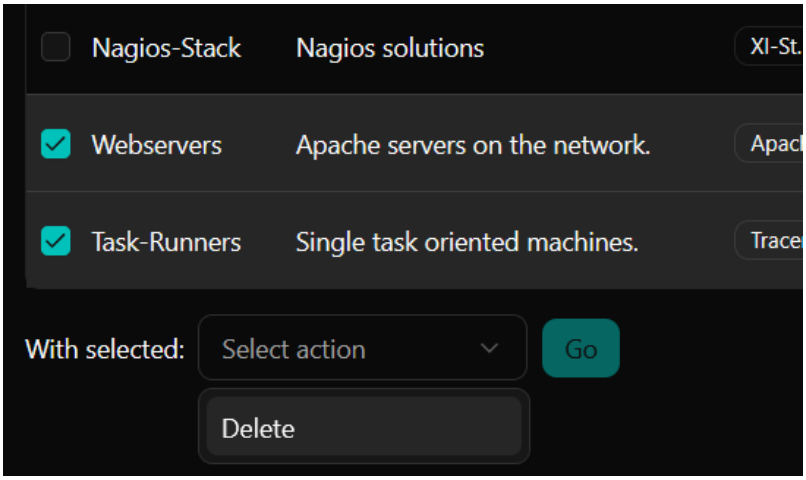
Nagios®
Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.

Managing Device Groups

To edit or delete an individual group, click the Actions icon to the right of the group in the table, then select your option.



To delete multiple groups, click the checkbox to the left of any you want to delete, then use the With selected dropdown below the table.



Device Group Alerting

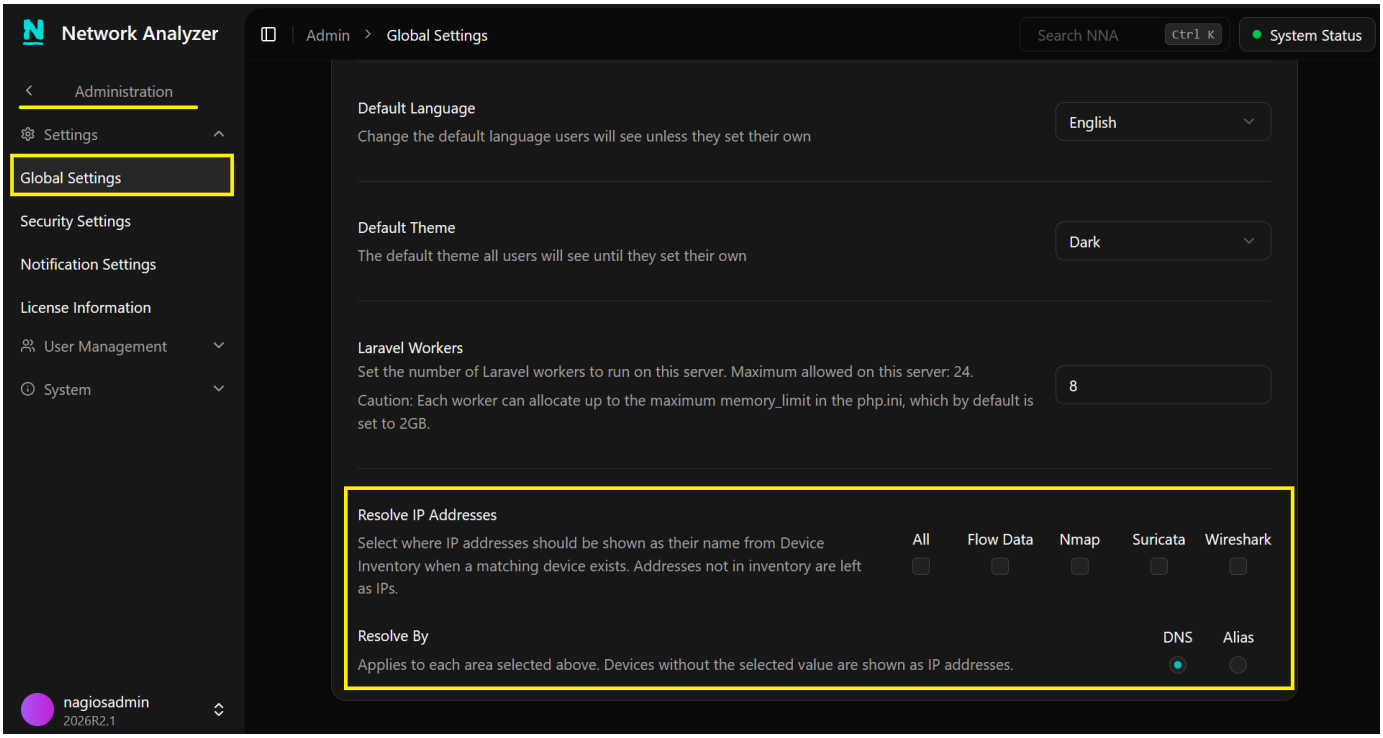
You can find full details on configuring alerts for Device Inventory events like IP-MAC changes, DNS Name changes, Open Ports changes, and when devices were first or last seen beginning on page 17 here:

Understanding Alerting in Network Analyzer

Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.

Resolving IP Addresses

To resolve IP addresses in various areas of NNA based on Device Inventory data, navigate to **Administration > Global Settings**, and scroll to the bottom of the menu.



In the **Resolve Ip Addresses** section, choose which components (Flow Data, Nmap, Suricata, Wireshark) should show IP addresses as their name from Device Inventory if there is a matching inventory device using the checkboxes.

In the **Resolve By** section, choose whether to resolve by *DNS name* or the custom *Alias* you've defined for the device.

Finishing Up

This completes the documentation on Using Device Inventory in Nagios Network Analyzer 2026R2.

If you have additional questions or other support-related questions, please visit the Nagios Support Forum, Nagios Documentation Hub, or Nagios Library:

Visit Nagios Support Forum Visit Documentation Hub Visit Nagios Library

Nagios®
Copyright © 2026 Nagios Enterprises, LLC. All rights reserved.
Trademarks are the property of their respective owner.