How To Use the Map Panel in Nagios Log Server 2024R2 Dashboards

Purpose

This document describes how to use the Map panel type in Nagios Log Server **2024R2.0.3+.** For general information on analyzing data with Dashboards and Queries, please refer to:

[Analyzing Logs with Nagios Log Server](#)

The Map panel enables you to visualize your log data using geolocation data associated with your logs by incorporating a map panel with pins into a dashboard. A common use case is analyzing web server logs to get the locations of web clients accessing a web server from around the world.

Initial Setup

Nagios Log Server comes with the Logstash GeoIP plugin pre-installed. The GeoIP plugin resolves IP addresses to a latitude/longitude pair (depending on the geoip database, it can add country, state, city, and even ISP information as well) that can be displayed on a map.

Log Server (as of version 2024R2.0.3) also automatically includes a GeoIP Filter that can be activated to attach GeopIP data to an HTTP server log entry.

Further information can be found at the [Logstash GeoIP plugin documentation](#) page.
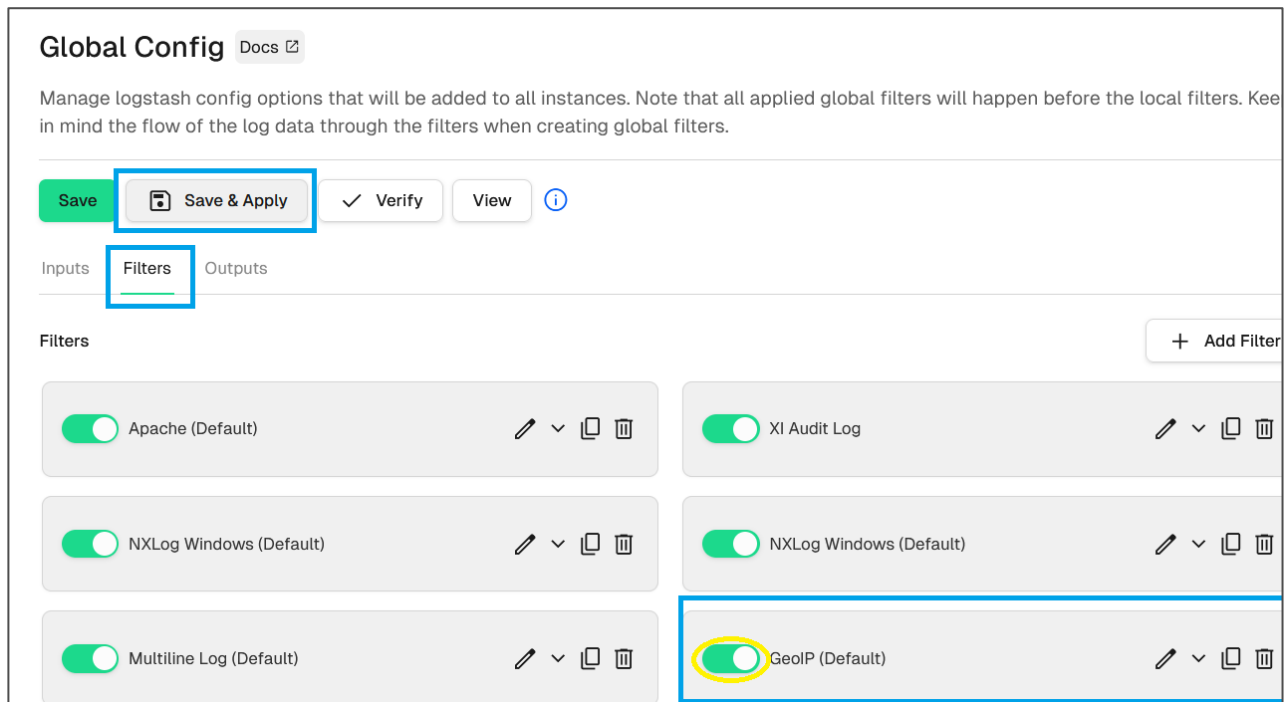
Enabling the GeopIP Filter

To use the Map panel, you'll need to enable the built-in GeoIP Filter.

1. Navigate to **Admin > Logstash Configuration > Global Config**
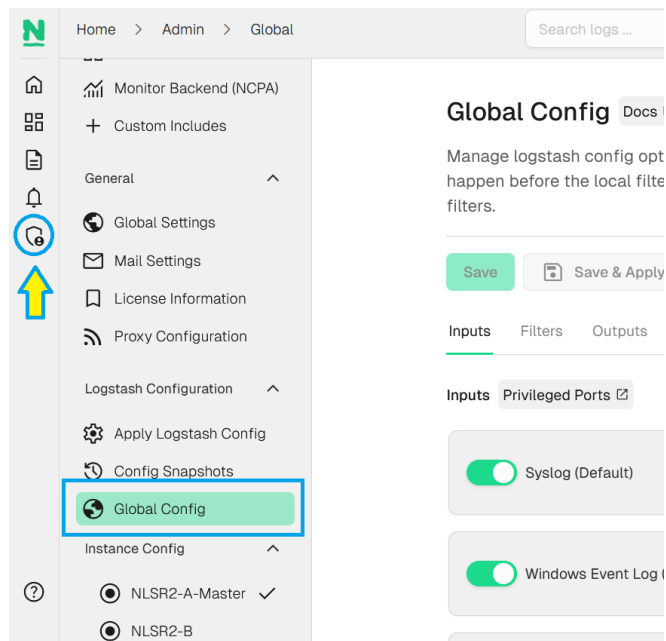
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2. Goto the **Filters** tab
3. Toggle the **GeoIP (Default)** Filter to On.
4. Click the **Save & Apply** button so save the change and update the Logstash configuration.

If a given log entry results in a geoip location match, the geoip plugin will populate the `geoip` field in the log entry with as much information as it can acquire. Refer to the [Logstash Geoip plugin documentation](#) for further information on configuring the plugin, including what fields to use, and additional geoip data sources that may be available for a fee from third-party providers.

Next, we'll create a new Map panel.

Creating a Map

1. Select a dashboard, or create a new dashboard from the Empty Dashboard, to add a map to.

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2. Add a new row if desired or necessary. Click the **Add Panel** Button:

3. Give it a title, and ensure that the field selected is has the lat and lon subfields. The default field that the geoip plugin populates with this data is `source.geo.location`. You can change it as necessary for your situation.

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4. Click the **Save** button to add the panel to your dashboard.
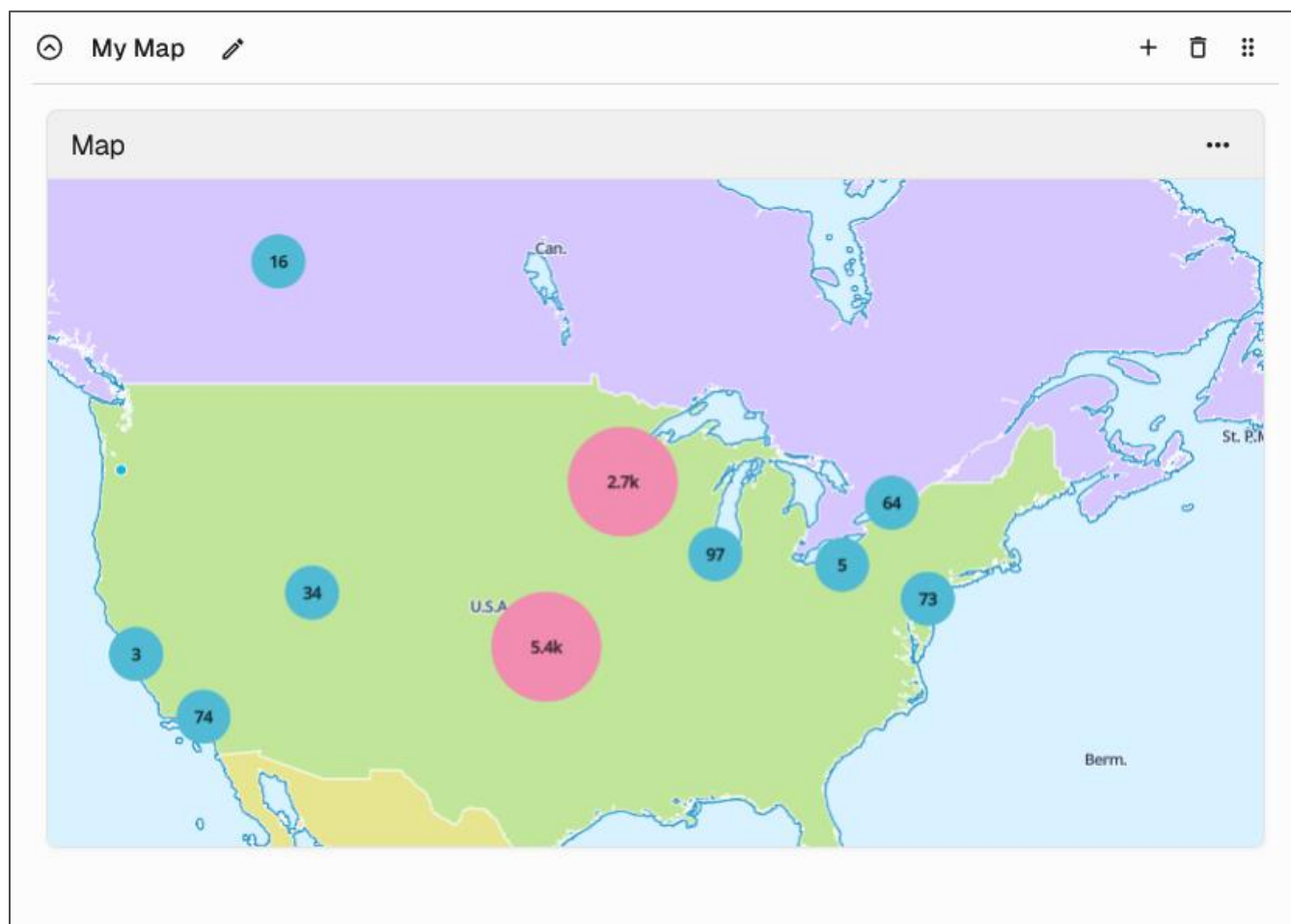
The Map Panel comes preconfigured to use the demonstration map tiles from maplibre.org. These demonstration tiles are detailed to the level of country boundaries. If you wish to get more detail than this, you can supply a source URL and an API token for any map data source that conforms to the MapLibre Style Specification. These data providers may require an additional cost.

Finishing Up

This completes the documentation on using the Map Panel in Nagios Log Server 2024R2. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

Visit Nagios Support Forum   Visit Nagios Knowledge Base   Visit Nagios Library

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