

How To Use AI Queries In Nagios Log Server 2024R2

Purpose

This document describes how to use natural language processing (NLP) queries in Nagios Log Server 2024R2.

In Nagios Log Server 2024R2, you have the ability to build queries using natural language processing (NLP). This enables you to write English statements that will be transformed through the use of AI into usable queries.

Disclaimer: By using the Natural Language Queries feature, you acknowledge that the outputs from generative AI models might not always be accurate or useful. They can sometimes generate results that are unexpected, inappropriate, or offensive. Use this feature with caution and always review the generated results. No logs are sent to the API Provider.

Prerequisites

You will need an [OpenAI](#), [Mistral](#), or [Anthropic](#) key. **Using this feature will result in costs incurred via your AI provider.** See their terms for cost structure information.

There is also a [Self-Hosted](#) option using vLLM with the Nagios Enterprises Large Language Model.

Setup

To turn on the Natural Language Queries functionality:

1. Navigate to **Admin > Gobal Settings**.
2. Select 'Yes' in the Natural Language Queries field.
3. Check the disclaimer.
4. Select your AI provider, or select **Self-Hosted** (refer to the [Guide](#) for more details)
4. Enter your AI provider API key, or Server Address and Port for Self-Hosted.
5. Select **Save Settings**.

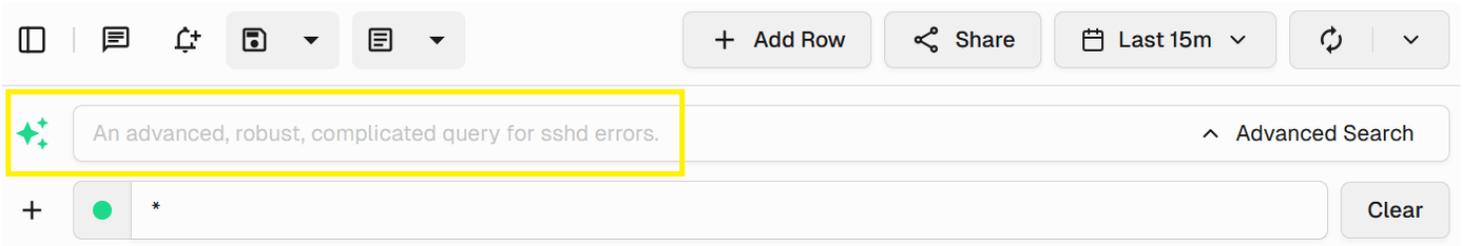
The screenshot shows the 'Experimental Features' section of the Nagios Log Server 2024R2 settings. Under 'Natural Language Queries', the 'Yes' radio button is selected. Below this is a 'Disclaimer' section with a checkbox 'I understand and agree to the disclaimer.' which is checked. Under 'AI Provider', the 'OpenAI' radio button is selected. Below that is a text input field for the 'Openai API Key' which is currently empty. At the bottom of the form is a green 'Save Settings' button.

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Using NLP Queries

To begin, navigate to the **Dashboards** menu.

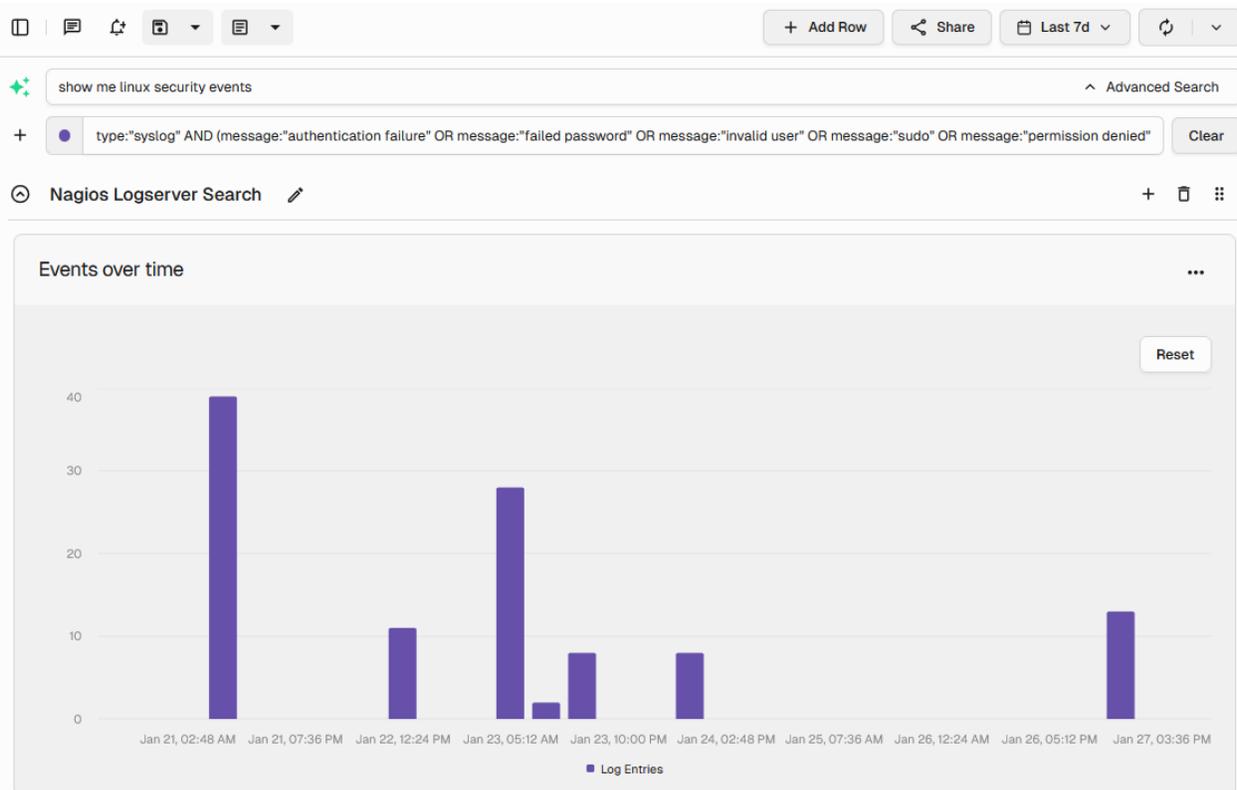
On the Dashboards page, you will now see a new NLP Queries text input box:



Enter the sentence or phrase that you would like to search for in the text box, then press ENTER to view the results.

Example:

Show me linux security events



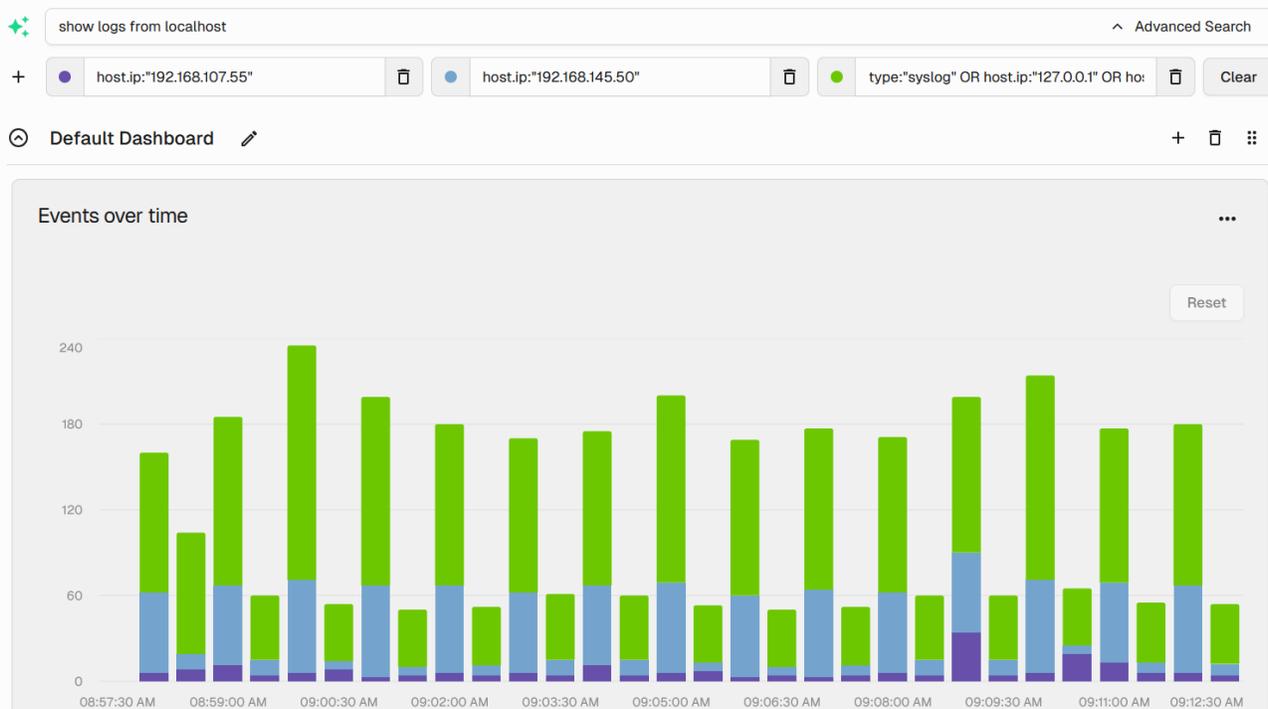
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If you'd like to see the Query that was generated, click **Advanced Search** on the far right of the text box. This enables you to modify the queries manually if you wish, and can serve as a useful query syntax learning tool.

Note that when multiple NLP Queries are run, they will all persist until they are cleared. Here's an example after running three queries in a row:



You can use the trashcan icon to remove a single query, or the Clear button to remove them all. Note that they combine with **OR** statements, so they will show stacked color-coded results in places like the Events Over Time graph:



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It might take some trial and error to find the exact results you want using NLP queries, but they can be a powerful feature.

Finishing Up

This completes the documentation on AI Queries in Nagios Log Server. 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](#)