How To Use NLP Queries In Nagios Log Server 2024

Purpose

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

Nagios Log Server 2024 adds the ability to build queries using natural language processing. This enables English statements to be transformed through the use of AI into usable queries.

Note: This is an experimental feature. 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.

Prerequisites

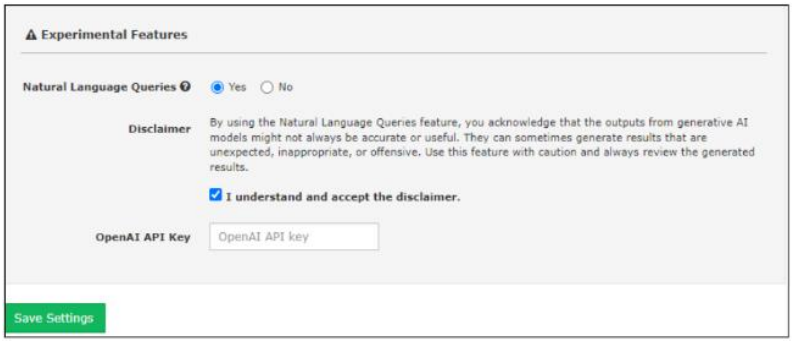
You will also need an OpenAI key.

Note: Using this feature will result in costs incurred via OpenAI. See OpenAI for their cost structure.

Setup

To turn on the Natural Language Queries functionality:

1. Navigate to **Admin > Global Settings**.
2. Select **Yes** in the **Natural Language Queries** field.
3. Check the **Disclaimer** box.
4. Enter your valid **OpenAI API Key**.
5. Select **Save Settings**.



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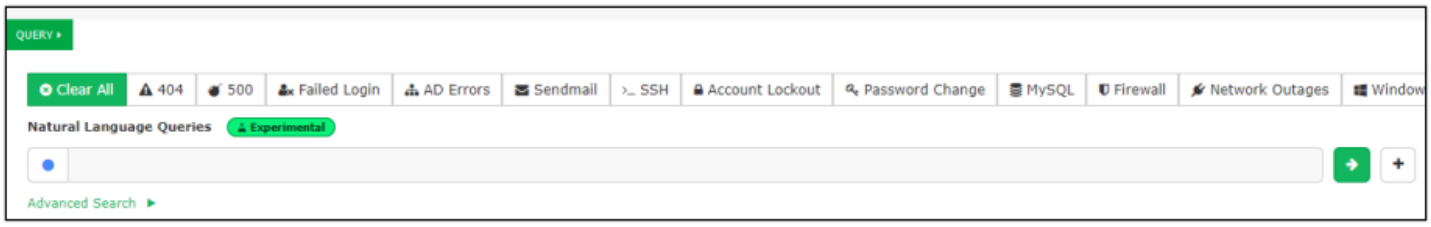
Using NLP Queries

To begin, navigate to **Dashboards**.

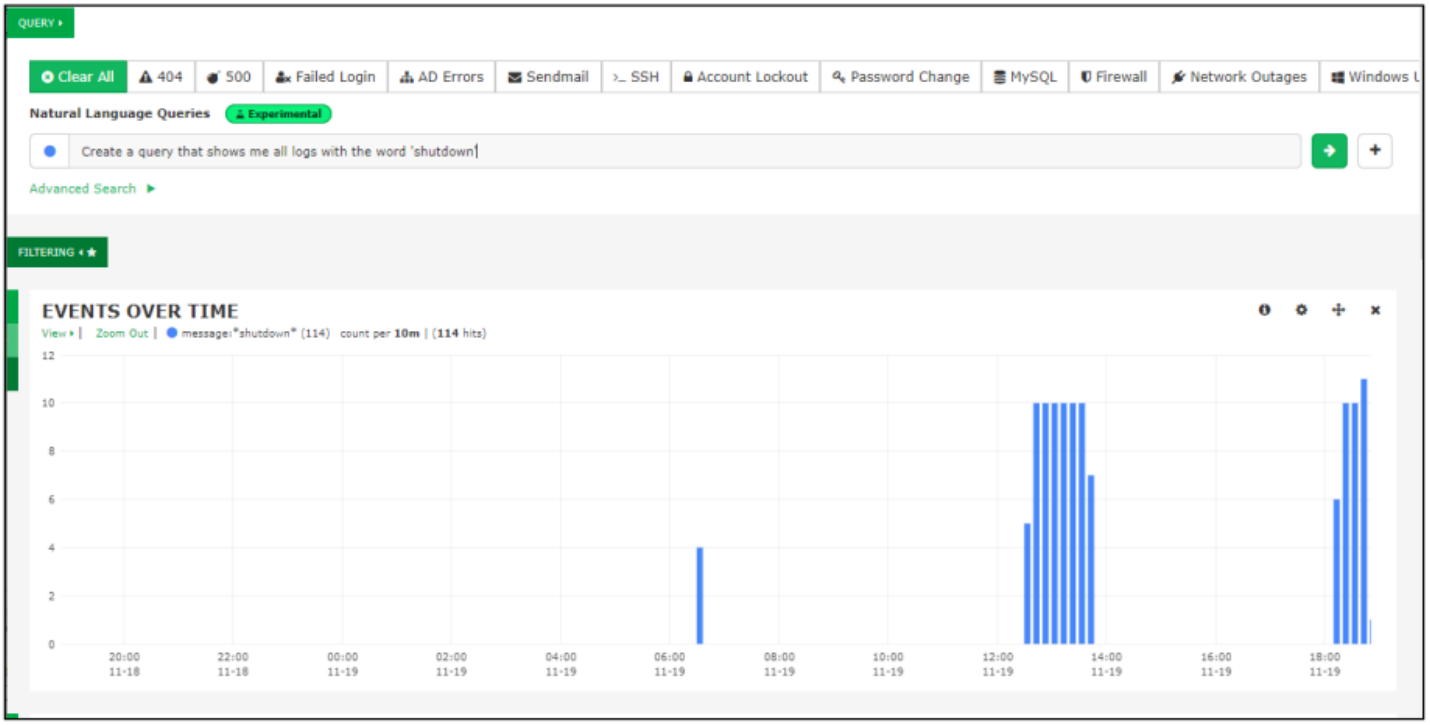
On the **Dashboards** page, the NLP query text input box will display within the **Query** section.



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

Example:

```
Create a query that shows me all logs with the word 'shutdown'
```



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The results of the query will show on the screen, as well as the query in Lucine format. You can manage these NLP queries in the same way you manage all other queries. For more information, view the Managing Queries documentation.

Note: It might take some trial and error to find the exact results you want using the NLP queries.

Finishing Up

This completes the documentation on using natural language processing to generate 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:

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