

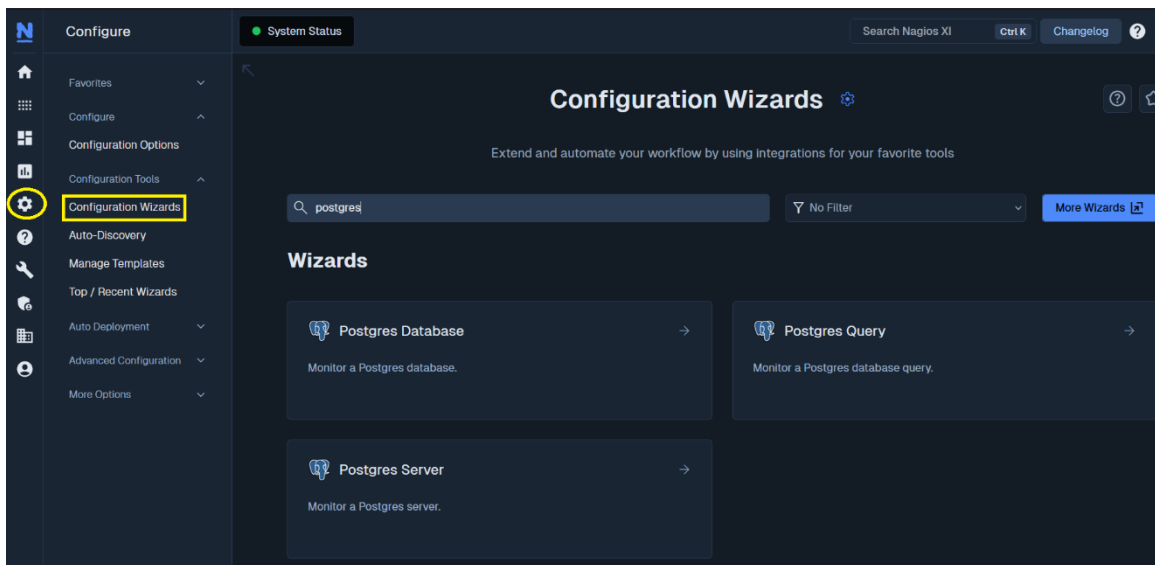
How To Monitor PostgreSQL Databases And Servers With Nagios XI

Purpose

This document describes how to monitor Postgres servers, databases, and queries using Nagios XI's built-in Postgres Database, Server, and Query wizards to check metrics such as connection status, table sizes, sequences, backend connections, WAL files, and custom queries.

Finding the Postgres Wizards

To get started, navigate to **Configure > Configuration Wizards**, and search for postgres:



Wizard Step 1

Step 1 of each Postgres wizard will ask for the same information:

- **Address:** the IP address or FQDN of the Postgres server
- **Port:** the port to connect to when running checks
- **Username:** the username used to connect to the Postgres server
- **Password:** the password used to connect to the Postgres server
- **Database:** the database to connect to on the server

A screenshot of the 'Postgres Database Configuration Wizard' Step 1 form. The form is titled 'Postgres Database Configuration Wizard' with a 'Step 1' indicator. It contains the following fields: 'Address' (192.168.145.123), 'Port' (5432), 'Username' (postgres), 'Password' (masked with dots), and 'Database' (postgres). A 'Next >' button is at the bottom.

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Host Name Note

Step 2 of each Postgres Wizard will ask for the **Host Name**, a friendly identifier for the host object. In the likely scenario that you'd like to add checks from multiple Postgres wizards to a single host, simply use the exact same **Host Name** each time you run the wizards. This will result in all of the service checks appearing under the umbrella of the same host in the XI user interface.

This same principle applies if you'd also like to add additional server status and performance metric checks using other wizards, such as the [NCPA wizard](#).

Wizard Step 2 – Database Wizard

In **Step 2** of the Database wizard, you'll select the database metrics you'd like to monitor, and their thresholds. Available service checks include:

- **Connection Status:** the ability to connect to the database
- **Database Size:** the size of the database
- **Table Sizes:** the size of the DB tables
- **Relation Sizes:** the size of the relations in the DB
- **Sequences:** the percent of remaining sequences in the DB

Postgres Database Metrics

Specify the metrics you would like to monitor for the Postgres database

Make your Selections ⓘ

Selected Metrics

| | | | |
|---------------------|---------|---------|---|
| Connection Status ⓘ | n/a | n/a | × |
| Database Size ⓘ | ⚠ 500MB | ! 1GB | × |
| Table Sizes ⓘ | ⚠ 200MB | ! 400MB | × |
| Relation Sizes ⓘ | ⚠ 50MB | ! 100MB | × |
| Sequences ⓘ | ⚠ 30% | ! 10% | × |

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Wizard Step 2 – Server Wizard

In **Step 2** of the Server wizard, you'll select the server metrics you'd like to monitor, and their thresholds. Available service checks include:

- **Connection Status:** monitor the ability to connect to the server
- **Backend Connections:** the number of connections to the server
- **WAL Files:** the number of WAL files in the pg_xlog directory

Postgres Server Metrics

Specify the metrics you would like to monitor on the Postgres server

Make your Selections ⓘ

Connection Status ⓘ

Backend Connections ⓘ

WAL Files ⓘ

Selected Metrics

| | | | |
|-----------------------|------|------|---|
| Connection Status ⓘ | n/a | n/a | × |
| Backend Connections ⓘ | ⚠ 5 | 🔴 10 | × |
| WAL Files ⓘ | ⚠ 10 | 🔴 20 | × |

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Cancel

Wizard Step 2 – Query Wizard

In **Step 2** of the Query wizard, you'll configure monitoring of a custom query and define the number of matching results over which warning and critical alerts should be generated.

Postgres Query

Specify the details of the query you would like to monitor

Query Name: ⓘ

Test Query

Query ⓘ

SELECT COUNT(*) as result FROM sometable

Warning ⓘ

50

Critical ⓘ

200

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Wizard Steps 3-5

Complete the wizards by choosing the required options in wizard **Steps 3-5**.

To finish, click on **Finish** in the last step of the wizard. This will create new host and services and begin monitoring (or add the service checks to an existing host, if you leveraged that option).

Once the wizard applies to the configuration, you will be able to view status details for your new Postgres checks.

For more information on using monitoring wizards, you can review the [Understanding Configuration Wizards](#) documentation.

Finishing Up

This completes the documentation on Monitoring PostgreSQL With Nagios XI. 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](#)