Purpose

This document describes how to monitor MongoDB Databases with Nagios XI, in order to monitor the number of collections and/or objects in the database, as well as size of the database. The information you collect by monitoring your MongoDB Database will help you determine when documents are written into the database or if the size of the database is getting too large.

Prerequisites

It is assumed that your MongoDB Server has authentication enabled. If you have questions as to how to do this, please refer to the link below:

Enable Authentication on MongoDB Server

https://docs.mongodb.com/manual/tutorial/enable-authentication/

You are required to have a user in the admin database that has the role of clusterAdmin. This role is required by MongoDB to access statistics on the MongoDB server. You can reference the link below for information about creating users for a MongoDB:

Add a User to the MongoDB Server

https://docs.mongodb.com/manual/tutorial/manage-users-and-roles/

You will also be required to allow remote connections to your MongoDB server: bindlp:

https://docs.mongodb.com/manual/reference/configuration-options/#net-options

Firewall Rules:

https://docs.mongodb.com/v3.0/tutorial/configure-linux-iptables-firewall/

https://docs.mongodb.com/v3.0/tutorial/configure-windows-netsh-firewall/

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Running The Configuration Wizard

The MongoDB Database configuration wizard will be used to set up the service checks for your MongoDB database.

In the Nagios XI menu, navigate to **Configure > Configuration Wizards** and click the **MongoDB Database** wizard.

N	Configure	System Status	Search Naglos XI Ctrl K Changelog ? 😫
	Configuration Options Configuration Tools ^ Configuration Wizards	Configuration	n Wizards 🕸 🕜 🏠
\$ @ ~	Auto-Discovery Manage Templates Top / Recent Wizards Auto Deployment ~	Q Search Wizards	Y No Filter V More Wizards
	Advanced Configuration V More Options V	₩ MongoDB Database →	MongoDB Server → Monitor a MongoDB Server





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1. On **Step 1**, you will be required to provide the address of your **MongoDB server** in the Address field. Change the default port if required.

MongoDB Database Con	figura	ation Wizard	Step 1	\$ 0 1	
MongoDB Information					
Specify the details for connecting to the Mon	goDB da	atabase you want to n	nonitor.		
* Address ()					
192.168.157.129					
Port ()					
27017					
* Username ()					
nagios					
* Password ()					
•••••	0				
* Database ()					
test					
·					
Next >				Cancel	

- a. Enter the **Username** and **Password** of the account that has clusterAdmin access.
- b. You need to enter the database you would like to monitor in the **Database** field.
- c. Click the Next button to proceed to Step 2.
- 2. Step 2 is where you define the monitoring options.

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DB Mongol	DB Datal	oase Co	onfigu	ration Wizard	Step 2	\$	0	
MongoDB Info	rmation							
Address								
192.168.157.1	29							
Host Name ①								
jdm-ubuntu24								
Port								
27017								
Username								
nagios								
Database								
test								
MongoDB Database Metrics								
Specify the metrics you would like to monitor on the MongoDB database.								
🔽 Database Size ن	▲ 335€	b	6710	b				
Database Indexes Size	▲ 335€	b	6710	b				
()								
					🚺 About Leg	gal Copyright © 200	8-2024 Nagios	

- a. In the first section, make sure the **Host Name** field is correct; this is the name the host will be given in Nagios XI. The **MongoDB Database Metrics** section allows you to select which metrics to monitor on your **MongoDB Database**.
- b. Select the checks you wish to perform and what the warning and critical values will be for each one.

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- c. Once you've selected the checks you want to monitor, click Next to continue.
- 3. Complete the wizard by choosing the required options in **Step 3 Step 5** and then click on **Finish** in the final step of the wizard.
- 4. Once the wizard applies the configuration, click the **View status details** for your MongoDB server link to see the new host and services that were created.

Service Status for this Host						Last updated: 2024-12-01 05:12:09
Service		Status	Duration	Attempt	Last Check	Status Information
MongoDB Database Collections	*	• Warning	2d 6h 6m 45s	5/5	2024-12-01 05:10:19	CRITICAL – Connection to Mongo server on 192.168.157.129:27017 has failed
MongoDB Databases	**	 Warning 	2d 4h 25m 15s	5/5	2024-12-01 05:11:11	CRITICAL - Connection to Mongo server on 192.168.157.129:27017 has failed
MongoDB Database Indexes Size	**	• Warning	1d 8h 2m 59s	5/5	2024-12-01 05:10:44	CRITICAL – Connection to Mongo server on 192.168.157.129:27017 has failed
MongoDB Connection	*	• Warning	1d 8h 3m 42s	5/5	2024-12-01 05:07:00	CRITICAL - Connection to Mongo server on 192.168.157.129:27017 has failed

Here you can see the services created by running the wizard:

More Information:

Using Configuration Wizards

Finishing Up

This completes the documentation on how to monitor a MongoDB database In Nagios XI 2024. 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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