Purpose
This document describes how to monitor a MongoDB server with Nagios XI using the MongoDB Server Configuration Wizard in order to monitor the health of your server. The wizard supplies checks to monitor the following: number of queries per second, memory usage, the number of databases on the server, and percentage of free connections available.

Target Audience
This document is intended for Nagios Administrators who want to monitor their MongoDB server with Nagios XI.

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:
- bindIp
Firewall Rules:

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

Running The Configuration Wizard

The MongoDB Server configuration wizard will be used to set up the service checks for your MongoDB server. In the Nagios XI menu navigate to Configure > Configuration Wizards and click the MongoDB Server wizard. In the following screenshot you can see how the search field allows you to quickly find a wizard.

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.

Enter the Username and Password of the account that has clusterAdmin access.

Click Next to proceed to step 2.
Step 2 is where you define the monitoring options.

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 Server Metrics section allows you to select which metrics to monitor on your MongoDB Server.

Select the checks you wish to perform on the server and set warning and critical values for your alert thresholds.
If you use replication, there are some checks you can perform on your replication set such as: status, lag, and lag percentage. These are defaulted to off because not all MongoDB servers are set up with replication.

Once you've selected the checks you want to monitor, click Next to continue.

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.

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.

### Finishing Up

This completes the documentation on monitoring a MongoDB server in Nagios XI.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

https://support.nagios.com/forum

The Nagios Support Knowledgebase is also a great support resource:

https://support.nagios.com/kb