

Managing Nagios Log Server 2024R2 Clusters

Purpose

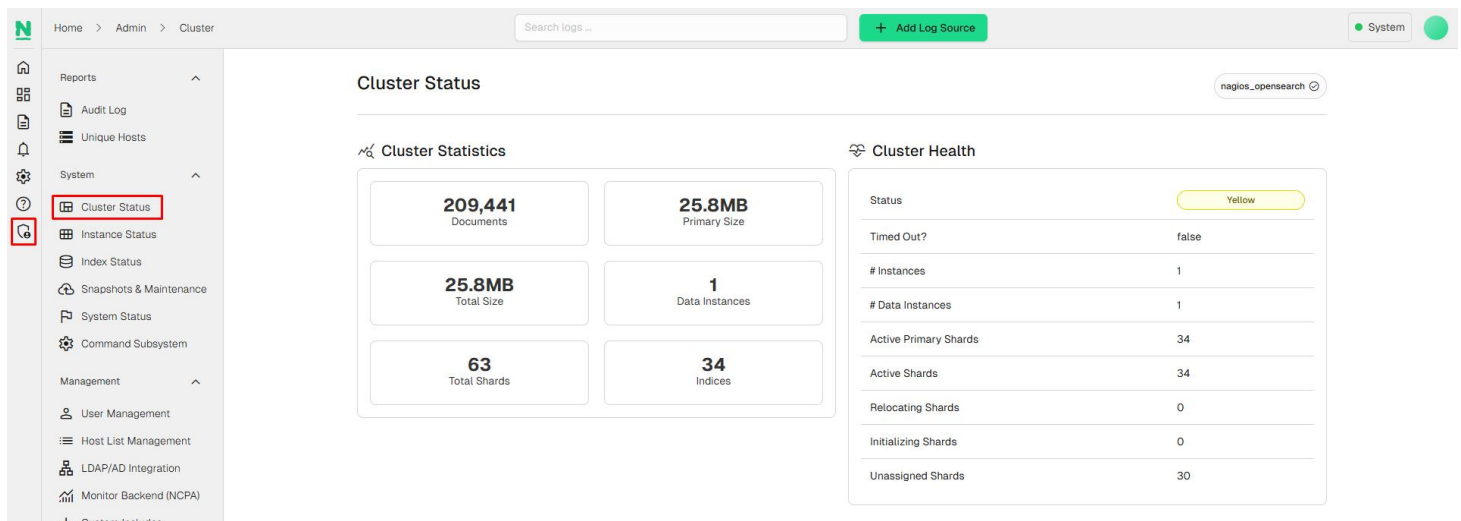
This document describes how to manage and identify key information on your Nagios Log Server Cluster.

Overview

Nagios Log Server is a clustered application, it consists of one or more instances of Nagios Log Server. An instance is an installation of Nagios Log Server, it participates in the cluster and acts as a location for the received log data to reside. Log data is spread across instances using the OpenSearch database, a special database used by Nagios Log Server

Navigate

To manage your Nagios Log Server cluster, navigate to **Admin > System > Cluster Status**.



The screenshot shows the Nagios Log Server interface. The left sidebar contains a menu with 'Cluster Status' highlighted by a red box. The main content area is titled 'Cluster Status' and includes a search bar and a '+ Add Log Source' button. Below the title, there are two sections: 'Cluster Statistics' and 'Cluster Health'.

Cluster Statistics

209,441 Documents	25.8MB Primary Size
25.8MB Total Size	1 Data Instances
63 Total Shards	34 Indices

Cluster Health

Status	Yellow
Timed Out?	false
# Instances	1
# Data Instances	1
Active Primary Shards	34
Active Shards	34
Relocating Shards	0
Initializing Shards	0
Unassigned Shards	30

Cluster ID

The cluster status page allows administrators to see the current statistics and behavior of their cluster. In the top right corner of the page is the **Cluster ID**. When adding new instances to this cluster, this is the ID you will need to use.

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Cluster Statistics

This table will describe the statistics associated with your Nagios Log Server Cluster. This view is very good for managing or engineering a new Nagios Log Server Cluster or a cluster that needs more instances added to it. The following information is displayed:

- Number of documents being sent to your cluster
- Size of the current primary cluster in Megabytes
- Total cluster size in Megabytes
- Total shards used in your cluster
- Number of indices

Cluster Health

This table allows you to view the current health of the cluster. The status is based off the current allocation status of the shards that make up your cluster, the different health levels are:

- **Green:** Cluster is healthy, and all shards have been allocated
- **Yellow:** Cluster has unassigned shards or has not completed allocating shards after a system change
- **Red:** Cluster timed out or isn't responding

This is also a good way to get the status of your clusters' shards and if they are being relocated, initialized or assigned based on the status of your instances.

If an instance goes down in your cluster, it may show a number of unassigned shards in this table. When the instance comes back online you will be able to observe the number of unassigned shards reduce, eventually the number will return to 0 and the cluster will return to a green status.

The following KB articles can help troubleshoot different cluster health issues:

[Understanding And Troubleshooting Yellow Cluster Health](#)

[Understanding And Troubleshooting Red Cluster Health](#)

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Indices

This table will show you the size and statistics of each index in your cluster.

Indices

<input type="checkbox"/>	Index	# Docs	Primary Size	# Shards	# Replicas	
	logstash-2024.12.09	8,818	1.6MB	1	1	...
<input type="checkbox"/>	logstash-2024.12.06	28,976	3.2MB	1	1	...
<input type="checkbox"/>	logstash-2024.12.05	127,801	12.9MB	1	1	...
<input type="checkbox"/>	logstash-2024.12.04	26,408	3.2MB	1	1	...

With selected indices

Advanced Management

If you require more detailed information about your cluster you will need to establish a terminal session to one of you Nagios Log Server instances and execute the following commands in a terminal session using a **curl** command.

First, locate your **OpenSearch password** with the following command (note that this is a single command) :

```
cat /var/www/html/nagioslogserver/application/config/config.local.php | grep 'opensearch_password'
```

Then execute the following three commands to get more detailed information:

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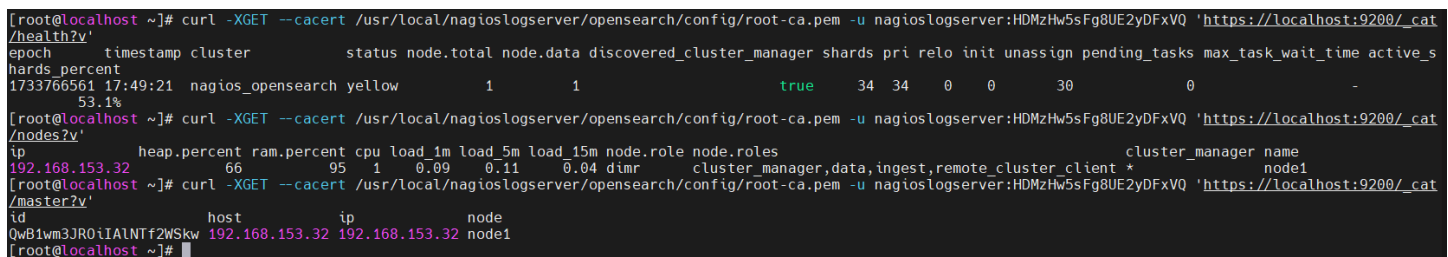
NOTE: Make sure to replace **{password}** with your **OpenSearch password** from the above command.

```
curl -XGET --cacert /usr/local/nagioslogserver/opensearch/config/root-ca.pem -u nagioslogserver:{password} https://localhost:9200/_cat/health
```

```
curl -XGET --cacert /usr/local/nagioslogserver/opensearch/config/root-ca.pem -u nagioslogserver:{password} 'https://localhost:9200/_cat/health?v'
```

```
curl -XGET --cacert /usr/local/nagioslogserver/opensearch/config/root-ca.pem -u nagioslogserver:{password} 'https://localhost:9200/_cat/health?v'
```

This will produce output similar to the following screenshot:



```
[root@localhost ~]# curl -XGET --cacert /usr/local/nagioslogserver/opensearch/config/root-ca.pem -u nagioslogserver:HDMzHw5sFg8UE2yDFxVQ 'https://localhost:9200/_cat/health?v'
```

epoch	timestamp	cluster	status	node.total	node.data	discovered	cluster_manager	shards	pri	relo	init	unassign	pending_tasks	max_task_wait_time	active_s
1733766561	17:49:21	nagios_opensearch	yellow	1	1		true	34	34	0	0	30	0	-	

```
[root@localhost ~]# curl -XGET --cacert /usr/local/nagioslogserver/opensearch/config/root-ca.pem -u nagioslogserver:HDMzHw5sFg8UE2yDFxVQ 'https://localhost:9200/_cat/nodes?v'
```

ip	heap.percent	ram.percent	cpu	load_1m	load_5m	load_15m	node.role	node.roles	cluster_manager	name
192.168.153.32	66	95	1	0.09	0.11	0.04	dimr	cluster_manager,data,ingest,remote_cluster_client	*	node1

```
[root@localhost ~]# curl -XGET --cacert /usr/local/nagioslogserver/opensearch/config/root-ca.pem -u nagioslogserver:HDMzHw5sFg8UE2yDFxVQ 'https://localhost:9200/_cat/master?v'
```

id	host	ip	node
QwB1wm3JR0iIA1NTf2WSkw	192.168.153.32	192.168.153.32	node1

```
[root@localhost ~]#
```

Finishing Up

There are more sections that make up the Admin menu. The Help menu provides documentation to assist you with mastering your Nagios Log Server and make you aware of all the features in Nagios Log Server.

Learn how to manage **Instances** with the [Managing Nagios Log Server Instances](#) documentation next.

This completes the documentation on Managing Nagios Log Server 2024R2 Clusters. 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](#)