

## The Industry Standard in IT Infrastructure Monitoring

### Purpose

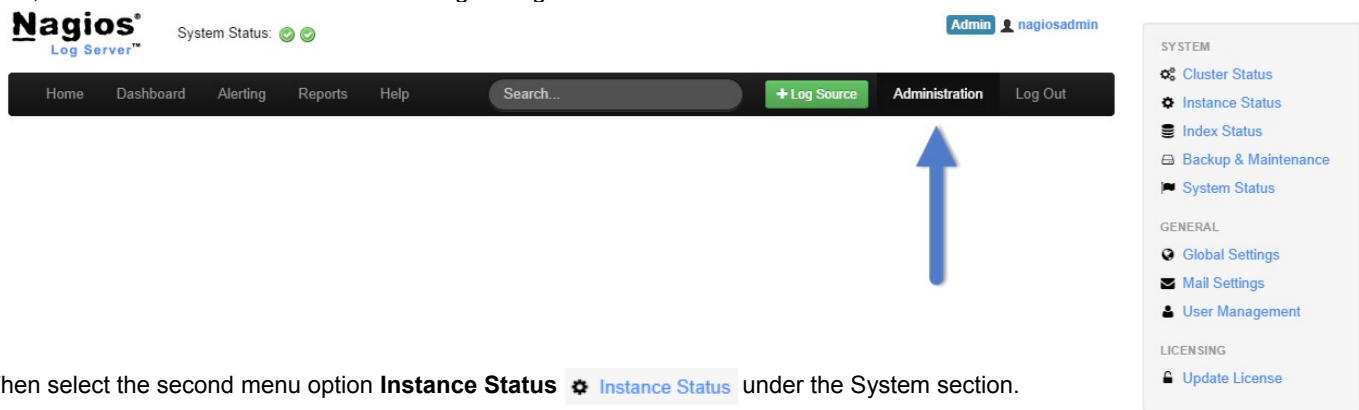
This document describes how to manage your Nagios Log Server Instances through the Administration section.

### Target Audience

This document is intended for use by Nagios Log Server Administrators. It describes how to view statistics for, manage and troubleshoot Nagios Log Server Instances.

### Navigate

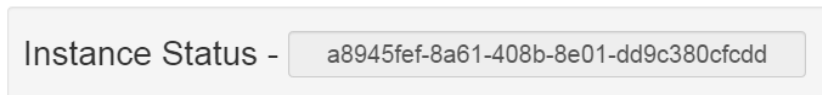
First, Select the Administration section in Nagios Log Server:



Then select the second menu option **Instance Status** [Instance Status](#) under the System section.

### Instance Status

The cluster status page allows administrators to see the current statistics and behavior of their Nagios Log Server Instances. Similar to the Cluster Status page the first thing to note is that you can access your Nagios Log Server **Instance ID**. It will be displayed in the header that reads '**Instance Status - [Instance ID]**':



Here you see the Instance ID displayed. This just a UUID identifier for each instance running in the cluster, each instance of Nagios Log Server has a unique identifier.

Immediately below the Instance ID are the **Instance Statistics**:

Instance Stats					
13 bytes Swap	17.2GB Total Storage	15.2GB Free Storage	191.2MB Data Read	12.2GB Data Written	12.4GB I/O Size

This table is a detailed view of the instance you are currently in. It gives you most of the details that you might want to know about the instance including:

- Bytes used for file swap
- Overall Storage Capacity
- Free Space in the instance
- Read Data in Megabytes
- Written Data in Megabytes
- I/O Size

Administrators can use this information to know what the instance is capable of and what hardware they might need to introduce in a new instance. Below the statistics are a number of tables designed to give you as much information as possible.

There are 6 tables that make up the rest of the Instance Status page, view the corresponding example tables below:

- **Instance Information:** Information about the instance you are currently using
  - IP address and Hostname
  - Load over time
  - Memory Statistics
  - CPU Statistics / Physical properties
- **Process:** Shows the instance log processing statistics
  - Open Descriptors
  - CPU Process statistics
  - Process Memory status
- **File System:** How the instance file system is configured and working
  - File Data Path
  - Mount and Device Paths
  - Total and Free Space
  - Disk Writes, Reads and Size

Instance Information	
IP:	192.168.4.50
Hostname:	localhost.localdomain
1m, 5m, 15m Load:	0.16, 0.16, 0.09
Memory (Used/Free):	1.71 GB / 120.20 MB
Swap (Used/Free):	13.27 MB / 1.99 GB
Total Memory:	120.20 MB
Total Swap:	1.99 GB
CPU User/Sys:	5% / 3%
CPU Idle:	80%
CPU Vendor:	Intel
CPU Model:	Core(TM) i7-2600 CPU @ 3.40GHz
Total Cores:	2

Process	
Open File Descriptors:	202
CPU Usage:	5% of 200%
CPU System:	9.8m
CPU User:	18.3m
CPU Total:	28.1m
Resident Memory:	413.86 MB
Shared Memory:	15.26 MB
Total Virtual Memory:	2.40 GB

File System	
Path:	/usr/local/nagioslogserver/elasticsearch/data/c11180ba-ed27-4376-9404-ef0ac1bba211/nodes/0
Mount:	/
Device:	/dev/mapper/VolGroup-lv_root
Total Space:	17.23 GB
Free Space:	15.28 GB
Disk Reads:	7154
Disk Writes:	3207543
Read Size:	191.23 MB
Write Size:	12.24 GB

- Indices:** This instance index status
  - Number of Documents and any that have been deleted
  - Totals of Indices, Deletions, Gets and Queries
- Java Virtual Machine (JVM):** Statistics about the JVM that is running Elasticsearch on Nagios Log Server.
  - Heap and Non Heap usage
  - Uptime, Thread status
  - GC Times and Counts
  - Java version and JVM information
- Thread Pools:** A group of idle threads that stand ready until there is work to be done. Formatted by Queue/ Peak/ Active
  - Each thread title indicates a section of the pool and the current threads that are being used
  - Queued** pools are waiting to be run, **Peak** is the most threads the specific type of thread as ran at once and **Active** is any threads that are currently running

Indices	
Documents:	65008
Documents Deleted:	1
Store Size:	0 bytes
Index Total:	92598
Delete Total:	3
Get Total:	90969
Get(Exists) Total:	61543
Get(Missing) Total:	29426
Query Total:	535300
Fetch Total:	30561

JVM	
Heap Used:	167.87 MB
Heap Committed:	239.38 MB
Non Heap Used:	48.51 MB
Non Heap Committed:	73.96 MB
JVM Uptime:	0 bytes
Thread Count/Peak:	49 / 54
GC (Old) Count:	14
GC (Old)Time:	306ms
GC (Young) Count:	4522
GC (Young)Time:	27.8s
Java Version:	1.7.0_65
JVM Vendor:	Oracle Corporation
JVM:	OpenJDK 64-Bit Server VM

Thread Pools	
Index (Queue/Peak/Active):	0/2/0
Get (Queue/Peak/Active):	0/2/0
Search (Queue/Peak/Active):	0/6/0
Bulk (Queue/Peak/Active):	0/2/0
Refresh (Queue/Peak/Active):	0/1/0
Flush (Queue/Peak/Active):	0/1/0
Merge (Queue/Peak/Active):	0/1/0
Management (Queue/Peak/Active):	0/5/1

## Finishing Up

There are additional sections that make up the Administration menu and you can view our documentation to help you master your Nagios Log Server. Learning each part will allow administrators full control of all the features that are in Nagios Log Server.

If you have questions about Nagios Log Server or it's capabilities, contact our support team via our online form at:

<http://support.nagios.com/forum>

SYSTEM	
	<a href="#">Cluster Status</a>
	<a href="#">Instance Status</a>
	<a href="#">Index Status</a>
	<a href="#">Backup &amp; Maintenance</a>
	<a href="#">System Status</a>
GENERAL	
	<a href="#">Global Settings</a>
	<a href="#">Mail Settings</a>
	<a href="#">User Management</a>
LICENSING	
	<a href="#">Update License</a>