# Load Balancing Log Collection in Nagios Log Server

Purpose

This document provides high level details on load balancing log event collection with Nagios Log Server, so that log intake continues even in the event of individual cluster instance failures.

Overview

By default, log data is sent upstream directly to a specific Log Server cluster instance by each source you are collecting from. This is the method you'll employ using the built-in source setup guides.
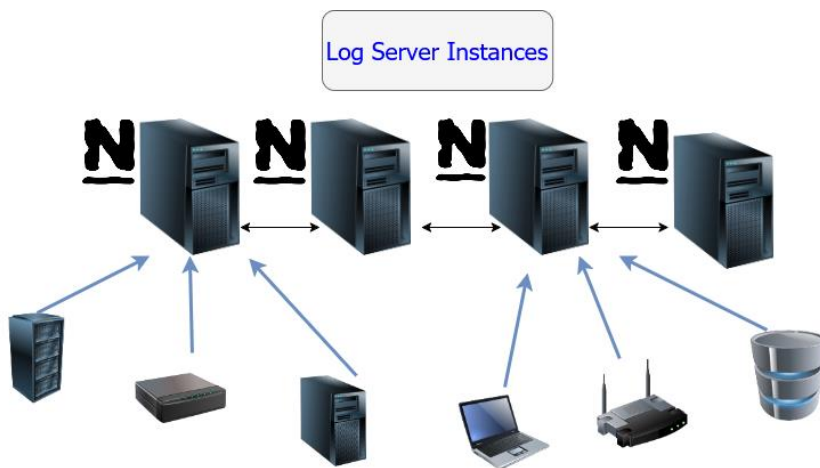

This approach works well unless the instance breaks, in which case the log data will have nowhere to go and will begin to queue on the sending source. As long as you're running a multi-instance cluster, previously collected logs will still be protected, but new results won't be collected until the receiver instance recovers.
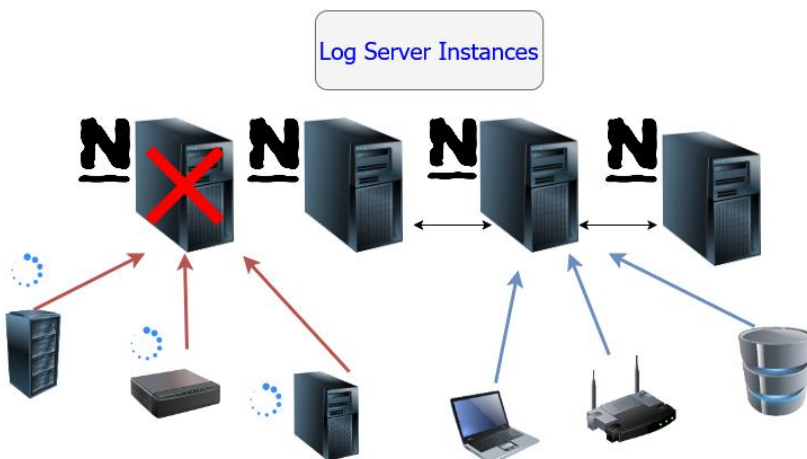
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A more resilient approach is to incorporate a load balancer or round robin DNS setup, so that incoming log events from the sources will be routed to an available instance.
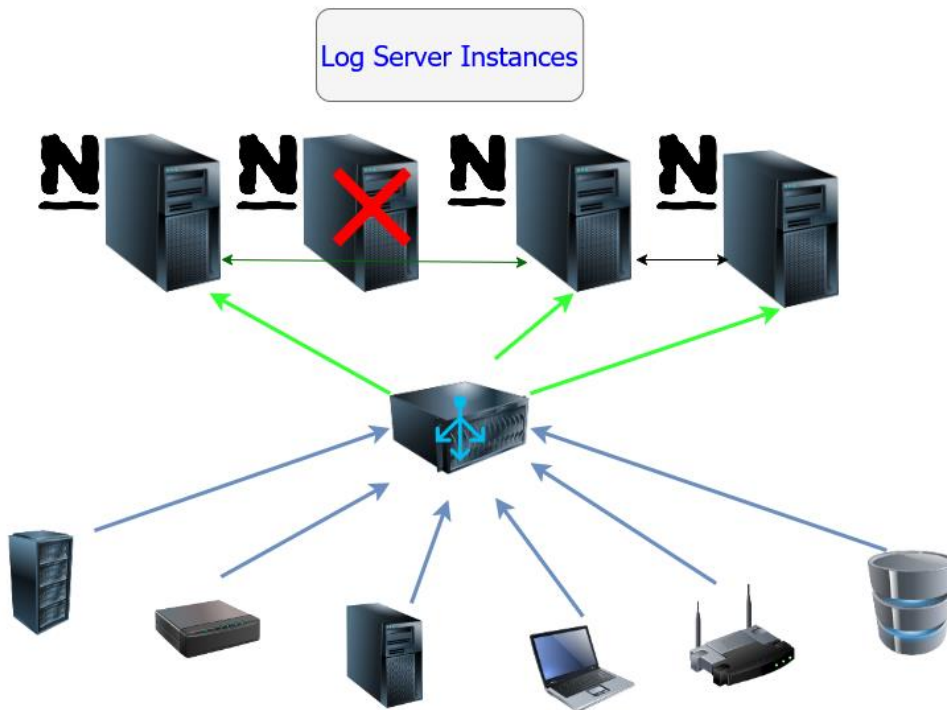
Source IP Considerations

In some cases, the logs received by Log Server from your log sources may appear to be from the IP address of your load balancing solution. The best approach to resolve this will depend on the load-balancing platform you choose, but some common options are:

- Configure transparent forwarding in your load balancer so that the source IP addresses are not modified in-transit.
- Create a Logstash filter in Log Server to extract the source IP (if the logs still contain the source IP after routing through the balancer)

Log Server Web GUI Connections

HTTP(S) connections used to access the Log Server web interface should not be load balanced. If web GUI connections must be run through your load balancer, direct them to a specific Log Server instance only.

Professional Services

If you would like additional assistance in setting up your environment, we can refer you to a professional services partner, in your region, that will be able to assist. Contact your Customer Success Manager at csm@nagios.com, for more information

Finishing Up

This completes the documentation on Load Balancing Log Collection in Nagios Log Server. 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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