

rities higher than itself. The error log that is set up by default for NGINX looks like this:

g to a locally running syslog server by adding the following line to each file's server block:

With the warn level set, anything logged at a notice, info, or debug level will not be written to the log file.

It's common to want to log using syslog instead of a file so that logs can be aggregated with a logging server or service like PaperTrail. NGINX su

pports utilizing syslog through the error log and access log directives that we've already looked at. Let's change our blog and notes servers to lo

We're using the default combined format and logging to the default syslog socket at /dev/log. The server attribute could also be set to a remote ad

dress using a domain or IP address instead of a local unix: socket. Now we can refresh our NGINX configuration, make a few requests and see what is

Depending on the system that you're running on the file that we will read from will be a little different. On CentOS it will be /var/log/messages,

The log messages that main provides are not very helpful because we don't know which virtual host was requested. Let's create our own custom log_fo

rmat that will include this information that we can use for our virtual hosts. Since we want to use this in many files, we'll add it to the top lev

Mar 19 22:10:18 keiththomps3 journal: keiththomps3.mylabserver.com nginx: notes.example.com 127.0.0.1 - - [19/Mar/2018:22:10:18 +0000] "GET / HTTP/1.1" 200 1863 "-" "curl/7.29.0"

Mar 19 22:10:24 keiththomps3 journal: keiththomps3.mylabserver.com nginx: blog.example.com 127.0.0.1 - - [19/Mar/2018:22:10:24 +0000] "GET / HTTP/1.1" 200 53324 "-" "curl/7.29.0"

Room for Improvement

✓ Complete Section & Return to Course Module

Mar 19 22:02:25 keiththomps3 journal: keiththomps3.mylabserver.com nginx: 127.0.0.1 - - [19/Mar/2018:22:02:25 +0000] "GET / HTTP/1.1" 200 53332 "-" "curl/7.29.0" Mar 19 22:02:33 keiththomps3 journal: keiththomps3.mylabserver.com nginx: 127.0.0.1 - - [19/Mar/2018:22:02:33 +0000] "GET / HTTP/1.1" 200 1863 "-" "curl/7.29.0"

The format is the same as main except we added the \$host value. Now the line that we used in our virtual hosts can be changed to this:

/etc/nginx/nginx.conf (partial)

access_log syslog:/dev/log combined;

[root] \$ systemctl reload nginx

[root] \$ tail -n 2 /var/log/messages

/etc/nginx/nginx.conf (partial)

access_log syslog:/dev/log vhost;

[root] \$ systemctl reload nginx

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[root] \$ tail -n 2 /var/log/messages

el http context within /etc/nginx/nginx.conf:

[root] \$ curl --header "Host: notes.example.com" localhost 2&>1
[root] \$ curl --header "Host: blog.example.com" localhost 2&>1

Exceeded my Expectations

Custom Log Format

[root] \$ curl --header "Host: blog.example.com" localhost

[root] \$ curl --header "Host: notes.example.com" localhost

but on debian based systems it will be /var/log/syslog.

Here's how we can check the last 2 logged lines in the file:

After a reload and a few more requests we should be able to tell what server received each request:

Utilizing Syslog

logged:

error_log /var/log/nginx/error.log warn;