

N- Partner N-REPORTER

How to manage Apache Syslog (Linux) V 1.1.5



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Preface

This document is mainly to introduce how to use N-Reporter to receive Apache syslog in Linux with Apache installation. First, set up Apache. Then, use Linux Rsyslog to send Apache syslog to N-Reporter.

The test environment is Linux Debian 6.0.3, with Apache 2.2.16 installation.

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1 How to set up Apache

1. Log in Linux. Please log in with root or the user has a proper permission.

su -

2. Edit Apache profile /etc/apache2/apache2.conf

vi /etc/apache2/apache2.conf

Annotate: The configure file name of Debian and Ubuntu is apache2.conf ; and for

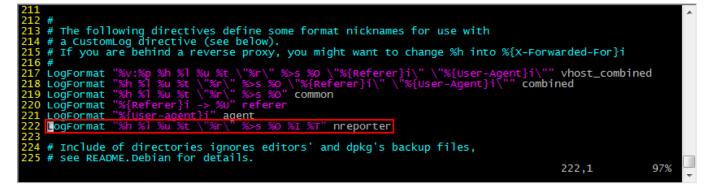
RHEL, Fedora, CentOS is httpd.conf. For other OS please refer to:

http://wiki.apache.org/httpd/DistrosDefaultLayout to edit the configure file.

3. Add definition of Apache LogFormat according to N-Reporter suggests, naming **nreporter**. The following is the setting up format:

LogFormat "%h %l %u %t \"%r\" %>s %O %l %T" nreporter

In this case we add "LogFormat "%h %l %u %t \"%r\" %>s %O %l %T" nreporter" in line 222.



4. Edit the configuration file /etc/apache2/sites-enabled/000-default

vi /etc/apache2/sites-enabled/000-default

5. Keep error log to system log(syslog). Add the following line.

ErrorLog "|/usr/bin/logger -t apache2 -p local6.error"

Note: The parameter –p of logger is facility.severity, setting of facility according to the actual needs of the user. In this document the Apache facility is set as local6.

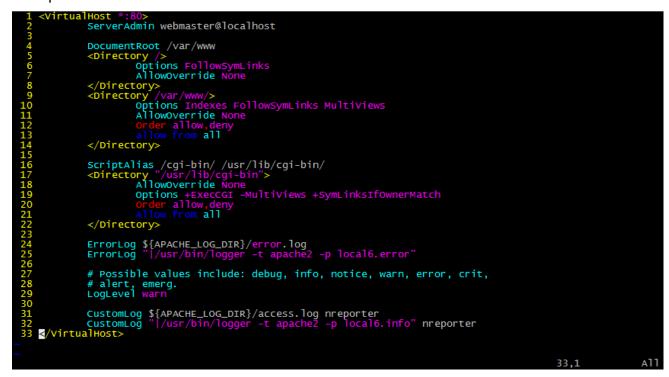
6. Keep access log to file access.log. Add the following line.

CustomLog \${APACHE_LOG_DIR}/access.log nreporter

7. Keep access log to system log(syslog). Add the following line.

CustomLog "//usr/bin/logger -t apache2 -p local6.info" nreporter

Set up as follows:



8. If Apache launches SSL certificate, please edit SSL configuration file /etc/apache2/sites-

enabled/default-ssl

vi /etc/apache2/sites-enabled/default-ssl

9. Keep error log to system log. Add the following line.

ErrorLog "//usr/bin/logger -t apache2 -p local6.error"

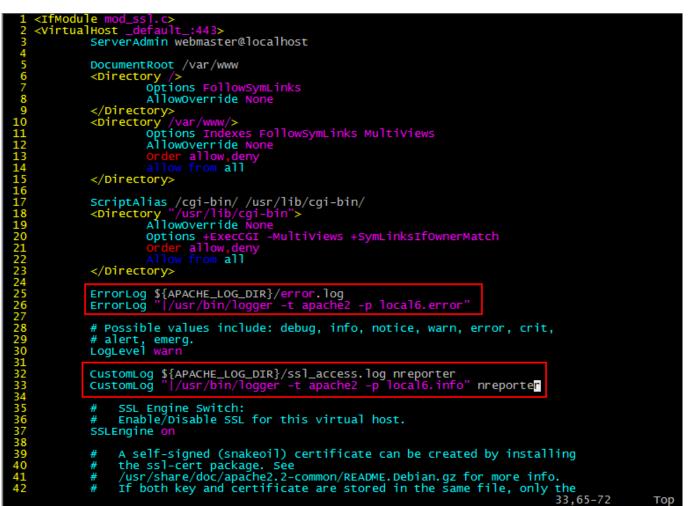
10. Keep access log to file ssl_access.log. Add the following line.

CustomLog \${APACHE_LOG_DIR}/ssl_access.log nreporter

11. Keep access log to system log(syslog). Add the following line.

CustomLog "|/usr/bin/logger -t apache2 -p local6.info" nreporter

Set up as follows:



Note: In this case we modified the default site configuration file, if there are several sites (such as multi-domain), it is suggested that all the sites setting go through steps 1~7, to make sure all the site log are written into system log(syslog.)

12. Make Apache reload settings.

/etc/init.d/apache2 reload

2 How to set up Linux Rsyslog to forward Apache syslog

Set up as follows:

- 1. Log in Linux. Please log in with root or the user has a proper permission.
- 2. Edit Rsyslog profile /etc/rsyslog.conf

vi /etc/rsyslog.conf

3. Start UDP model, delete the following two annotate #

\$ModLoad imudp.so

\$UDPServerRun 514

4. Add a new line below rsyslog.conf profile. 192.168.2.61 is the IP address of N-Reporter.

local6.* @192.168.2.61:514

Note: Please make sure the setting of Facility and Apache is the same. It is set local6 in this document.

5. Restart Rsyslog

/etc/init.d/rsyslog restart

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