

Logging

Update for 20.7

There is a option to disable legacy circular logging: [Local \(non circular\) logs](#) And code change: [Syslog: optionally disable legacy \(clog\) logging](#)

Pre 20.7

DO NOT INCREASE CIRCULAR LOG SIZES! SYSLOG CLOG support is implemented using mmap-ed files. So with log file size 100MB it makes HDD 100% busy and make system not responsive.

- syslogd is used as local system logger
 - ```
/usr/local/sbin/syslogd -s -c -c -P /var/run/syslog.pid -p /var/run/legacy_log -S /var/run/legacy_logpriv -k -s -s -f /var/etc/syslog.conf
```

    - -s secure mode - do not log from remote machines
    - -c -c disable compression of repeated lines for all instances
    - -S additional socket for privileged applications
    - -k do not translate kern to user
    - -s -s no network - no remote logging
- syslog-ng is spawned to forward logs to remote hosts

Circular log files:

- There is not log rotation. To keep longer log history, increase log size to i.e. 100M. There are around 22 log files, so 22\*100M gives 2.2GB occupied space.
- to keep log files at constant size, syslogd is compiled with clog support. [Circular log support for FreeBSD syslogd](#)
- Config file syslog.conf contain special % marker to signal that log file is a circular log file
- Each log file is initialized to maximum size by tool clog.
- At the end file, special information structure is stored for CLOG.

```
tail -z dnsmasq.log file
clog -f /var/log/dnsmasq.log
```

From:  
<https://niziak.spox.org/wiki/> - **niziak.spox.org**

Permanent link:  
<https://niziak.spox.org/wiki/sw:opnsense:logging>

Last update: **2020/09/11 08:19**

