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FastDPI monitoring and logs

- SNMP Monitoring via snmpd Service
- Monitoring via SNMP agent (Zabbix-agent)
- Monitoring traffic distribution by class
- Log Management with rsyslog

System logs are presented as text files that are located in the /var/log/dpi directory for DPI and PCRF modules. Types of messages in the log:

- 1. [CRITICAL] critical error, system operation is impossible without troubleshooting
- 2. [WARNING] warning, the system does not stop, but it is worth eliminating this malfunction
- 3. [TRACE] messages when the diagnostic trace mode is enabled
- 4. [INFO] notification of system actions
- 5. [ERROR] error when connecting services and policies, incorrect configuration

The FastDPI process by default logs all system actions to the following debug and statistics log files:

- 1. /var/log/dpi/fastdpi_slave.log a log of traffic processing processes¹⁾
- /var/log/dpi/fastdpi stat.log traffic processing statistics log
- 3. /var/log/dpi/fastdpi_alert.log common fastDPI functions log

Blocking counters that are saved in the statistics log

Log file rotation

File rotation provides a daily backup of the daily log. By default, this process is performed during the hours with the lowest system load. The log storage depth is defined in the configuration of /etc/logrotate.d/fastdpi by the parameter maxage, the value is specified **in days**.

The rotate parameter specifies the number of old logs to keep.

1)

For each handler, its own fastdpi slave log is created, other log files are created in a single copy.