

Содержание

FastDPI monitoring and logs 3

Log file rotation 3

FastDPI monitoring and logs

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⁾
2. [/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**.

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- [SNMP monitoring via snmpd service](#)
 - [Monitoring via SNMP agent \(Zabbix-agent\)](#)
 - [Monitoring traffic distribution by class](#)

¹⁾

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