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Log files

FastPCRF logs its actions to the /var/log/dpi/ directory. The following list of log files is available:

1. [fastpcrf_alert.log](#)
2. [fastpcrf_ap0.log](#)
3. [fastpcrf_ap1.log](#)
4. [fastpcrf_ap2.log](#)
5. [fastpcrf_ap3.log](#)
6. [fastpcrf_ap4.log](#)
7. [fastpcrf_stat.log](#)

Tracing



You are allowed to change the value of trace parameters without interrupting the service by editing the trace parameter in the fastpcrf.conf configuration file and executing the **service fastpcrf reload** command.

The log level is specified by the trace parameter in the fastpcrf.conf configuration file. The trace option takes a parameter as a bit mask, where each bit specifies a log level for a specific subsystem:

- 0x00000001 - connection monitor. Monitor of RADIUS connections. It monitors the activity of connections, decides whether to switch to a backup Radius server.
- 0x00000002 - task scheduler. Internal task scheduler.
- 0x00000010 - auth server, is responsible for accepting authorization requests from the fastDPI (fastDPI → fastPCRF communication).
- 0x00000200 - radius_client connections. Detailed logging of Access-Request requests and Access-Accept/Reject responses.
- 0x00000400 - radius_client monitor. Logging of Server-Status requests and corresponding responses for checking the RADIUS server status.
- 0x00001000 - CoA server. CoA events logging.
- 0x00002000 - CoA listener is responsible for establishing connections with CoA clients.
- 0x00004000 - CoA processor is responsible for detailed CoA requests logging.
- 0x00010000 - fdpi_ctl - logging of the fastDPI data sending events (fastPCRF → fastDPI communication).
- 0x00020000 - fdpi_crl FIFO - message queue events from fastPCRF to fastDPI. The queue includes CoA requests that should be sent to all the fastDPI servers.
- 0x00100000 - logging of start/stop accounting.
- 0x00200000 - logging of interim update accounting.