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3 FastPCRF installation and configuring for L3-connected BRAS

The FastPCRF application is an individual component and can be installed on a FastDPI server or on a dedicated one.

FastPCRF configuration

FastPCRF configuration is specified in the `/etc/dpi/fastpcrf.conf` file.

Minimum configuration:

```
fdpi_server_list=127.0.0.1%lo:29000;192.168.20.10%eth2:29000
radius_server=secret@192.168.10.20%eth1:1812
radius_server=secret2@192.168.10.21%eth1:1812
```

Description of the minimum configuration parameters:

`fdpi_server_list` is a list of FastDPI servers that are served by the given FastPCRF server. You can specify up to 16 different servers. Format to specify the server is: **ip%dev:port**, where **ip** is the FastDPI server IP address, **dev** the local interface used to establish a connection with FastDPI, **port** is the FastDPI [management port](#) (typically it is 29000). The management port specified in the in the `fastdpi.conf` must match the one specified in the `fastpcrf.conf`.

`radius_server` specifies a single RADIUS server. Each RADIUS server is specified in a separate `radius_server` parameter. Format to specify the server is: `secret@ip%dev:port`, where `secret` is the RADIUS secret, `ip` is the RADIUS server IP address, `dev` is the local interface name used to establish a connection, `port` is the RADIUS server auth port.

You are allowed to specify up to 16 RADIUS servers, and the first specified one in the `fastpcrf.conf` considered to be the main, whereas the rest ones are backup. A connection is established with only one RADIUS server from the list; backup servers are used only when the primary one is unavailable.

FastPCRF parameters

FastPCRF supports the fine-tune [parameters](#) to communicate with RADIUS servers.

FastPCRF logs

FastPCRF keeps various [log files](#) containing information about its operation.