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Protection Parameters Configuration



The service can be configured via the GUI. [Guide](#)

Activation of this type of protection triggers when one of the thresholds set in the configuration file `/etc/dpi/fastdpi.conf` is exceeded:

```
ddos_reqsec_threshold=300
ddos_reqsec_variation=5
```

where `ddos_reqsec_threshold` is the number of requests per second arriving at the protected site, usually set to the maximum observed under normal site operation. `ddos_reqsec_variation` is the allowed deviation in percent from the `ddos_reqsec_threshold` at which the protection is respectively enabled or disabled; it is set to avoid "flapping" and defaults to 5%.

```
ddos_pktsec_threshold=5000
ddos_pktsec_variation=5
```

where `ddos_pktsec_threshold` is the number of packets per second arriving at the protected site, usually set to the maximum observed under normal site operation. `ddos_pktsec_variation` is the allowed deviation in percent from the `ddos_pktsec_threshold` at which the protection is respectively enabled or disabled; it is set to avoid "flapping" and defaults to 5%.

If both parameters are set, `ddos_reqsec_threshold` takes priority and `ddos_pktsec_threshold` is ignored.

The CAPTCHA page used for verification is specified with:

```
ddos_check_server=www.server_name.ru/path/page.html?
ddos_security_key=123567890
```

where `ddos_security_key` is the encryption key used to generate tokens indicating to the DPI that the verification was successfully passed.

Logging of protection events can be enabled with:

```
ddos_trace=1
```

A whitelist of trusted IP addresses can be pre-collected by analyzing the protected site's web server logs (script written manually or by support team) or from a log generated by the DPI itself.

The resulting list is loaded into the DPI with:

```
fdpi_ctrl load --service 8 --file ip_list.txt
```

where ip_list.txt contains the list of IPs. More information about fdpi_ctrl commands and data persistence can be found in [Subscriber Management](#). In this context, subscribers refer to users of the protected site.