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3 Configuration

The Clickstream¹⁾ information must be made available on DPI for media server for its correct operation. Please add the following settings to DPI configuration file /etc/dpi/fastdpi.conf:

```
cache_server=192.168.0.1
ipfix_dev=eth2
ipfix_udp_collectors=172.31.155.95:1500
ipfix_observation=127
dbg_log_mask=0x80
```

Here cache_server is the address or the name of media server that sends a content to subscribers
ipfix_dev is the name of network interface that supports Clickstream data transmission in ipfix format
172.31.155.95:1500 is the address and the port of ipfix collector on media server.

Data uploading and cache control are handled by ccu (Cache Control Utility).

The command description for this utility is available via its 'help' command:

Описание команд утилиты доступны при запуске ее с командой "help":

```
ccu help
```

Uploading of video files to media server's storage is performed automatically, based on settings in configuration file /var/cache/nginx/cs/.cs/cs.conf and Clickstream information received from DPI.

To start auto uploading service to file storage on media server:

```
ccu online --conf /var/cache/nginx/cs/.cs/cs.conf --daemon
```

To stop auto uploading service:

```
ccu stop --conf /var/cache/nginx/cs/.cs/cs.conf
```

The WEB interface on http://cache_server:8000/cs.html allows to check cache statistics. Here cache_server is ip address or the name of media server.

To stat statistics service:

```
ccu monitor --conf /var/cache/nginx/cs/.cs/cs.conf --daemon
```

To stop statistics service:

```
ccu monitor --conf /var/cache/nginx/cs/.cs/cs.conf --stop
```

To restart file distribution service after upgrade:

```
service nginx restart
```

Execution of most of commands is logged into log files located in `/var/cache/nginx/cs/.cs/logs`.
`/var/cache/nginx/cs/.cs/logs`.

Media server's log files are stored in `/var/log/nginx`.

¹⁾

Clickstream - detailed information on browsing internet resources by the user