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ΔThe Clickstream¹⁾ information has to 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 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:

```
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.conf` and Clickstream information received from DPI.

To start automatic uploading service to file storage on the media server:

```
service ccuo start
```

To stop automatic uploading service:

```
service ccuo stop
```

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 start statistics service:

```
service ccum start
```

To stop statistics service:

```
service ccum stop
```

To restart file distribution service after upgrade:

```
service nginx restart
```

Execution of most of commands is logged into log files located in */var/log/ccu*.

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

¹⁾

Clickstream - detailed information on browsing internet resources by the user