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Assigning priorities according to the protocols

The protocol priorities (assigned by system administrator) are loaded by DPI from the file /etc/dpi/protocols.dscp.

This file is created in two steps: first one creates a text file with the list of protocols and their priorities. Second, it is converted into an internal format by a special utility.

To apply the changes you need to the DPI configuration with the following command:

service fastdpi reload

The file format of protocols and priorities list:

Each line contains the protocol name, then space, then dscp value. For example:

dns 0x3F skype drop compressnet 010 ftp keep http cs0 default keep



Full list of protocols.

DSCP value is specified as decimal, hex or octal number or as a text abbreviation.

Keywords meaning:

- drop indicates that packets must not be transmitted further. They must be dropped.
- keep shows that priority must keep its current value (typically 0).
- default means "for all remaining protocols" and allows to simplify significantly making the configuration file.

To convert into an internal format:

cat my dscp.txt|lst2dscp protocols.dscp



[SSG v13+] in input files of the lst2dscp utility, it is now possible to add comments (#) and empty lines.

To move the settings into the work directory:

mv protocols.dscp /etc/dpi/protocols.dscp



Please use mv instruction! It is an atomic one. Do not use copy!