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Prioritization by protocol

Editing

To go to the corresponding section, open the DPI CONTROL menu and click "PROTOCOL PRIORITIZATION".

The screenshot displays the VAS Experts interface for protocol prioritization. On the left, a sidebar lists navigation options under 'SSG control', with 'Protocol prioritization' selected. The main content area is titled 'Priority configuration' and contains two tables. The first table, 'List of protocols groups', lists categories such as 'Application servers', 'Backup', 'Custom protocols', 'Data bases', 'Data transfer', 'Debugging and measurement', 'E-Mail', 'Gaming', 'Instant messengers', and 'Mining', each with a checkbox and a 'The value of deep' column. The second table, 'List of protocols and priorities', is currently empty and features a large watermark that reads 'Add protocol or show all protocols'. A right sidebar shows a 'Wiki' section with a search bar and a table of contents for 'CKAT DPI', including a section for 'Assigning priorities'.

In this section, you can view and filter the list of protocols and their corresponding priorities, add, delete, edit.

Priority configuration

Editing

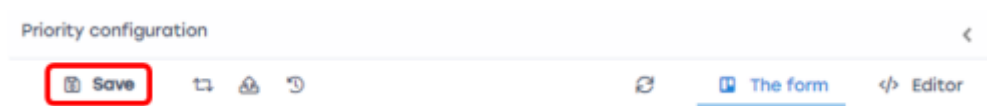
To edit it, click on the "**Edit**" button.

Editing is done in tabular form. To edit, just click on the line.

DSCP name	Binary value	Decimal	Priority	Polysing	class_order=1
keep	-	-	-	-	-
drop	-	-	-	-	-
cs0	000 000	0	0	0	7
cs1	001 000	8	1	1	6
cs2	010 000	16	2	2	5
cs3	011 000	24	3	3	4
cs4	100 000	32	4	4	3
cs5	101 000	40	5	5	2
cs6	110 000	48	6	6	1

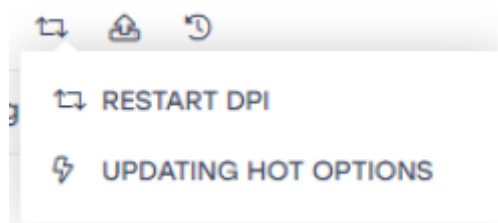
Saving changes

To save the edited parameters, click on the **"Save"** button.



Restart

To restart, click the **"Restart"** button.



A menu opens where you can select:

1. Restart the queue. Required if the Cold parameters were changed in the System section
2. Updating hot parameters. Required if any parameters have changed. This restart is performed automatically when you click on the **"Save"** button.

You can view and filter the list of protocols along with its corresponding priorities and add, delete or edit in this section.

Editing is done in tabular form. To edit, just click on the line. When filling out the protocol values and dscp, drop-down lists of hints appear.

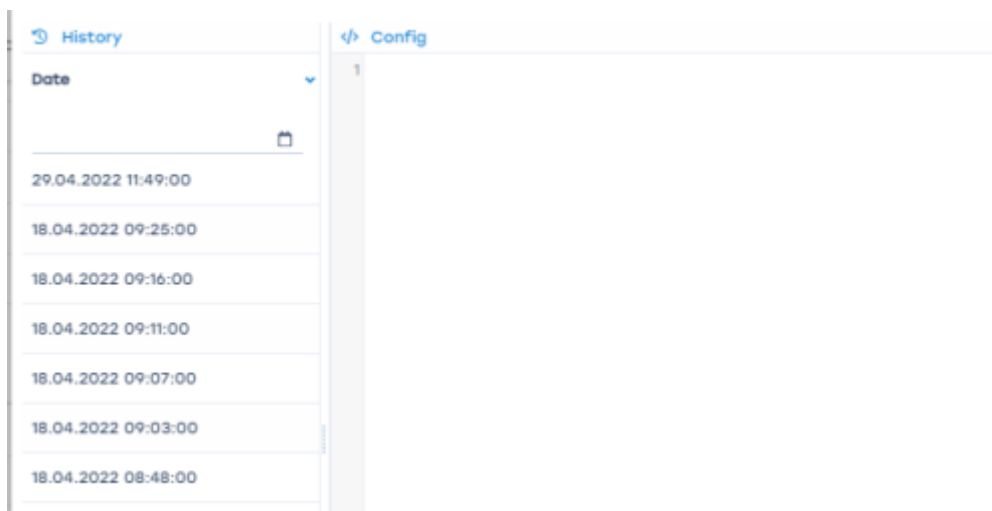
Import

To import from a file, click the **"Import"** button. Drag the file into the import zone and click on the **"Apply"** button to import the contents of the file.



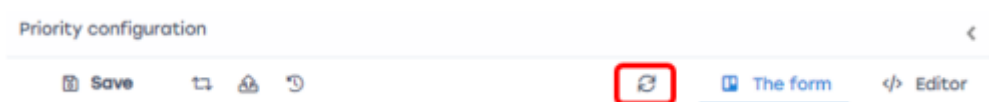
Loading history

To view the history of changes, click the **"Download from history"** button.



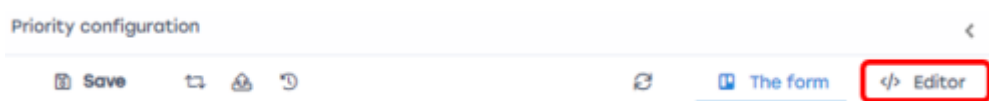
Updating parameters

To update the parameters, click on the **"Update Parameters"** button.



Editor

To directly edit the parameters in the config file, open the Editor.



Wiki

For information about the full list of parameters, read the contents of the attached page.

CKAT DPI

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3 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
```