

Aim of this work is to design and implement real-time network monitoring application for higher traffic. Application will be intended for network administrators, who can't or don't want to monitor network directly, using active network equipment such as routers or switches. One of main effort would be to minimize system resource requirements - application should be usable on common server hardware.

Application

will allow to configure amount of captured data (ports, MAC addresses) and thus lower the statistic data size. Integral part of this work will be graphical frontend enabling to effectively observe captured data and

statistics in the form of user-defined charts and tables. Application will be programmed in C language and it will be aimed to UNIX systems.