

# Universal Software for NETSHe network devices

## User Manual

### **Section 8. HTTP Proxy in NETSHE**

Stanislav Korsakov, "NETSHe Lab"

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Yaroslavl

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# Proxy in NETSHe

## HTTP/HTTPS proxy in NETSHe.

NETSHe has an integrated HTTP/HTTPS proxy function with the possibility to re-direct connections to an upstream proxy or process them in place.

Under the tab “UPnP settings” you can set up UPnP support. The following settings are to be specified: external interface for outgoing connections, interfaces to listen on and uplink/downlink speed.

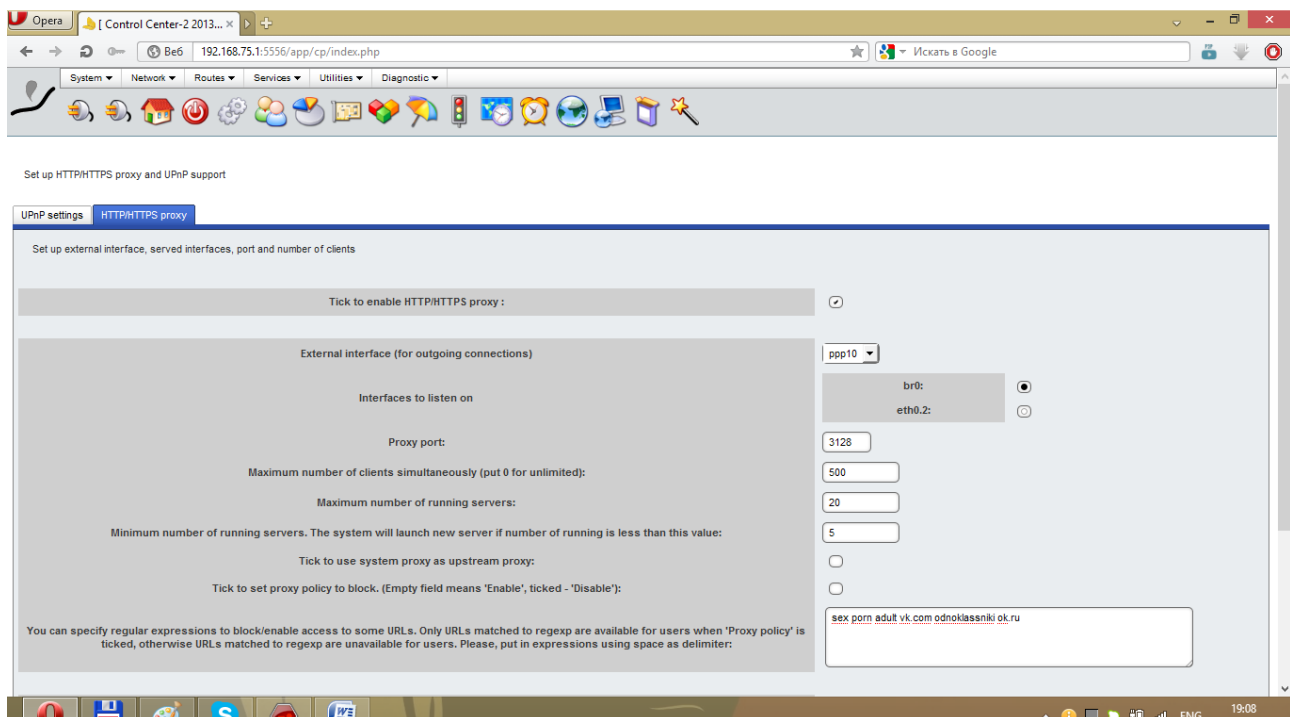
Proxy server port by default is 3128.

“HTTP/HTTPS proxy” tab contains proxy setting tools. You can select one external interface for outgoing connections, an internal interface to listen on, specify proxy port, maximum number of clients simultaneously and use system proxy as upstream proxy. As soon as the proxy server is powered all local network connections to ports 80 and 443 will be automatically redirected to its port.

NETSHe proxy server can monitor the availability of Internet resources for local users. Access control is enabled by access policy switch “All allowed” or “All prohibited”. The default policy is “All allowed” (no tick).

In case of “All allowed” policy the built-in proxy server will ban the access to certain Internet resources (sites) whose URLs contain the words matching the regular expressions list. Regular expressions must be separated by spaces.

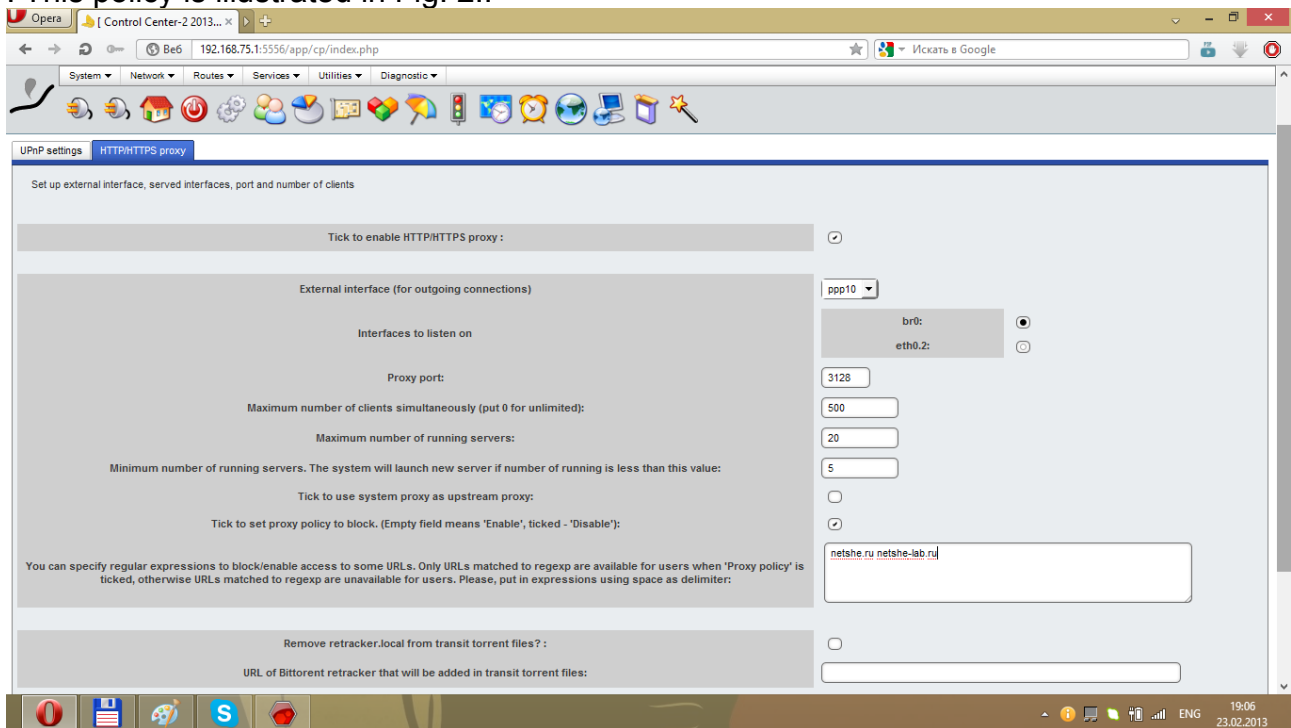
This policy is illustrated in Fig: 1. Access to the sites whose names contain the words porn, sex, adult and to Vkontakte and Odnoklassniki will be banned.



In case of “All Prohibited” policy the built-in server will ban the access to certain Internet resources (sites) whose URLs do not contain the words matching the regular expressions

list. Regular expressions must be separated by spaces. Regular expressions must be separated by spaces.

. This policy is illustrated in Fig. 2.:



The use of upstream proxy allows building complicated Internet traffic reduction systems / content filtration. Upstream proxy parameters are set in “General system settings” in the tab “Upstream proxy”.