Pfsense Bandwidth Management Squid and Squidguard

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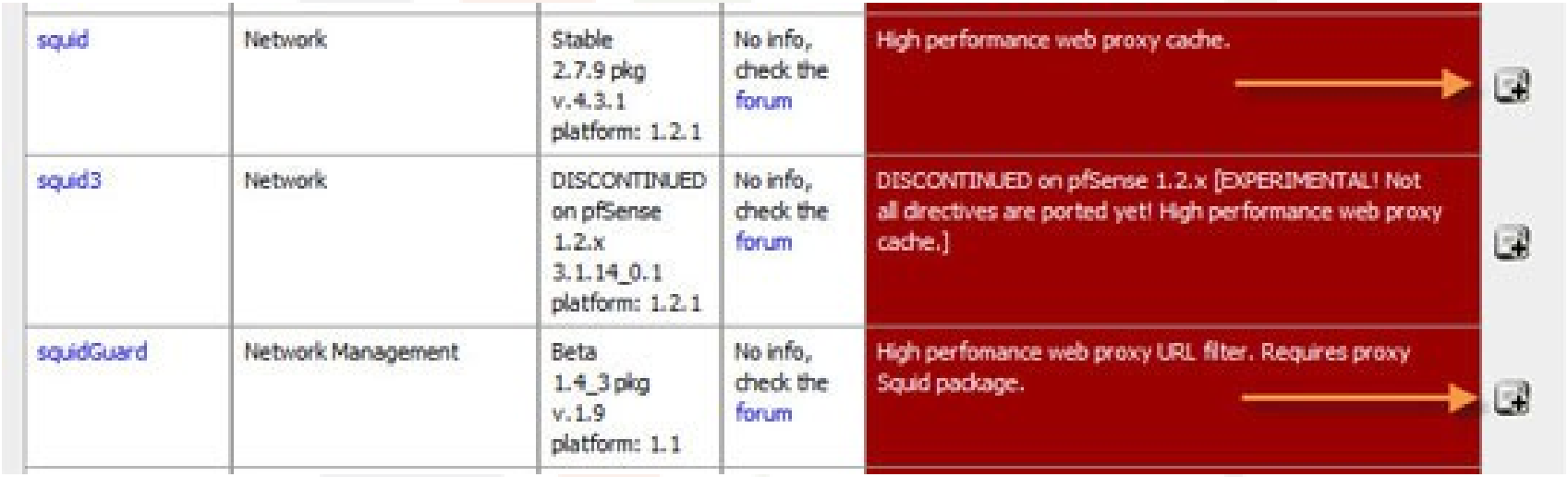
Componets

- Squid
- Squidguard/Dansguardian/
- Blacklist database- Shallalist/MESD/Urlblacklist.com – this blacklists can also work with some firewall – e.g Ipcop,Ipfire
- Basic configuration parameters/details

Configuration settings

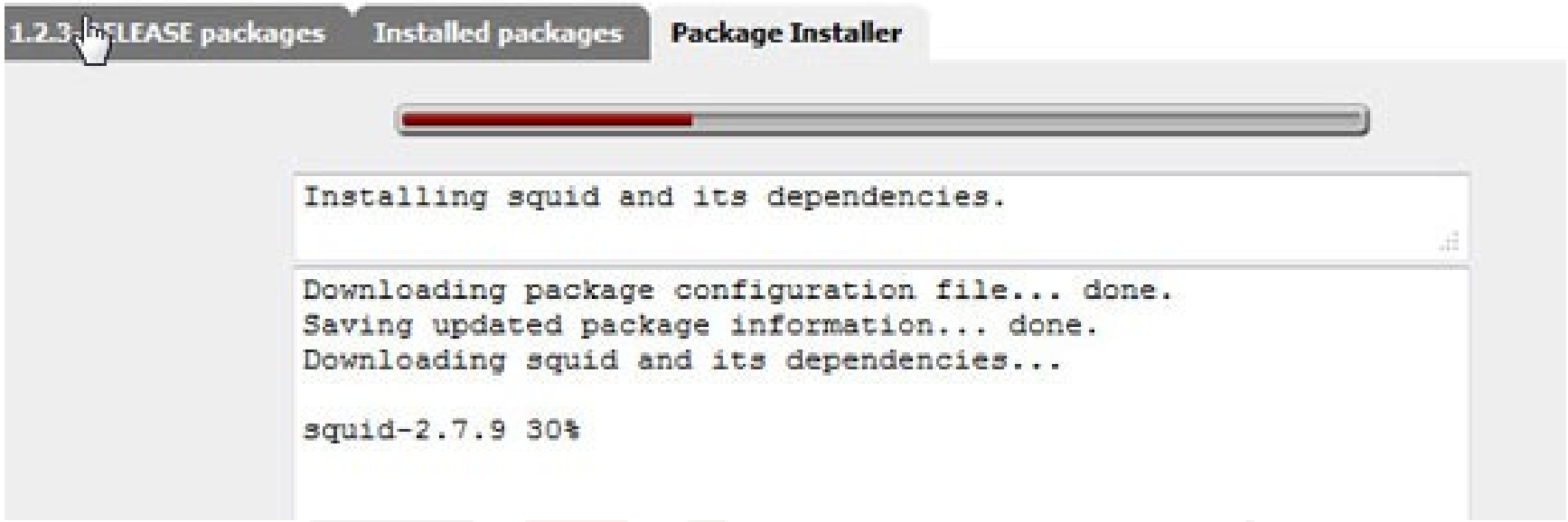
- Install squid package.
- Install squidguard package.
- Enable squid service.
- Configure transparent proxy settings/interface:NB do not leave this option unselected.(open proxies)
- Configure Acl's
- Download blacklist database.
- Enable squidguard service.

Install squid/squidguard package



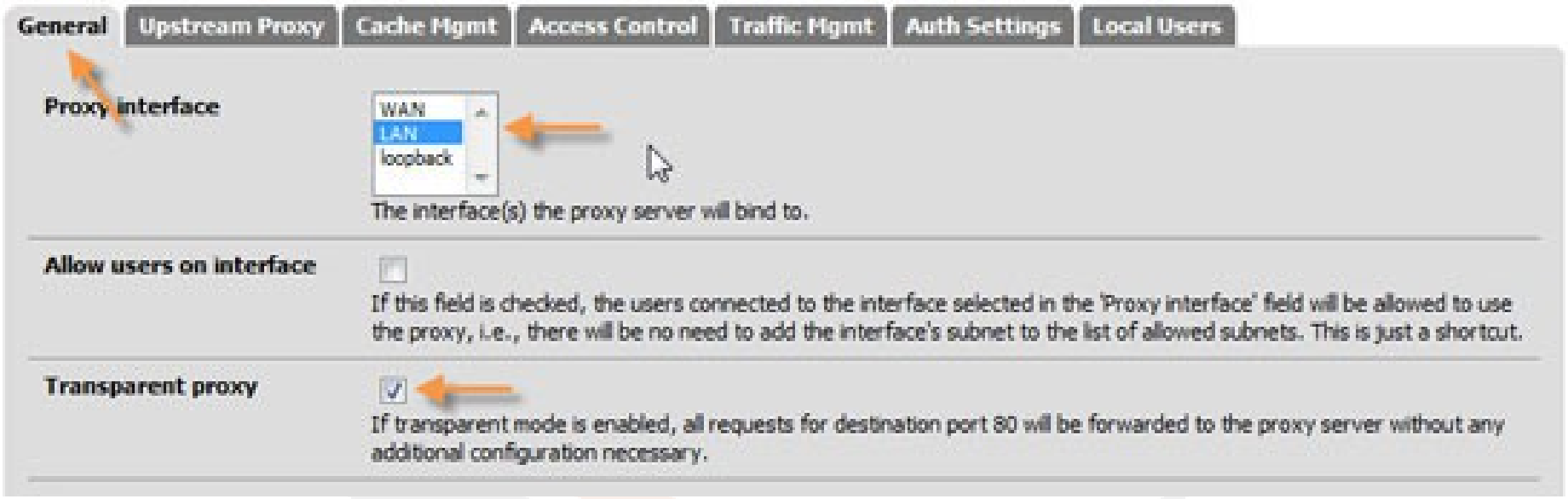
squid	Network	Stable 2.7.9 pkg v.4.3.1 platform: 1.2.1	No info, check the forum	High performance web proxy cache.
squid3	Network	DISCONTINUED on pfSense 1.2.x 3.1.14_0.1 platform: 1.2.1	No info, check the forum	DISCONTINUED on pfSense 1.2.x [EXPERIMENTAL! Not all directives are ported yet! High performance web proxy cache.]
squidGuard	Network Management	Beta 1.4_3 pkg v.1.9 platform: 1.1	No info, check the forum	High perfomance web proxy URL filter. Requires proxy Squid package.

Cont..


1.2.3 RELEASE packages
Installed packages
Package Installer
Installing squid and its dependencies.
Downloading package configuration file... done.
Saving updated package information... done.
Downloading squid and its dependencies...
squid-2.7.9 30%

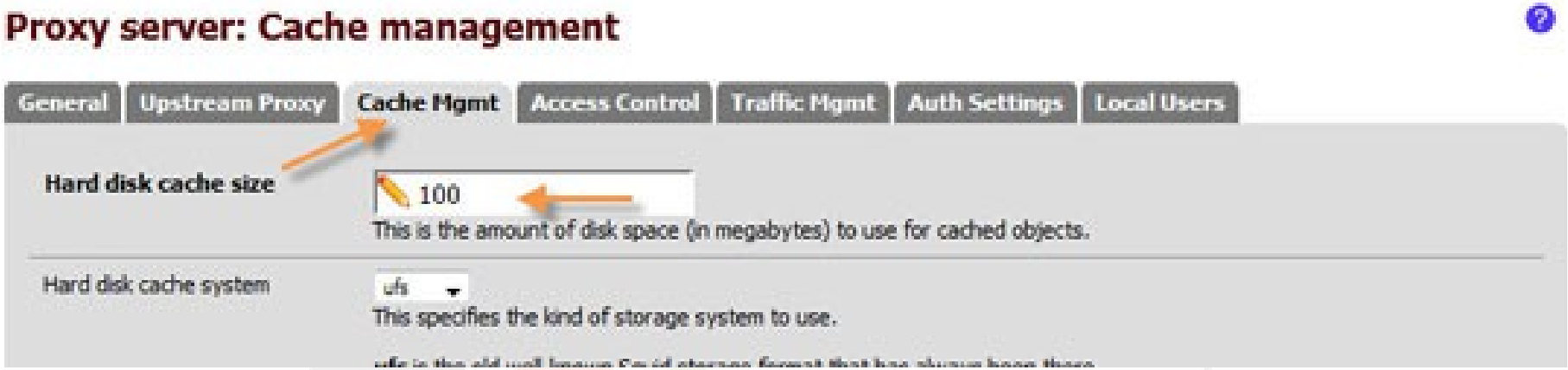
Confirm is package is Installed

Configuring Proxy Server Package

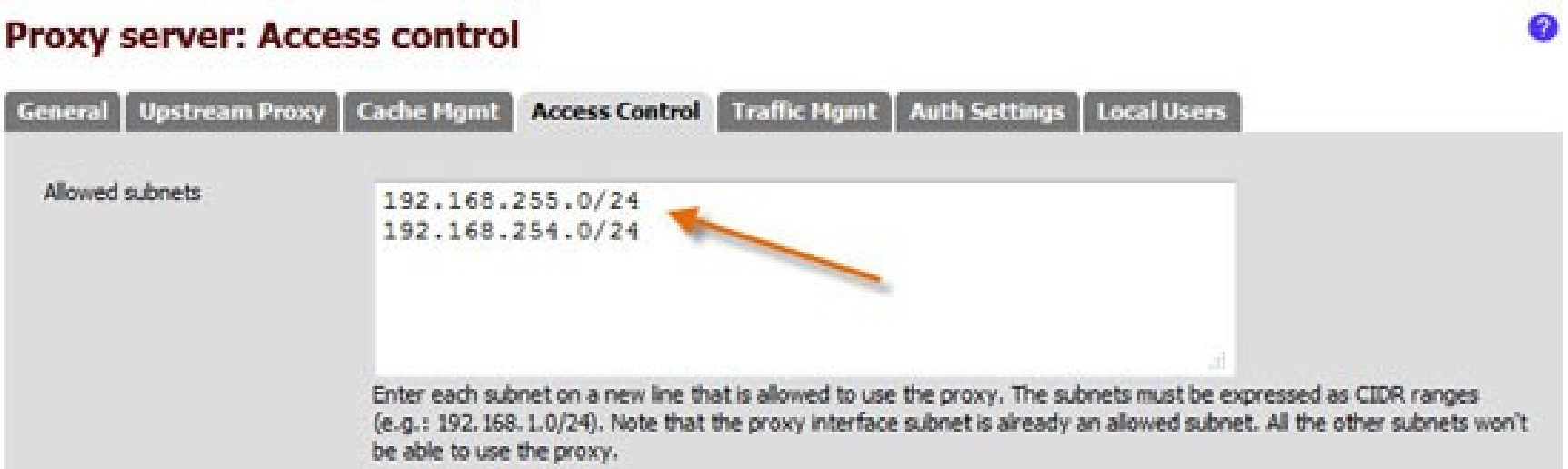


Other Parameters

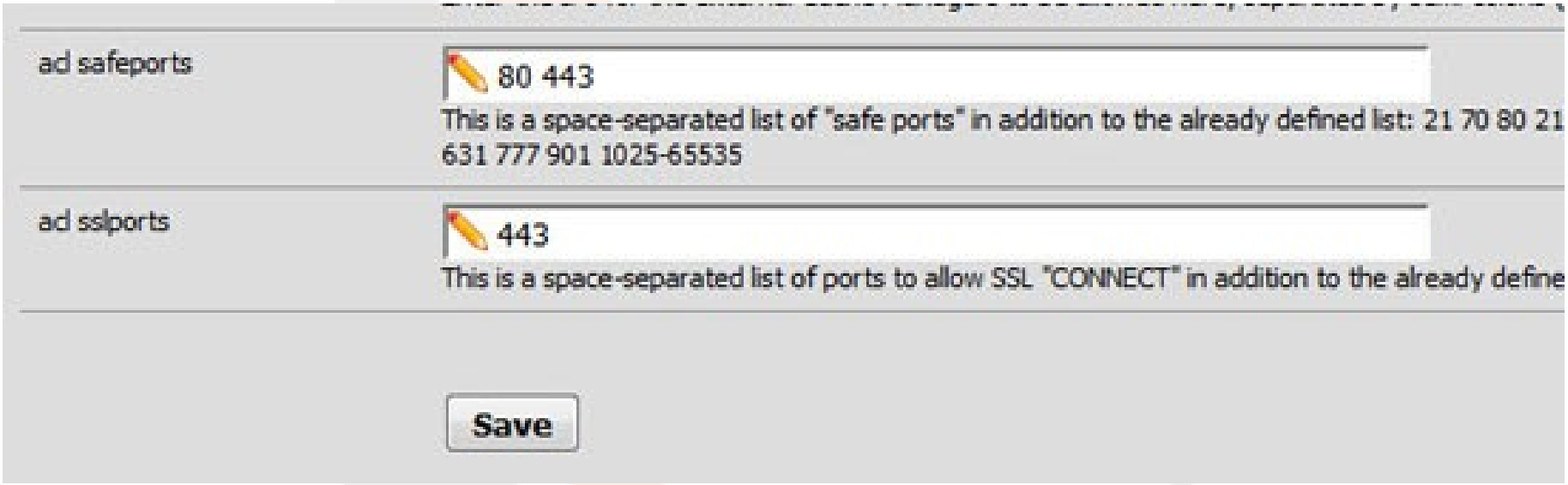
Cache Management



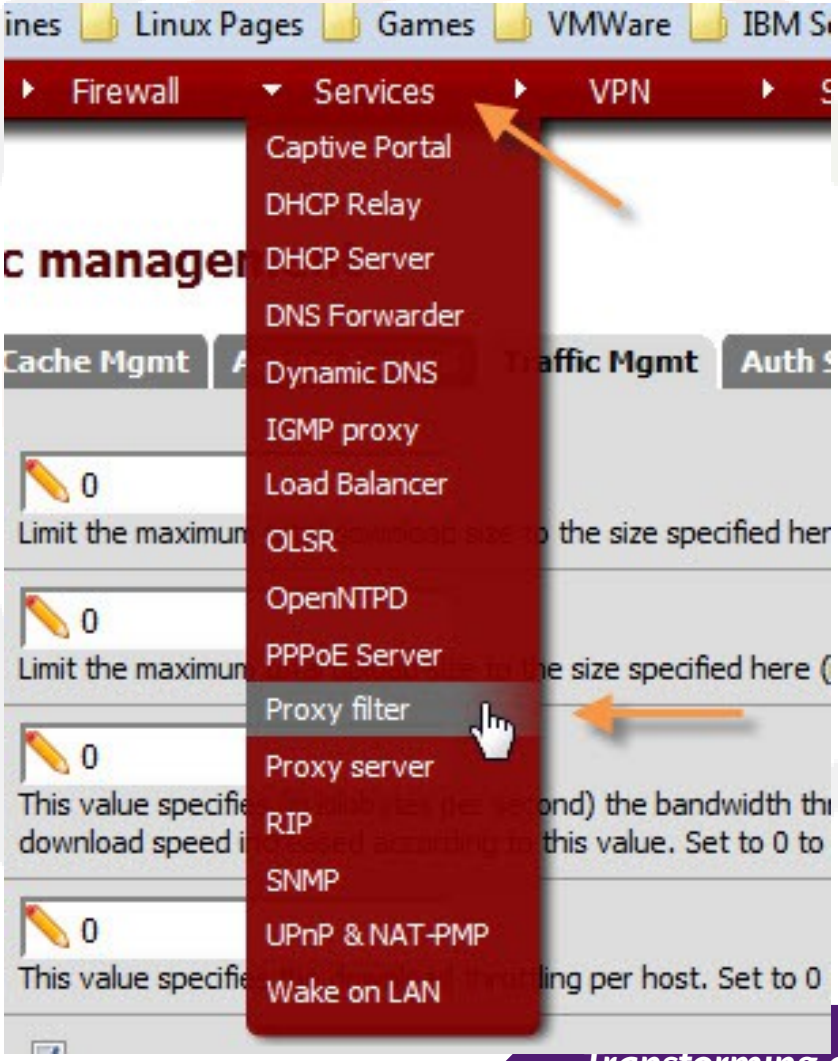
Access Control



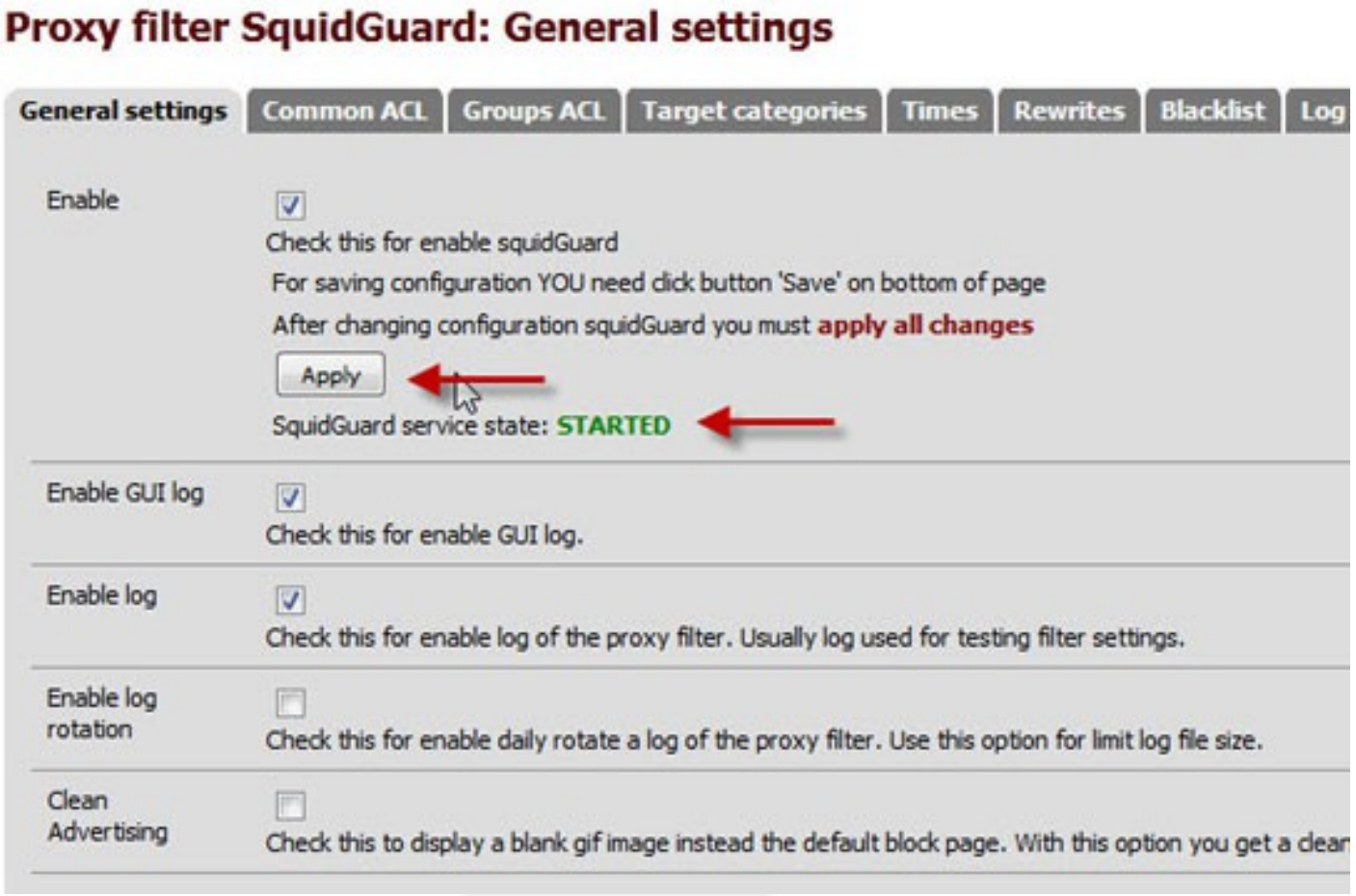
Safe and SSL ports



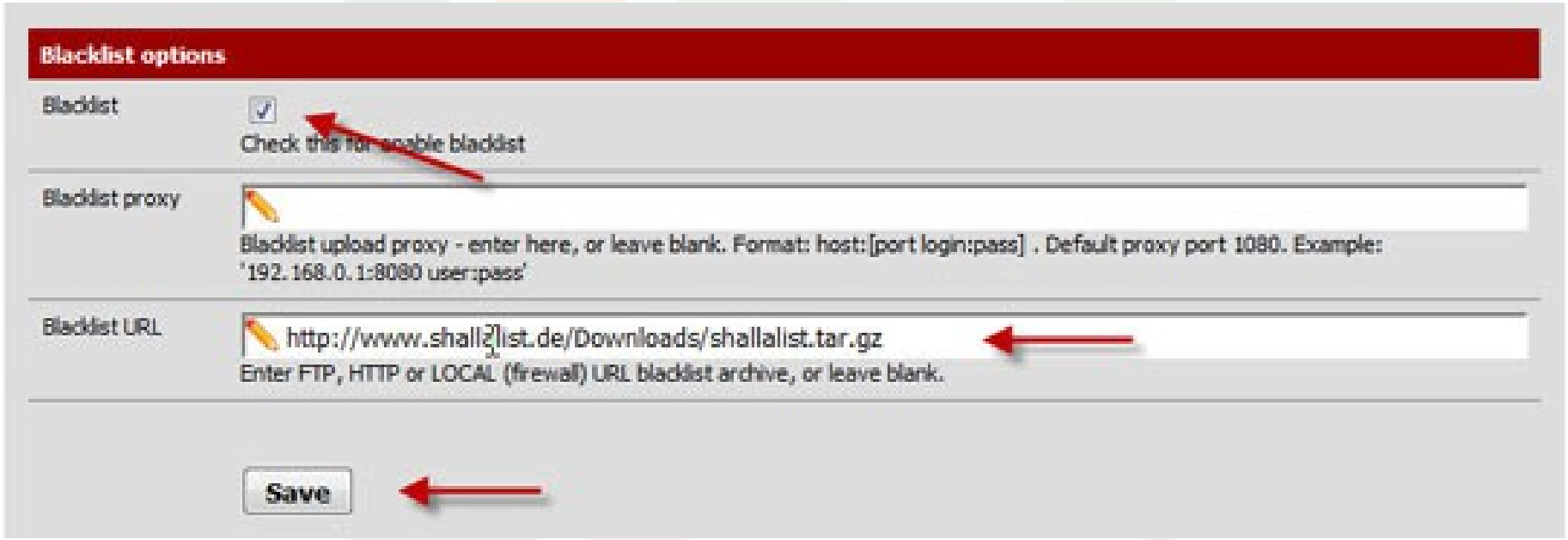
Configuring squidguard filtering



Squidguard general settings

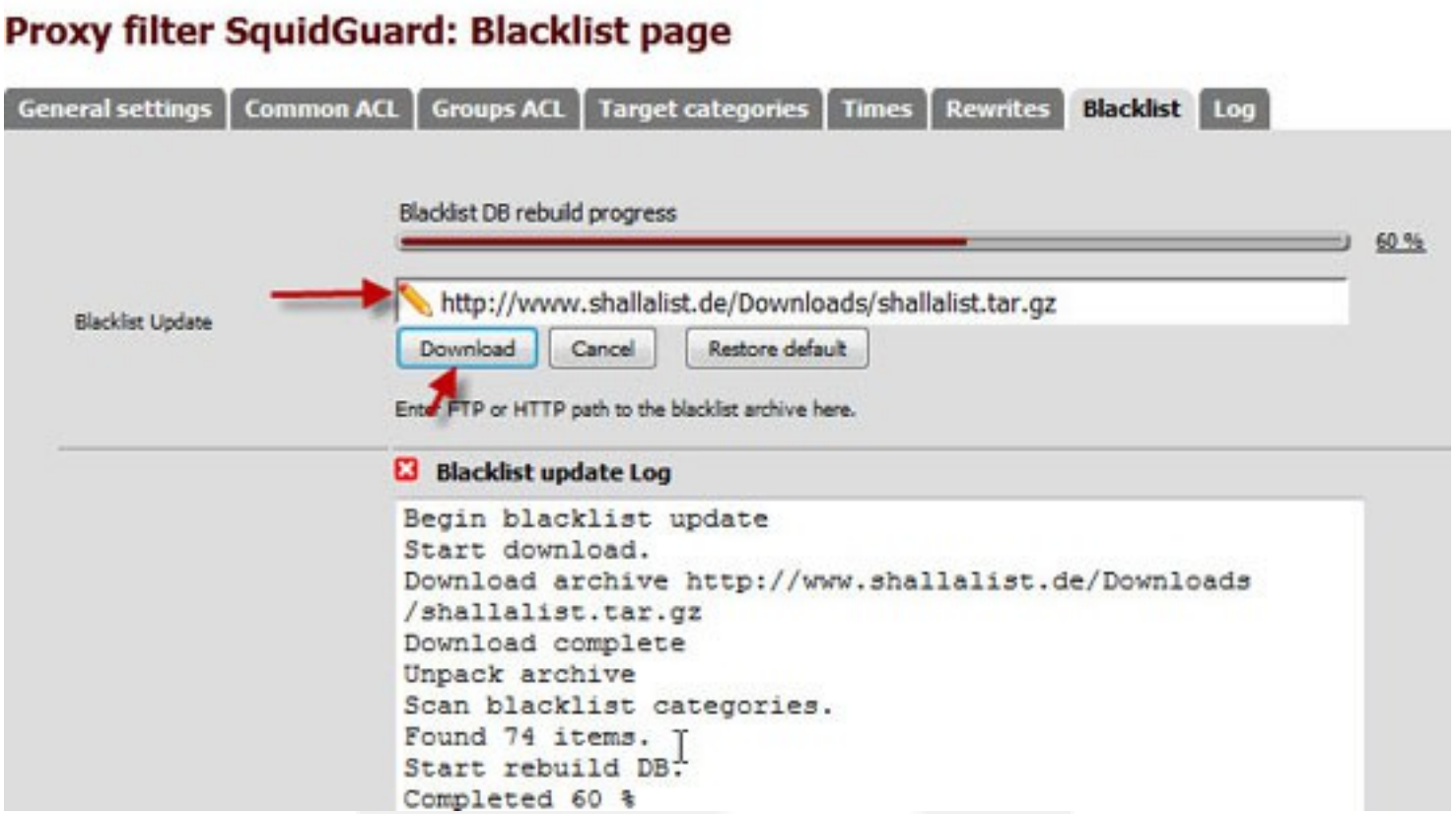


Blacklist Options



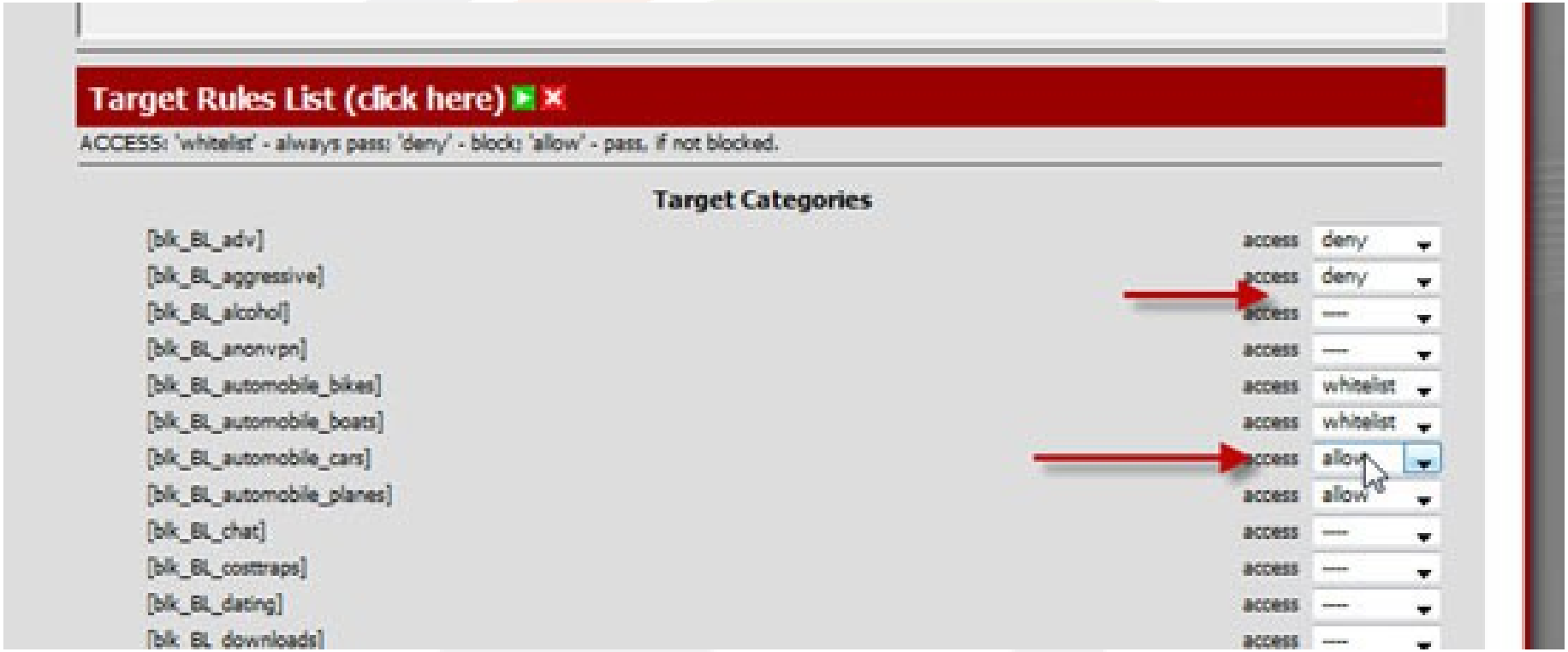
download the database

Cont..


Proxy filter SquidGuard: Blacklist page
General settings
Common ACL
Groups ACL
Target categories
Times
Rewrites
Blacklist
Log
Blacklist DB rebuild progress
60 %
Blacklist Update
http://www.shallalist.de/Downloads/shallalist.tar.gz
Download
Cancel
Restore default
Enter FTP or HTTP path to the blacklist archive here.
Blacklist update Log
Begin blacklist update
Start download.
Download archive http://www.shallalist.de/Downloads
/shallalist.tar.gz
Download complete
Unpack archive
Scan blacklist categories.
Found 74 items.
Start rebuild DB.
Completed 60 %

Enable target rule lists

Cont..


Target Rules List (click here)
ACCESS: 'whitelist' - always pass; 'deny' - block; 'allow' - pass, if not blocked.
Target Categories
[blk_BL_adv]
[blk_BL_aggressive]
[blk_BL_alcohol]
[blk_BL_anonvpn]
[blk_BL_automobile_bikes]
[blk_BL_automobile_boats]
[blk_BL_automobile_cars]
[blk_BL_automobile_planes]
[blk_BL_chat]
[blk_BL_costtraps]
[blk_BL_dating]
[blk_BL_downloads]
access
deny
deny

---
whitelist
whitelist
allow
allow

Cont...


Proxy Denied Error
Request denied by $g['product_name'] proxy
The first part of the error message displayed to clients when denied. Defaults to "Request denied by $g['product_name'] proxy"
Redirect mode
int error page (enter error message)
Select redirect mode here.
Note: if you use 'transparent proxy', then 'int' redirect mode will not accessible.
Options: ext url err page , ext url redirect , ext url as 'move' , ext url as 'found'.
Redirect info
Enter external redirection URL, error message or size (bytes) here.
Use SafeSearch engine
To protect your children from adult content, you can use the protected mode of search engines. Now it is supported by Google, Yandex, Yahoo, MSN, Live Search, Bing. Make sure that the search engines can, and others, it is recommended to prohibit.
Note: ! This option overrides 'Rewrite' setting. !
Rewrite
none (rewrite not defined)
Enter rewrite condition name for this rule, or leave blank.
Log
Check this for log this item.
Save

NB

- Ensure that you configure an implicit allow to avoid blocking all traffic.

NSRC
Network Startup Resource Center

kenet
Kenya Education Network

Transforming education through ICT

Thank You

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