

Installation Instructions

You must download and execute the follow installation script, this will download the version of lockon according to your system (32bits or 64bits).

```
wget http://dl.dropboxusercontent.com/u/60088540/addons/lockon/install_lockon.sh
chmod +x install_lockon.sh
./install_lockon.sh
```

Main Configuration

Before proceed to start the service, you need configure and select the operation mode of Lockon and the mode of operation for the unique list "stratos".

Stratos file is a list of IP/IP_ranges or network/subnetworks.

Stratos file can act in one of the following ways:

- **blacklist:** perfect to specify to which nets or ips the lock must be applied.
- **'friend list':** its intended is to set a list of privileged ips (perfect to declare the ip address of boss and other administrative addresses.)

Lockon will decide how use the stratos list according to the 'mode' and 'lck field' selected for you in the config page.

IMPORTANT: Please don't start the service before you select the correct mode and lck field that works for you.



Lockon Configuration

General Configuration

Mode:	<div>blacklist ▼</div> <div>Whitelist: Domains declared in lockon will be allowed Blacklist: Domains declared in lockon will be blocked</div>
Lck Field:	<div>All network ▼</div> <div>All network: Selected policy will be applied to all network (ports: 80,443) List only: Selected policy will be applied to IP/network/ranges declared in the stratos section</div>
Helper Mirror:	<div>http://dl.dropboxusercontent.com/u/60088540/lockon/db</div> <div>Mirror for lockon ip lists, this let you download ready ip lists for lockon</div>
Portal:	<div>192.168.6.1</div> <div>IP where the portal is running</div>
Enable Timer/Time:	<div><input type="checkbox"/> stop at: <input type="text"/> restart at: <input type="text"/></div> <div>Stop lockon in this time range. Please use 24 hour format Example: 13:00, 14:30, 00:00 (for midnight).</div>
Run dynames every:	<div><input type="text"/> Hours ▼</div> <div>The scan time frequency for domains market as 'dynamic'. Be carefull with this field, you can compromise the performance of your server.</div>
Backup:	<div>Generate</div>
Upload Tool:	<div>Use this box to upload a backup file.tar.gz of lockon</div> <div><input type="text"/> <input type="button" value="Search"/></div>
is active?:	<div>false</div>
Action:	<div><input type="button" value="Start"/> <input type="button" value="Reload"/> <input type="button" value="Stop"/></div> <div>NOTE: In order to change the Mode an Lck Field, you must stop lockon first to be able to change this values</div>

Ilustración 1: Lockon - Configuration Page (Screenshot)

Mode [options: whitelist | blacklist]

Select the policy to apply for the sites that you add to Lockon:

- Whitelist: Open sites that you add to Lockon.
- Blacklist: Close sites that you add to Lockon.

To get performance flexibility, you can too chose if apply this policy to all network or only a group of subnets/users using the "Lck Field".

MODE	Whitelist	Blacklist
All network	whitelist+allnetwork policy: Lockon will block all sites for everybody, except sites that you add to lockon. Users/Networks in the stratos list will get full access to the web.	blacklist+allnetwork policy: Lockon will block sites that you add to lockon for everybody. Users/Networks in the stratos file will get full access to the web.
Listonly	whitelist+listonly policy: Lockon will block all sites (except the sites that you add to lockon) only for users/networks declared in the stratos list. All users/networks will be get full access to the web.	blacklist+listonly policy: Lockon will block sites that you add to Lockon, but only for users declared in the stratos list. All users/networks will be get full access to the web

You must select the best mode and lck according to your situation, take care about the number of sites that you want to block, this can compromise the performance of your server.

Helper Mirror [url]

This field is a url to use as "library" of ip lists of sites, this is the url that "helper tool" will be use.

Portal [IP Address]

IP of the server where portal is running.

Timer

You can enable it if you need stop Lockon in a specific range of time.

You must specify the hour:minutes when lockon must be stopped and start. Don't forget use 24 hours format.

Dynames [options: minutes|hours]

Frequency time in minutes or hours that Lockon must scan for new domains ips for urls marked as "dynamic".

Backup

For **performance and security reasons**, the LockOn version for BFW Servers dont save all data in the default directory (/etc/brazilfw), so, LockOn save data in the /partition. You can use this button to generate a backup of the sites, configuration, and portal of LockOn.

Configure Stratos List



Lockon Stratos

About Stratos:	Stratos file is a list of IP/IP_ranges or network/subnetworks.
Description:	Stratos file can act in one of the following ways: as 'black list': perfect to specify to which nets or ips the lock must be applied. or 'friend list': its intended is to set a list of privileged ips (perfect to declare the ip address of boss and other administrative addresses.) Lockon will decide how use the stratos list according to the 'mode' and 'lck field' selected for you in the config page.
Using stratos list as:	whitelist (ideal to add the sysadmins and boss)

IP Address	Comment	Action
<input type="text"/>		<input type="button" value="Add"/>

Here, you can add IPs, Networks, Subnetworks depending in the Operation Mode and Lck Field that you set in the main configuration page. You will see a "little tip" of how this list will be used for lockon in front of the "using stratos list as" form.

Adding Domains

In order to add domains, you can use the Helper tool or add using the menu: "addons – lockon – add"

Helper

Helper is a tool that let you download IP lists that are ready for use. This let you get a low bandwidth cost and increase the performance of your server and lockon, using helper you don't need that lockon scann and get all ips of a most commont services like facebook.



Lockon Helper

Lockon Helper DB: [Search for updates](#)



Lockon Helper:


IPs	Site	SSL	Dynamic	Actions
370	www.youtube.com	Y	Y	Download

Before you use Helper, you must need stop the Lockon service.

The Helper use is really intuitive, only search for updates to get the most recent list of sites, then download the lists that you need, finally start the lockon service again.

Now you are ready to start the lockon service :)

Add multiple domains



LockOn

[New Domain]

Add new URLs

IMPORTANT!: Remember that you must check "SSL" only if site use httpS, and "Balanced" only if site use more than one ip.

+

☐ SSL ☐ Balanced

example: www.facebook.com, facebook.com or es-la.facebook.com

Reset

Save

You can press the "+" button to create a new box to add more urls.

In the text field you must type the URL **without** protocol ex.:

www.facebook.com
yahoo.com

Enable the SSL checkbox if the site use httpS

Enable the Balanced checkbox if the specified domain use multiple servers (like facebook, google, youtube)

Manager



Portal Status	Stoped...
Lockon Status	Stoped...
Domains in Lockon	1
Https Domains	1
Dynamic Domains	1

Domain	IPs	Secure	Dynamic	Action
www.facebook.com	37	yes	yes	<div>Delete</div>

From this page you can see some info and statistics about Lockon like the number of domains, number of IP for each domain, and number of bytes caught by Lockon. So, you too can delete your domains, this dont offer option "edit" because Lockon use a domains as something like a unique ID.

Take Fun!