# shadowsocks-manager

A shadowsocks manager tool for multi user and traffic control.  
Base on Node.js and SQLite.

For more details, you can see [docs](https://shadowsocks.github.io/shadowsocks-manager/).

If you want to use the old version, please switch to [this branch](https://github.com/shadowsocks/shadowsocks-manager/tree/version1).

## WebGUI Demo:

[https://shadowghost.app](https://ssmgr.gyteng.com)

## FreeAccount Demo:

[https://free.gyteng.com](https://free1.gyteng.com)

## Dependencies

* Node.js 10.\*
* Redis

## Install

### From source:

git clone https://github.com/shadowsocks/shadowsocks-manager.git  
cd shadowsocks-manager  
npm i

use node server.js to run this program.

### From npm:

npm i -g shadowsocks-manager

You may need to use the --unsafe-perm flag if you receive an permission error

npm i -g shadowsocks-manager --unsafe-perm

use ssmgr to run this program.

### From docker:

docker run --name ssmgr -idt -v ~/.ssmgr:/root/.ssmgr --net=host gyteng/ssmgr [ssmgr params...]

### Build docker image:

here is the Dockerfile

FROM ubuntu:18.04  
MAINTAINER gyteng <igyteng@gmail.com>  
RUN apt-get update && \  
 export DEBIAN\_FRONTEND=noninteractive && \  
 apt-get install tzdata iproute2 curl git sudo software-properties-common python-pip -y && \  
 pip install git+https://github.com/shadowsocks/shadowsocks.git@master && \  
 curl -sL https://deb.nodesource.com/setup\_8.x | bash - && \  
 apt-get install -y nodejs shadowsocks-libev && \  
 npm i -g shadowsocks-manager --unsafe-perm && \  
 echo "Asia/Shanghai" > /etc/timezone && \  
 rm /etc/localtime && \  
 dpkg-reconfigure -f noninteractive tzdata  
CMD ["/usr/bin/ssmgr"]

### Usage

1. Start shadowsocks with [manager API](https://github.com/shadowsocks/shadowsocks/wiki/Manage-Multiple-Users), it supports shadowsocks-python and shadowsocks-libev. For example, you can run this command:

* ss-manager -m aes-256-cfb -u --manager-address 127.0.0.1:6001  
   or  
  ssserver -m aes-256-cfb -p 12345 -k abcedf --manager-address 127.0.0.1:6001

1. run ssmgr with type s:

config file:  
``` type: s

shadowsocks: address: 127.0.0.1:6001 manager: address: 0.0.0.0:4001 password: '123456' db: 'ss.sqlite' ```

If you want to use MySQL, the db must like this:

db: host: '1.1.1.1' user: 'root' password: 'abcdefg' database: 'ssmgr'

And you have to close only\_full\_group\_by when the version of MySQL is greater than 5.7

command:  
ssmgr -c /your/config/file/path.yml

1. If you have several servers, you have to run step 1 and step 2 in every server.  
   The listening address in --manager-address of step 1 and in shadowsocks -> address of step 2's config file must be same. For security reseon, we recommend you to use 127.0.0.1 instead of 0.0.0.0.
2. Now you can use the plugins to manage them. You can read the details in plugins readme page.

+-------------+ +-------------+ +------+  
| Shadowsocks | | Shadowsocks | ... | |  
| manager API | | manager API | | |  
+-------------+ +-------------+ +------+  
 | | |  
 | | |  
+-------------+ +-------------+ +------+  
| ssmgr | | ssmgr | ... | |  
| with type s | | with type s | | |  
+-------------+ +-------------+ +------+  
 | | |  
 +------------+----+-------- ... ---+  
 |  
 |  
 +---------------+  
 | ssmgr plugins |  
 | with type m |  
 +---------------+

### Plugins

[telegram](https://github.com/shadowsocks/shadowsocks-manager/blob/master/plugins/telegram/README.md)  
[freeAccount](https://github.com/shadowsocks/shadowsocks-manager/blob/master/plugins/freeAccount/README.md)  
[webgui](https://github.com/shadowsocks/shadowsocks-manager/blob/master/plugins/webgui/README.md)

### Parameter

ssmgr --help will show startup parameters info.

Usage: ssmgr [options]  
  
 Options:  
  
 -h, --help output usage information  
 -V, --version output the version number  
 -c, --config [file] config file, default: ~/.ssmgr/default.yml  
 -d, --db [file] sqlite3 file, sample: ~/.ssmgr/db.sqlite  
 -t, --type [type] type, s for server side, m for manager side  
 -s, --shadowsocks [address] ss-manager address, sample: 127.0.0.1:6001  
 -m, --manager [address] manager address, sample: 0.0.0.0:6002  
 -p, --password [password] manager password, both server side and manager side must be equals  
 -r, --run [type] run shadowsocks from child\_process, sample: libev / libev:aes-256-cfb / python / python:aes-256-cfb  
 --debug show debug message

First, ssmgr will read the config file in --config, and other parameters(-detsmp) will replace the config file values.

### Translate

If your want to help to translate it to other languages, please edit files [here](https://github.com/shadowsocks/shadowsocks-manager/tree/dev/plugins/webgui/public/translate) and give me a pull request.

### Telegram Group

Join the group if you have some problem: <https://t.me/ssmgr>

### VPS recommendation

* [Linode](https://www.linode.com/?r=bbc24323b3adaf3d74f242fd958d91b55cc6fdea)
* [DigitalOcean](https://m.do.co/c/d43891b79a52)
* [Vultr](https://www.vultr.com/?ref=6926595)
* [AlibabaCloud](https://account-intl.aliyun.com/register/intl_register.htm?biz_params=%7B%22intl%22%3A%22%7B%5C%22referralCode%5C%22%3A%5C%22koa26v%5C%22%7D%22%7D)
* [BandwagonHost](https://bandwagonhost.com/aff.php?aff=19999)

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* WeChat Pay
* Paypal  
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