

INSTALL SIRIPROXY ON MAC OS X : REFERENCE NOTES

a tutorial by Stéphane Adam Garnier

to contribute ,or discuss about each steps > [github: stephaneAG](https://github.com/stephaneAG) / www.stephaneadamgarnier.com
& special thx to seanbehan.com for the RVM install process (usually for another purpose: installing Rails on Mac OS X)

USUAL CMDs REMINDER:

```
- cd SiriProxy          / SiriProxy directory
- cd bin                / SiriProxy's bin directory
- rvmsudo ./siriproxy update / updates SiriProxy online sources
- rvmsudo ./siriproxy bundle / update SiriProxy local sources
- rvmsudo ./siriproxy server / launch SiriProxy server
```

FIRST OF ALL > YOUR NEEDS :

```
MacPorts      > required for dnsmasq   > http://www.macports.org > downloads section > Mac OS X Package ( *.pkg ) Installer > select OS X version
SiriProxy-plamoni > the SiriProxy server > https://github.com/plamoni/SiriProxy > download sources as *.zip / clone github
```

Let's do this !

1 > INSTALL RVM :

```
* installing RVM :
bash < <(curl -s https://rvm.beginrescueend.com/install/rvm) //> in case it is not your first rvm installation or if you ever had problems , otherwise :
bash < <(curl -s https://raw.github.com/wayneeseguin/rvm/master/binscripts/rvm-installer)
```

```
*set the RVM path :
[[ -s "$HOME/.rvm/scripts/rvm" ]] && . "$HOME/.rvm/scripts/rvm"
```

```
*adding to bash profile ( # place in ~/.bash_profile as the very last line ) [ > setting the RVM path to be set up each time we login ] :
echo "[[ -s \"$HOME/.rvm/scripts/rvm\" ]] && . \"$HOME/.rvm/scripts/rvm\" # Load RVM function" >> ~/.bash_profile
```

```
*check if everything went well ( should output: "rvm is a function" ) [ else , try " [[ -s \"$HOME/.rvm/scripts/rvm\" ]] && source \"$HOME/.rvm/scripts/rvm\" " ] :
type rvm | head -n1
```

```
*to add ruby, we pass it the version we want to install / reinstall ( ex: rvm reinstall 1.8.7 ) :
rvm install 1.9.3
```

```
!;####
## > The current terminal session will load this environment.
## New sessions will not. To use a version of ruby and set it as the default one,
## we have to pass it the --default option
####
```

```
*setting the version installed as the one by default:
rvm use 1.9.3 --default
```

//> RVM should now be installed correctly on our Mac.

2 > INSTALL SIRIPROXY SERVER (start either by downloading a *.zip copy or by cloning the github) :

```
*clone the github repo :
git clone git://github.com/plamoni/SiriProxy.git
```

```
*enter the SiriProxy directory :
cd SiriProxy
```

```
*install SiriProxy ( can take a while ) :
rvmsudo rake install
```

```
*create a .siriproxy directory in the home directory ( > aka curet user directory ) :
mkdir ~/.siriproxy
```

```
*copy the provided example config file from the "SiriProxy" directory to the ".siriproxy" directory :
cp ./config.example.yml ~/.siriproxy/config.yml
```

//> SiriProxy should now be installed correctly on our Mac.

3 > GENERATES THE REQUIRED IPHONE CERTIFICATES :

nb: there are two methods available to generates the required certificates: the simple way and the normal way:

*generate the certificates, first way:

```
*generate certificates :
siriproxy gencerts
```

//>done!

*generate the certificates, second way:

```
*create a new directory :
mkdir ca
```

```
*enter it :
cd ca
```

```
*new ca cmd :
/System/Library/OpenSSL/misc/CA.pl -newca > Common Name: 'Your Certificate Name'
```

```
*new ca request cmd :
/System/Library/OpenSSL/misc/CA.pl -newreq > Common Name: 'guzzoni.apple.com' [ important !]
```

```
*sign ca cmd :
/System/Library/OpenSSL/misc/CA.pl -sign
```

```
*make server keyless cmd 1 :
openssl rsa -in newkey.pem -out server.passless.key
```

```
*make server keyless cmd 2 :
cp newcert.pem server.passless.crt
```

```
*make server keyless cmd 3 :
mv server.passless.* ./
```

//>done!

//> You should now be able to install the fresh certificate to your iphone (either mail it to yourself & open it / dropbox it , open link , copy ,paste in safari & go).
nb: if you did it the first way, your certificate should be named SiriProxyCA , in other cases, its name will be set to the common name given.

4 > INSTALL THE DNS MASQ :

```
*install dnsmasq form macports repo :
sudo port install dnsmasq
```

*edit the "/opt/local/etc/dnsmasq.conf" file, add "address=/guzzoni.apple.com/your-computer-IP" right under the "double-click.net" line (L . 62):

address=/guzzoni.apple.com/192.168.1.13

*we check the dns mask (if needed, load it first : "sudo port load dnsmasq") :
sudo dnsmasq

//> Dnsmasq should now be installed correctly on our Mac.

5 > LAUNCH SIRIPROXY SERVER :

last but not least, we can now update / bundle / launch our personal SiriProxy server

To start the server :

*go to the "SiriProxy" directory :
cd SiriProxy

*got to the "bin" subfolder in the "SiriProxy" directory :
cd bin

*start the server :
rvmsudo ./siriproxy server

//> Our SiriProxy server should now be up and running.

//> To test it, simply launch Siri on your iPhone and say: "Siri test proxy" ; It should say : "Up and running".

To update the server from the github sources specified in the config.yml file ('git') :

*go to the "SiriProxy" directory :
cd SiriProxy

*got to the "bin" subfolder in the "SiriProxy" directory :
cd bin

*start the server :
rvmsudo ./siriproxy update

//> Our SiriProxy server should now have updated its sources.

//> To test it, restart the server.

To update the server from the local sources specified in the config.yml file (" ") :

*go to the "SiriProxy" directory :
cd SiriProxy

*got to the "bin" subfolder in the "SiriProxy" directory :
cd bin

*start the server :
rvmsudo ./siriproxy bundle

//> Our SiriProxy server should now have bundled its sources.

//> To test it, restart the server.

//> Now we have to set the 'DNS' of the network we're connecting to according to your SiriProxy server ip adress (the one we previously specified in the dnsmasq.conf file)

//> Now enjoy your fresh new SiriProxy server , and start to learn on how to make some plugins to share with others ! :p

//> ! > Don't forget : to stop properly stop the server, 'hit Ctrl + C'

6 (not obligatory step) > FURTHER INTERESTING INSTALLATIONS :

*want to use the rb-appscript (Ruby - Applescript bridge) ? : 'sudo gem install rb-appscript'

PROBLEMS ?

If an ' Can not start on 443 : are you root , have you any other process on ... ' error is thrown :

try:

*quit dnsmasq process(es)
*restart server

still not working:

*quit ruby process(es)
*quit dnsmasq process(es)
*restart server

! > verify that server.passless.crt & server.passless.key are both in the .siriproxy folder

Else, if an ' Failed : already in use ' error is thrown : try :

*quit dnsmasq process(es) : 'sudo kill -9 PID' // Nb: where PID is the process ID (visible in Terminal with the 'top' cmd , or in Activity monitor App)
*removing dnsmasq : 'rvmsudo port uninstall dnsmasq'
*reinstalling dnsmasq : 'sudo port install dnsmasq'
*restart server : 'rvmsudo ./siriproxy server'

#####

RELATED AND USEFUL 1 > MAC OS X UNIX COMMANDS ("LIFESAVERS") :

these few commands may save you a lifetime of diggin' through internet to get THE correct answer to your problem
! > the following commands works for Mac Os X , generally Mac OS, maybe freeBSD, but not sure for other systems

*to list processes : 'top'

*to list network processes on a specific port : 'sudo lsof -i :443'

*to list network processes listening on a specific port : 'sudo lsof -i :443 | grep LISTEN'

*to kill process regarding the dnsmasq : 'sudo killall named'

*to kill a process : 'sudo kill -9 PID'

*to flush mac os x dns cache : 'dscacheutil -flushcache'

RELATED AND USEFUL 2 > CUSTOM CONFIG.YML FILE CONTENTS :

this is a copy of my actual config.yml file, I hope it will help

##config.yml start ##

port: 443

log_level: 1

plugins:

NOTE: run bundle after changing plugin configurations to update required gems

- name: 'ThatWillDoTheTrick'

git: 'git://github.com/stephaneAG/siriproxy-mod.git'

- name: 'ThatsWhatSheSaid'

git: 'git://github.com/johnbaker/SiriProxy-ThatsWhatSheSaid.git'

- name: 'Example'

path: './plugins/siriproxy-example'

- name: 'SiriIMDB'

git: 'git://github.com/parm289/SiriProxy-SiriIMDB.git'

- name: 'Thermostat'

git: 'git://github.com/plamoni/SiriProxy-Thermostat.git'

host: '192.168.2.71'

```
# - name: 'Thermostat'
# git: 'git://github.com/plamoni/SiriProxy-Thermostat.git'
# host: '192.168.2.71'

# - name: 'Thermostat'
# git: 'git://github.com/plamoni/SiriProxy-Thermostat.git'
# host: '192.168.2.71'

# - name: 'Twitter'
# path: './plugins/siriproxy-twitter' # path works just like specifying in gemfile
# consumer_key: "YOUR_KEY"
# consumer_secret: "YOUR_SECRET"
# oauth_token: "YOUR_TOKEN"
# oauth_token_secret: "YOUR_TOKEN_SECRET"

# Note: Eliza should not be run with other plugins
# - name: 'Eliza'
# path: './plugins/siriproxy-eliza' # path works just like specifying in gemfile

# Below are not actual plugins, just further example of config options

# - SimplePlugin # simple syntax for plugins that are in rubygems and have no config

# - name: 'AnotherPlugin'
# git: 'git://github.com/netpro2k/SiriProxy-AnotherPlugin.git' # git works just like specifying in Gemfile

##config.yml end ##
```