

# instalación rápida debian 6 como seedbox

- /vía: <http://pastebin.com/Kx8sLk46>
- /vía: <http://www.linuxquestions.org/questions/linux-general-1/problem-using-screen-cannot-open-your-terminal-dev-pts-0-please-check-338313/>: problemas con screen
- configuración rtorrent+rutorrent+screen: /vía: <https://ks358174.kimsufi.com/download.CFF9640E/>
- reiniciar rtorrent (<https://www.feralhosting.com/faq/view?question=158>)

## instalación básica

0.sh

```
apt-get update && apt-get upgrade
apt-get install vim
useradd -m -d /home/user user
useradd -m -d /home/www www-data

//su www-data & cd /home/www
mkdir -p /home/www/public
mkdir -p /home/www/private
mkdir -p /home/www/log
mkdir -p /home/www/auth
chown -R www-data:www-data /home/www

// ^D & su user & cd
mkdir -p /home/user/completo
mkdir -p /home/user/downloading
mkdir -p /home/user/torrent
chown -R user:user /home/user

ln -s /home/user/completo /home/www/public/completo
ln -s /home/user/downloading /home/www/public/descargando
ln -s /home/user/torrent /home/www/public/torrent
apt-get install sudo
vim /etc/sudoers
```

- debajo de root ALL=(ALL) ALL → user ALL=(ALL) ALL
- o añadir al usuario al grupo **sudo** → usermod -a -G sudo user
- [https://wiki.archlinux.org/index.php/Locale\\_\(Espa%C3%B1ol\)](https://wiki.archlinux.org/index.php/Locale_(Espa%C3%B1ol))

## instalación paquetes básicos

- sudo apt-get install apache2 apache2-utils autoconf build-essential ca-certificates comerr-dev libapache2-mod-php5 libcloog-ppl-dev libcppunit-dev libcurl3 libcurl4-openssl-dev libncurses5-dev ncurses-base ncurses-term libterm-readline-gnu-perl libsigc++-2.0-dev libssl-dev libtool libxml2-dev ntp openssl patch libperl-dev php5 php5-cli php5-dev php5-curl php5-geoip php5-mcrypt php5-xmlrpc pkg-config python-scgi dtach ssl-cert subversion zlib1g-dev pkg-config unzip htop irssi curl cfv

## configuración apache & php

### base

- módulos seguridad apache:
  - `sudo a2enmod ssl && sudo a2enmod auth_digest && sudo a2enmod rewrite`
  - `sudo vim /etc/apache2/apache2.conf`
    - cambiamos `Timeout 30` (valor por defecto 300)
    - añadimos al final: `ServerTokens Prod`
- `sudo service apache2 restart`
- `echo '<?php phpinfo(); ?>' | sudo tee /var/www/info.php`
- para comprobar:
  - <http://seedbox.torresegea.s> → «It Works»
  - <http://seedbox.torresegea.s/info.php> → Configuración PHP instalado
- crear certificado (válido 3650): `sudo openssl req -new -x509 -days 3650 -nodes -newkey rsa:2048 -out /etc/apache2/apache.pem -keyout /etc/apache2/apache.pem && chmod 600 /etc/apache2/apache.pem`
- activar usuario y contraseña para el directorio `rtorrent`: `sudo htdigest -c /etc/apache2/htpasswd rtorrent user`

### conf1

```
<VirtualHost *:80>
    RewriteEngine on
    RewriteCond %{SERVER_PORT} =80
    RewriteRule ^(.*) https://%{SERVER_NAME}%{REQUEST_URI}
</VirtualHost>

<VirtualHost *:443>
    ServerAdmin webmaster@localhost

    SSLEngine on
    SSLOptions +StdEnvVars +ExportCertData
# SSLCertificateFile /etc/apache2/apache.pem
    SSLCertificateFile /etc/apache2/certificados/Servidor_certificado.crt
    SSLCertificateKeyFile /etc/apache2/certificados/Servidor_privada.key
    SSLCACertificateFile /etc/apache2/certificados/CertificadosRaiz.crt

    DocumentRoot /var/www/
# <Directory />
#     Options FollowSymLinks
#     AllowOverride All
# </Directory>

    <Directory /var/www/>
        Options -Indexes FollowSymLinks MultiViews
        AllowOverride None
        Order allow,deny
        allow from all
    </Directory>

    <Location /rtorrent.CFF9640E>
        AuthType Digest
```

```
    AuthName "rtorrent"
    AuthDigestDomain /var/www/rtorrent/
https://ks358174.kimsufi.com/rtorrent

    AuthDigestProvider file
    AuthUserFile /etc/apache2/htpasswd3
    Require valid-user

    Options Indexes
    Order allow,deny
    allow from all
</Location>

    ErrorLog /var/log/apache2/error.log

# Possible values include: debug, info, notice, warn, error, crit,
# alert, emerg.
    LogLevel warn

    CustomLog /var/log/apache2/access.log combined

<Location /rutorrent>
    AuthType Digest
    AuthName "rutorrent"
    AuthDigestDomain /var/www/rutorrent/ https://ks358174.kimsufi.com/rutorrent

    AuthDigestProvider file
    AuthUserFile /etc/apache2/htpasswd3
    Require valid-user
#    SetEnv R_ENV "/var/www/rutorrent"

    Options Indexes
    Order allow,deny
    allow from all
</Location>

<Directory /var/www/rutorrentcert>
    SSLVerifyClient require
    SSLVerifyDepth 2
    SSLRequire (%{SSL_CLIENT_V_REMAIN} >= "0" \
        and %{SSL_CLIENT_I_DN_O} eq "Mate")
    # ErrorDocument 403 https://...
</Directory>
</VirtualHost>
```

## conf2

```
<VirtualHost *:80>
ServerAdmin webmaster@localhost

DocumentRoot /var/www/
<Directory />
Options FollowSymLinks
AllowOverride All
</Directory>
```

```
<Directory /var/www/>
Options -Indexes FollowSymLinks MultiViews
AllowOverride None
Order allow,deny
allow from all
</Directory>

ErrorLog /var/log/apache2/error.log

# Possible values include: debug, info, notice, warn, error, crit,
# alert, emerg.
LogLevel warn

CustomLog /var/log/apache2/access.log combined

<Location /rutorrent>
AuthType Digest
AuthName "rutorrent"
AuthDigestDomain /var/www/rutorrent/ http://ks358174.kimsufi.com/rutorrent

AuthDigestProvider file
AuthUserFile /etc/apache2/htpasswd
Require valid-user
SetEnv R_ENV "/var/www/rutorrent"
</Location>

</VirtualHost>

<VirtualHost *:443>
ServerAdmin webmaster@localhost

SSLEngine on
SSLCertificateFile /etc/apache2/apache.pem

DocumentRoot /var/www/
<Directory />
Options FollowSymLinks
AllowOverride All
</Directory>
<Directory /var/www/>
Options -Indexes FollowSymLinks MultiViews
AllowOverride None
Order allow,deny
allow from all
</Directory>

ErrorLog /var/log/apache2/error.log

# Possible values include: debug, info, notice, warn, error, crit,
# alert, emerg.
LogLevel warn

CustomLog /var/log/apache2/access.log combined
<Location /rutorrent>
AuthType Digest
AuthName "rutorrent"
```

```
AuthDigestDomain /var/www/rutorrent/ http://ks358174.kimsufi.com/rutorrent

AuthDigestProvider file
AuthUserFile /etc/apache2/htpasswd
Require valid-user
SetEnv R_ENV "/var/www/rutorrent"
</Location>
</VirtualHost>
```

## conf3

### otro\_ejemplo

```
ServerName localhost

<VirtualHost *:80>

    ServerAdmin admin@rutorrent
    ServerName localhost
    DocumentRoot /var/rutorrent

    <Directory />
        AllowOverride None
        Order deny,allow
        Deny from all
    </Directory>
    <Location />
        AuthType Basic
        AuthName "My ruTorrent web site"
        AuthUserFile "/etc/apache2/rutorrent_passwd"
        Require valid-user
        Order allow,deny
        Allow from all
    </Location>
    <Location ~ "^/rutorrent/(conf|share)">
        Order deny,allow
        Deny from all
    </Location>
    <Location ~ "/\\.svn">
        Order deny,allow
        Deny from all
    </Location>
    <Location "/RPC00001">
        AuthType Basic
        AuthName "My ruTorrent web site"
        AuthUserFile "/etc/apache2/rutorrent_passwd"
        Require user yes
    </Location>
</VirtualHost>
<VirtualHost *:443>
    SSLEngine On
    SSLCertificateFile /etc/apache2/rutorrent.pem
    ServerAdmin admin@rutorrent
    ServerName localhost
    DocumentRoot /var/rutorrent
```

```
<Directory />
    AllowOverride None
    Order deny,allow
    Deny from all
</Directory>
<Location />
    AuthType Basic
    AuthName "My ruTorrent web site"
    AuthUserFile "/etc/apache2/rutorrent_passwd"
    Require valid-user
    Order allow,deny
    Allow from all
</Location>
<Location ~ "^/rutorrent/(conf|share)">
    Order deny,allow
    Deny from all
</Location>
<Location ~ "/\\.svn">
    Order deny,allow
    Deny from all
</Location>
<Location "/RPC00001">
    AuthType Basic
    AuthName "My ruTorrent web site"
    AuthUserFile "/etc/apache2/rutorrent_passwd"
    Require user yes
</Location>
</VirtualHost>
```

- sudo a2ensite default-ssl
- editamos sudo vim /etc/apache2/ports.conf

#### [/etc/apache2/ports.conf](#)

```
# If you just change the port or add more ports here, you will likely also
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default
# This is also true if you have upgraded from before 2.2.9-3 (i.e. from
# Debian etch). See /usr/share/doc/apache2.2-common/NEWS.Debian.gz and
# README.Debian.gz

NameVirtualHost *:80
Listen 80

<IfModule mod_ssl.c>
# If you add NameVirtualHost *:443 here, you will also have to change
# the VirtualHost statement in /etc/apache2/sites-available/default-ssl
# to <VirtualHost *:443>
# Server Name Indication for SSL named virtual hosts is currently not
# supported by MSIE on Windows XP.
NameVirtualHost *:443
Listen 443
</IfModule>
```

```
<IfModule mod_gnutls.c>
Listen 443
</IfModule>
```

- sudo /etc/init.d/apache2 restart
- comprobamos:
  - <https://ks358174.kimsufi.com> → «It Works»
  - <https://ks358174.kimsufi.com/info.php> → Configuración PHP instalado

## configuración rtorrent

- instalar subversion: apt-get install subversion
- instalar compilador: apt-get install make
- crear carpeta 'source' en 'user'
- descargar:
  - ~~svn co https://xmlrpc-c.svn.sourceforge.net/svnroot/xmlrpc-c/stable xmlrpc-c~~
    - svn co <http://svn.code.sf.net/p/xmlrpc-c/code/advanced> xmlrpc-c
    - svn co <http://svn.code.sf.net/p/xmlrpc-c/code/stable> xmlrpc-c
  - ~~curl http://libtorrent.rakshasa.no/downloads/libtorrent-0.13.3.tar.gz | tar xz~~
    - curl <http://rakshasa.github.io/rtorrent/libtorrent-0.13.4.tar.gz> | tar xz
  - ~~curl http://libtorrent.rakshasa.no/downloads/rtorrent-0.9.3.tar.gz | tar xz~~
    - curl <http://rakshasa.github.io/rtorrent/rtorrent-0.9.4.tar.gz> | tar xz
- compilamos el xmlrpc
  - cd xmlrpc
  - ./configure --prefix=/usr --enable-libxml2-backend --disable-libwww-client --disable-wininet-client --disable-abyss-server --disable-cgi-server
  - sudo make
  - sudo make install
- compilamos el paquete libtorrent
  - sudo ./configure --prefix=/usr
  - sudo make -j2
  - sudo make install
- compilamos el paquete rtorrent
  - export LD\_LIBRARY\_PATH=/usr/lib
  - sudo ./autogen.sh
  - sudo ./configure --prefix=/usr --with-xmlrpc-c
  - sudo make -j2
  - sudo make install
- sudo ldconfig
- creamos el fichero de configuración del rtorrent, en el directorio home del usuario

```
# This is an example resource file for rTorrent. Copy to
# ~/.rtorrent.rc and enable/modify the options as needed. Remember to
# uncomment the options you wish to enable.
#
# Based on original .rtorrent.rc file from http://libtorrent.rakshasa.no/
# Modified by Lemonberry for rtGui http://rtgui.googlecode.com/
```

```
#
# This assumes the following directory structure:
#
# /Torrents/Downloading - temporary location for torrents while downloading (see
"directory")
# /Torrents/Complete - Torrents are moved here when complete (see "on_finished")
# /Torrents/TorrentFiles/Auto - The 'autoload' directory for rtorrent to use. Place
a file
# in here, and rtorrent loads it #automatically. (see "schedule = watch_directory")
# /Torrents/Downloading/rtorrent.session - for storing rtorrent session information
#

# Maximum and minimum number of peers to connect to per torrent.
#min_peers = 40
max_peers = 100

# Same as above but for seeding completed torrents (-1 = same as downloading)
min_peers_seed = -1
max_peers_seed = -1

# Maximum number of simultaneous uploads per torrent.
max_uploads = 50

# Global upload and download rate in KiB. "0" for unlimited.
download_rate = 0
upload_rate = 0

# Default directory to save the downloaded torrents.
directory = /home/user/downloading

# Default session directory. Make sure you don't run multiple instance
# of rtorrent using the same session directory. Perhaps using a
# relative path?
session = /home/user/.session

# Watch a directory for new torrents, and stop those that have been
# deleted.
schedule = watch_directory,5,5,load_start=/home/usuario/torrent/*.torrent
schedule = untied_directory,5,5,stop_untied=

# Close torrents when disk space is low. */
schedule = low_diskspace,5,60,close_low_diskspace=100M

# Stop torrents when reaching upload ratio in percent,
# when also reaching total upload in bytes, or when
# reaching final upload ratio in percent.
# example: stop at ratio 2.0 with at least 200 MB uploaded, or else ratio 20.0
#schedule = ratio,60,60,stop_on_ratio=200,200M,2000

# When the torrent finishes, it executes "mv -n <base_path> ~/Download/"
# and then sets the destination directory to "~/Download/". (0.7.7+)
#on_finished = move_complete,"execute=mv,-u,$d.get_base_path=/home/user/complete/
;d.set_directory=/home/user/complete/"
system.method.set_key = event.download.finished,move_complete,"execute=mv,-
u,$d.get_base_path=/home/user/complete/ ;d.set_directory=/home/user/complete/"
```

```
# The ip address reported to the tracker.
#ip = 127.0.0.1
#ip = rakshasa.no

# The ip address the listening socket and outgoing connections is
# bound to.
#bind = 127.0.0.1
#bind = rakshasa.no

# Port range to use for listening.
port_range = 55995-56000

# Start opening ports at a random position within the port range.
#port_random = yes

scgi_port = 127.0.0.1:5000

# Check hash for finished torrents. Might be usefull until the bug is
# fixed that causes lack of diskpace not to be properly reported.
#check_hash = no

# Set whatever the client should try to connect to UDP trackers.
#use_udp_trackers = no

# Alternative calls to bind and ip that should handle dynamic ip's.
#schedule = ip_tick,0,1800,ip=rakshasa
#schedule = bind_tick,0,1800,bind=rakshasa

# Encryption options, set to none (default) or any combination of the following:
# allow_incoming, try_outgoing, require, require_RC4, enable_retry,
prefer_plaintext
#
# The example value allows incoming encrypted connections, starts unencrypted
# outgoing connections but retries with encryption if they fail, preferring
# plaintext to RC4 encryption after the encrypted handshake
#
encryption = allow_incoming,enable_retry,prefer_plaintext

# Enable DHT support for trackerless torrents or when all trackers are down.
# May be set to "disable" (completely disable DHT), "off" (do not start DHT),
# "auto" (start and stop DHT as needed), or "on" (start DHT immediately).
# The default is "off". For DHT to work, a session directory must be defined.
#
dht = disable

# UDP port to use for DHT.
#
# dht_port = 6881

# Enable peer exchange (for torrents not marked private)
#
peer_exchange = no

#
# Do not modify the following parameters unless you know what you're doing.
#
```

```
# Example of scheduling commands: Switch between two ip's every 5
# seconds.
#schedule = "ip_tick1,5,10,ip=torretta"
#schedule = "ip_tick2,10,10,ip=lampedusa"

# Remove a scheduled event.
#schedule_remove = "ip_tick1"
```

## screen

### resumen

- fichero de configuración en ~/.screenrc:

```
startup_message off
hardstatus alwayslastline '%{= wk}%?%-
Lw%?%{r}{%{k}%n*f%t?(%u)%?%{r})%{k}%?%+Lw%?%?%= %d-%m-%Y %c '
activity ''
```

- 1ª línea: evita msg informativo
- 2ª línea: barra informativa (te permite saber si estás en una screen)
- teclas:
  - Ctrl+a d : ejecución en segundo plano
  - Ctrl+a : nueva consola virtual
  - Ctrl+a n,a : ir a siguiente y anterior consola
  - Ctrl+a <n> : ir a <n> número de consola
  - Ctrl+a w : mostrar lista de consolas abiertas
  - Ctrl+a May+a : poner nombre a la consola actual
  - Ctrl+d : salir de consola (también Ctrl+a k)
- screen -r : mostrará si hay sesiones virtuales y te podrás «reenganchar»
  - screen -r xxxx
- screen -d: cerrar sesión

### uso

- screen -q -S rtorrent → abre sesión rtorrent
  - si se produce un error → Cannot open your terminal '/dev/pts/1' - please check. corregir con `chmod 777 /dev/pts/1`
  - también `screen -S rtorrent rtorrent`
- una vez abierta sesión, ejecutar el rtorrent
- para salir de la sesión y que continúe abierta, CTRL+A, D
- para volver a una sesión ya abierta: `screen -raAd rtorrent`
- para matar rtorrent: `killall -9 -u $(whoami) rtorrent`
  - si se atasca, eliminar ficheros de directorios .session (se perderá todo lo compartido, aunque no los ficheros descargados)

## rutorrent

- descargar en directorio temporal:
  - svn checkout <http://rutorrent.googlecode.com/svn/trunk/rutorrent>

- svn checkout <http://rutorrent.googlecode.com/svn/trunk/plugins>
- sustituimos la carpeta plugins dentro del rutorrent por la descargada
- copiamos/movemos la carpeta a la raiz del webserver, cambiando permisos y propietario
  - chown -R www-data:www-data rutorrent
  - chmod -R 755 rutorrent
- reemplazamos el archivo ~/rutorrent/conf/config.php

```
<?php
// configuration parameters

// for snoopy client
@define('HTTP_USER_AGENT', 'Mozilla/5.0 (Windows; U; Windows NT 5.1; pl;
rv:1.9) Gecko/2008052906 Firefox/3.0', true);
@define('HTTP_TIME_OUT', 30, true); // in seconds
@define('HTTP_USE_GZIP', true, true);
$httpIP = null; // IP string. Or null for any.

@define('RPC_TIME_OUT', 5, true); // in seconds

@define('LOG_RPC_CALLS', false, true);
@define('LOG_RPC_FAULTS', true, true);

// for php
@define('PHP_USE_GZIP', false, true);
@define('PHP_GZIP_LEVEL', 2, true);

$do_diagnostic = true;
$log_file = '/tmp/rutorrent_errors.log'; // path to log file (comment or
leave blank to disable logging)

$saveUploadedTorrents = true; // Save uploaded torrents to
profile/torrents directory or not
$overwriteUploadedTorrents = false; // Overwrite existing uploaded
torrents in profile/torrents directory or make unique name

$topDirectory = '/home'; // Upper available directory. Absolute path with
trail slash.
$forbidUserSettings = false;

$scgi_port = 5000;
$scgi_host = "127.0.0.1";

// For web->rtorrent link through unix domain socket
// (scgi_local in rtorrent conf file), change variables
// above to something like this:
//
//$scgi_port = 0;
//$scgi_host = "unix:///tmp/rtorrent.sock";

$xmlRPCMountPoint = "/RPC2"; // DO NOT DELETE THIS LINE!!! DO NOT COMMENT
THIS LINE!!!

$pathToExternals = array(
"php" => '/usr/bin/php', // Something like /usr/bin/php. If empty, will
be found in PATH.
"curl" => '/usr/bin/curl', // Something like /usr/bin/curl. If empty,
```

```
will be found in PATH.
"gzip" => '/bin/gzip', // Something like /usr/bin/gzip. If empty, will be
found in PATH.
"id" => '/usr/bin/id', // Something like /usr/bin/id. If empty, will be
found in PATH.
"stat" => '/usr/bin/stat', // Something like /usr/bin/stat. If empty,
will be found in PATH.
);

$localhosts = array( // list of local interfaces
"127.0.0.1",
"localhost",
);

$profilePath = '../share'; // Path to user profiles
$profileMask = 0777; // Mask for files and directory creation in user
profiles.
// Both Webserver and rtorrent users must have read-write access to it.
// For example, if Webserver and rtorrent users are in the same group
then the value may be 0770.

?>
```

- reemplazamos el archivo ~/rtorrent/conf/plugins.ini

```
;; Plugins' permissions.
;; If flag is not found in plugin section, corresponding flag from
"default" section is used.
;; If flag is not found in "default" section, it is assumed to be "yes".
;;
;; For setting individual plugin permissions you must write something
like that:
;;
;; [ratio]
;; enabled = yes ;; also may be "user-defined", in this case user can
control plugin's state from UI
;; canChangeToolbar = yes
;; canChangeMenu = yes
;; canChangeOptions = no
;; canChangeTabs = yes
;; canChangeColumns = yes
;; canChangeStatusBar = yes
;; canChangeCategory = yes
;; canBeShutdowned = yes

[default]
enabled = user-defined
canChangeToolbar = yes
canChangeMenu = yes
canChangeOptions = yes
canChangeTabs = yes
canChangeColumns = yes
canChangeStatusBar = yes
canChangeCategory = yes
canBeShutdowned = yes
```

```
;; Default

[_getdir]
enabled = yes
[cpupload]
enabled = user-defined
[create]
enabled = user-defined
[datadir]
enabled = yes
[diskspace]
enabled = user-defined
[erasedata]
enabled = user-defined
[show_peers_like_wtorrent]
enabled = user-defined
[theme]
enabled = yes
[tracklabels]
enabled = user-defined
[traffic]
enabled = user-defined

;; Enabled

[autotools]
enabled = user-defined
[cookies]
enabled = user-defined
[data]
enabled = user-defined
[edit]
enabled = user-defined
[extratio]
enabled = user-defined
[extsearch]
enabled = user-defined
[filedrop]
enabled = user-defined
[filemanager]
enabled = user-defined
[geoup]
enabled = user-defined
[httprpc]
enabled = yes
canBeShutdowned = no
[pausewebui]
enabled = yes
[ratio]
enabled = user-defined
[ratiocolor]
enabled = user-defined
[rss]
enabled = user-defined
[_task]
enabled = yes
```

```
[throttle]
enabled = user-defined
[titlebar]
enabled = user-defined
[unpack]
enabled = user-defined
```

```
;; Disabled
```

```
[chat]
enabled = no
[chunks]
enabled = no
[feeds]
enabled = no
[fileshare]
enabled = no
[fileupload]
enabled = no
[history]
enabled = no
[instantsearch]
enabled = no
[ipad]
enabled = no
[logoff]
enabled = no
[loginmgr]
enabled = no
[mediainfo]
enabled = no
[mediastream]
enabled = no
[check_port]
enabled = no
[retrackers]
enabled = no
[rpc]
enabled = no
[rssurlrewrite]
enabled = no
[rutracker_check]
enabled = no
[scheduler]
enabled = no
[screenshots]
enabled = no
[seedingtime]
enabled = no
[source]
enabled = no
```

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