

# rtorrent+rutorrent en contenedor

## pasos básicos

- montar estructura de carpetas
  - downloads : ubicación descargas
  - root : ubicación archivos configuración NGINX/RTORRENT/RUTORRENT modificados
- ejecutar docker según script

### run.sh

```
STORAGE_PATH=/home/user/storage/rtorrent+rutorrent

docker run \
  -dt \
  --name rtorrent-rutorrent \
  --restart unless-stopped \
  -p 80:80 \
  -p 443:443 \
  -p 49160:49160/udp \
  -p 49161:49161 \
  -v ${STORAGE_PATH}/downloads:/downloads \
  -v ${STORAGE_PATH}/root:/root \
  diameter/rtorrent-rutorrent:latest
```

### crypt.pl

```
#!/usr/bin/perl
use strict;

chomp(my $filename=$ARGV[0]);
chomp(my $username=$ARGV[1]);
chomp(my $password=$ARGV[2]);

if (!$filename || !$username || !$password) {
    print "USAGE: ./crypt.pl filename username password\n\n";
} else {
    open my $fh, ">>", $filename or die $!;
    print $fh $username . ":" . crypt($password, $username) . "\n";
    close $fh or die $!;
}
```

```
# You may add here your
# server {
#     ...
# }
# statements for each of your virtual hosts to this file

##
# You should look at the following URL's in order to grasp a solid understanding
# of Nginx configuration files in order to fully unleash the power of Nginx.
```

```
# http://wiki.nginx.org/Pitfalls
# http://wiki.nginx.org/QuickStart
# http://wiki.nginx.org/Configuration
#
# Generally, you will want to move this file somewhere, and start with a clean
# file but keep this around for reference. Or just disable in sites-enabled.
#
# Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
##

server {
    listen 443 ssl;
    listen [::]:443 default_server ipv6only=on;

    keepalive_timeout 60;
    ssl_certificate /etc/nginx/ssl/nginx.crt;
    ssl_certificate_key /etc/nginx/ssl/nginx.key;
    ssl_ciphers "AES128+EECDH:AES128+EDH";
    ssl_protocols TLSv1 TLSv1.1 TLSv1.2;
    ssl_prefer_server_ciphers on;
    ssl_session_cache shared:SSL:10m;
    add_header X-Frame-Options SAMEORIGIN;
    add_header X-Content-Type-Options nosniff;

    root /var/www/rutorrent;
    index index.php index.html index.htm;

    # Make site accessible from http://localhost/
    server_name localhost;

#   location / {
#       # First attempt to serve request as file, then
#       # as directory, then fall back to displaying a 404.
#       try_files $uri $uri/ =404;
#       # Uncomment to enable naxsi on this location
#       include /etc/nginx/naxsi.rules
#           auth_basic "Privat";
#           auth_basic_user_file /var/www/rutorrent/.htpasswd;
#   }

#   # Only for nginx-naxsi used with nginx-naxsi-ui : process denied requests
#   #location /RequestDenied {
#   #   proxy_pass http://127.0.0.1:8080;
#   #}

#   #error_page 404 /404.html;

#   # redirect server error pages to the static page /50x.html
#   #
#   #error_page 500 502 503 504 /50x.html;
#   #location = /50x.html {
#   #   root /usr/share/nginx/html;
#   #}

#   # pass the PHP scripts to FastCGI server listening on 127.0.0.1:9000
#
```

```

location ~ /\.php$ {
    fastcgi_split_path_info ^(.+\.(php|php5))(/.+)$;
# NOTE: You should have "cgi.fix_pathinfo = 0;" in php.ini

    # With php5-cgi alone:
#    fastcgi_pass 127.0.0.1:9000;
#    # With php5-fpm:
    fastcgi_pass unix:/var/run/php/php7.0-fpm.sock;
    fastcgi_index index.php;
    include fastcgi_params;
        fastcgi_param HTTPS on;
        fastcgi_param SCRIPT_FILENAME $request_filename;
}

# deny access to .htaccess files, if Apache's document root
# concurs with nginx's one
#
#location ~ /\.ht {
#    deny all;
#}

location /RPC2 {
    include scgi_params;
    scgi_pass 127.0.0.1:5000;
    scgi_param SCRIPT_NAME /RPC2;
}

location /complete {
#    try_files $uri $uri/ =404;
#    Auth_basic "Restricted Complete";
#    auth_basic_user_file /var/www/rutorrent/.htpasswd;
    alias /downloads/complete;
    autoindex on;
}

    location /well-known {
        auth_basic "off";
        alias /well-known;
    }
}

```

## help.md

```

# rtorrent + rutorrent
[dockerhub] (https://hub.docker.com/r/diameter/rtorrent-rutorrent/)

## notas de run
- Web UI ports: 80 and 443 (can be remapped in 'docker run')
- DHT UDP port: 49160 (can be remapped)
- Incoming connections port: 49161 (can be remapped)
- Downloads volume: /downloads
- rtorrent scratch files (.rtorrent/{watch|session}) will be created
automatically): /downloads
- autodl-irssi config files are created automatically: /downloads/.autodl
- external rtorrent config (.rtorrent/.rtorrent.rc): /downloads
- external ruTorrent ui config (config will be created automatically):

```

```
/downloads/.rutorrent
- external nginx and rtorrent logs: /downloads/.log/
- rtorrent uid and gid: USR_ID and GRP_ID env vars, default is 1000:1000
- php-fpm memory limit: PHP_MEM env var, default is 256M
- disable IPv6 binding in nginx: set env var NOIPV6=1, default is not set
- alternative webroot: WEBROOT env var, default is /

## htpasswd
Put .htpasswd into your /downloads volume root, the container will re-read
.htpasswd each time it starts. To remote auth, simply remove .htpasswd and
restart your container.
### generate
- `printf "John:${(openssl passwd -crypt V3Ry)}\n" >> .htpasswd # this example
uses crypt encryption`
- `printf "Mary:${(openssl passwd -apr1 SEcRe7)}\n" >> .htpasswd # this example
uses apr1 (Apache MD5) encryption`
- `printf "Jane:${(openssl passwd -1 V3RySEcRe7)}\n" >> .htpasswd # this example
uses MD5 encryption`
- `` `(PASSWORD="SEcRe7PwD";SALT="$(openssl rand -base64 3)";SHA1=$(printf
"$PASSWORD$SALT" | openssl dgst -binary -sha1 | xxd -ps | sed 's##'``echo -n
$SALT | xxd -ps`"'#'| xxd -r -ps | base64);printf "Jim:{SSHA}$SHA1\n" >>
.htpasswd) # this example uses SSHA encryption``
- script *crypt.pl*

## TLS
Put your keyfile (shall be named nginx.key) and your certificate (nginx.crt)
into /downloads volume root, the container looks for these files each time it
starts.
```

## + info

- <https://www.rapidseedbox.com/kb/beginners-guide-to-rutorrent>
- <https://github.com/Novik/ruTorrent/wiki/Config>

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