ProFTPD

ProFTPD (Professional FTP Daemon) — FTP-сервер для *Linux* и *UNIX*-подобных операционных систем. *ProFTPD* использует лишь один конфигурационный файл proftpd.conf.
Сервер может быть настроен для работы нескольких виртуальных хостов, также поддерживает *chroot*. Может быть запущен в виде отдельного сервера (демона) или в составе суперсервера *inetd*. Также поддерживает IPv6.

Расширения: поддерживает модули, добавляющие SSL/TLS-шифрование, аутентификацию через LDAP, работу с SQL, туннелирование соединений через SSH.

```
$ sudo yum update
$ sudo yum install proftpd
```

Правим:

```
nano /etc/proftpd.conf
```

```
ServerName              "FTP server"
ServerIdent             on "FTP Server ready."
ServerAdmin             root@localhost
DefaultServer           on
UseIPv6                 off
IdentLookups            off
PassivePorts            40900 40999
DefaultRoot             ~ !adm
AuthPAMConfig           proftpd
AuthOrder               mod_auth_pam.c* mod_auth_unix.c
UseReverseDNS           off
User                    nobody
Group                   nobody
MaxInstances            20
UseSendfile             off
SystemLog               /var/log/proftpd/proftpd.log
TransferLog             /var/log/proftpd/xfer.log
ExtendedLog              /var/log/proftpd/access.log WRITE,READ
```

```
write
ExtendedLog           /var/log/proftpd/auth.log AUTH auth
DebugLevel            9
LoadModule            mod_ctrls_admin.c
LoadModule            mod_vroot.c
ModuleControlsACLs    insmod,rmmod allow user root
ModuleControlsACLs    lsmod allow user *
ControlsEngine        on
ControlsACLs          all allow user root
ControlsSocketACL     allow user *
ControlsLog           /var/log/proftpd/controls.log


<IfModule mod_ctrls_admin.c>
    AdminControlsEngine   on
    AdminControlsACLs     all allow user root
</IfModule>
<IfModule mod_vroot.c>
    VRootEngine on
</IfModule>
<IfDefine TLS>
    TLSEngine on
    TLSRequired on
    TLSRSACertificateFile    /etc/pki/tls/certs/proftpd.pem
    TLSRSACertificateKeyFile /etc/pki/tls/certs/proftpd.pem
    TLSCipherSuite           ALL:!ADH:!DES
    TLSOptions               NoCertRequest
    TLSVerifyClient          off
    #TLSRenegotiate            ctrl 3600 data 512000 required
off timeout 300
    TLSLog                   /var/log/proftpd/tls.log
 <IfModule mod_tls_shmcache.c>
                                          TLSSessionCache
shm:/file=/var/run/proftpd/sesscache
 </IfModule>
</IfDefine>
<IfDefine DYNAMIC_BAN_LISTS>
    LoadModule               mod_ban.c
    BanEngine                on
    BanLog                   /var/log/proftpd/ban.log
    BanTable                 /var/run/proftpd/ban.tab
```

```
 # If the same client reaches the MaxLoginAttempts limit 2
times
 # within 10 minutes, automatically add a ban for that client
that
 # will expire after one hour.
    BanOnEvent                MaxLoginAttempts 2/00:10:00
01:00:00
 # Inform the user that it's not worth persisting
    BanMessage              "Host %a has been banned"
# Allow the FTP admin to manually add/remove bans
    BanControlsACLs         all allow user ftpadm
</IfDefine>
<IfDefine QOS>
    LoadModule              mod_qos.c
 # RFC791 TOS parameter compatibility
    QoSOptions                dataqos throughput ctrlqos
lowdelay
 # For a DSCP environment (may require tweaking)
 #QoSOptions dataqos CS2 ctrlqos AF41
</IfDefine>
<Global>
 # Umask 022 is a good standard umask to prevent new dirs and
files
 # from being group and world writable
    Umask                   022
 # Allow users to overwrite files and change permissions
 AllowOverwrite             yes
 <Limit ALL SITE_CHMOD>
 AllowAll
 </Limit>
</Global>
<IfDefine ANONYMOUS_FTP>
 <Anonymous ~ftp>
 User                       ftp
 Group                      ftp
 AccessGrantMsg "Anonymous login ok, restrictions apply."
 # We want clients to be able to login with "anonymous" as
well as "ftp"
 UserAlias                  anonymous ftp
 # Limit the maximum number of anonymous logins
 MaxClients                   10 "Sorry, max %m users -- try
```

```
again later"
 # Put the user into /pub right after login
 #DefaultChdir /pub
  # We want 'welcome.msg' displayed at login, '.message'
displayed in
 # each newly chdired directory and tell users to read README*
files.
    DisplayLogin /welcome.msg
    DisplayChdir .message
    DisplayReadme README*
 # Cosmetic option to make all files appear to be owned by
user "ftp"
    DirFakeUser on ftp
    DirFakeGroup on ftp
 # Limit WRITE everywhere in the anonymous chroot
 <Limit WRITE SITE_CHMOD>
    DenyAll
 </Limit>
 # An upload directory that allows storing files but not
retrieving
 # or creating directories.
 #
 # Directory specification is slightly different if mod_vroot
is in
                  #                  use:                 see
http://sourceforge.net/p/proftp/mailman/message/31728570/
 # https://bugzilla.redhat.com/show_bug.cgi?id=1045922


<IfModule mod_vroot.c>
 <Directory /uploads/*>
    AllowOverwrite     no
 <Limit READ>
    DenyAll
 </Limit>

<Limit STOR>
    AllowAll
 </Limit>
 </Directory>
 </IfModule>
```

```
 <IfModule !mod_vroot.c>
 <Directory uploads/*>
    AllowOverwrite no
 <Limit READ>
    DenyAll
 </Limit>

<Limit STOR>
    AllowAll
 </Limit>
 </Directory>
 </IfModule>
 # Don't write anonymous accesses to the system wtmp file
(good idea!)
 WtmpLog off
 # Logging for the anonymous transfers
    ExtendedLog       /var/log/proftpd/access.log WRITE,READ
default
    ExtendedLog       /var/log/proftpd/auth.log AUTH auth
 </Anonymous>
</IfDefine>
```

С такой настройкой уже можно подключаться любым системным пользователем.

Переходим к более безопасному и гибкому варианту — виртуальным пользователям.