

FTP

- IP-
 - ,
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-
-
-
-
-
-
- 20-
- "500 OOPS: vsftpd: refusing to run with writable root inside chroot ()"
- FTP Astra Linux
 - ftp
 - inetutils-ftp
 - ncftp
 - lftp

- Astra Linux Special Edition .10015-01 (1.7), .10015-10
- Astra Linux Special Edition .10015-17
- Astra Linux Special Edition .10015-37 (7.7)
- Astra Linux Special Edition .10015-03 (7.6)
- Astra Linux Special Edition .10152-02 (4.7)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Special Edition .10015-16 . 2
- Astra Linux Special Edition .10265-01 (8.1)
- Astra Linux Common Edition 2.12

FTP (. File Transfer Protocol) — , . «-» . FTP , , , .

 FTP, TFTP. . . [Astra Linux \(UEFI Legacy BIOS\)](#).

! , • •

FTP Astra Linux vsftpd. (. synaptic) :

```
sudo apt install vsftpd
```

```
FTP fly-admin-ftp.
```

```
sudo apt install fly-admin-ftp
```

"" - "" - "" - "FTP-".

```

/etc/vsftpd.conf, .
:
• — , : YES NO;
• — , , ;
• — , , , : /run/vsftpd/,
, , " "
, ,

```

! , *

[illegible]

```
man vsftpd.conf
```

"#" - , vsftpd.

```
vsftpd ( , .man vsftpd.conf):
```

- IPv4 IPv6 (listen=NO listen_ipv6=YES).
- (anonymous_enable=NO).
- (-) , , (local_enable=YES).
- .
- , , , , , Midnight Commander . , .
- , -.

```
# IPv4 IPv6
listen=NO
```

listen_ipv6=YES	
-----------------	--

```
# .
anonymous_enable=NO
```

```
#
local_enable=YES
```

```
# FTP...
#write_enable=YES
```

```
#      (.message)
dirmessage_enable=YES
```

```
# . - GMT
use localtime=YES
```

```
# /.
xferlog_enable=YES
```

```
# 20- (.)
connect from port 20=YES
```

```
# , ftp
# chroot() vsftpd .
secure_chroot_dir=/run/vsftpd/empty
```

```
# PAM
pam_service_name=vsftpd
```

```
#
rsa_cert_file=/etc/ssl/certs/ssl-cert-snakeoil.pem
rsa_private_key_file=/etc/ssl/private/ssl-cert-snakeoil.key
ssl_enable=NO
```

```
#, UTF8
# utf8_filesystem=YES
```

```
IP-      -listen listen-ipv6. , ,  IPv4 IPv6:
```

```
listen=NO #      IPv4.      NO.      YES,      listen_ipv6      NO
listen_ipv6=YES #      IPv4 IPv6.      YES.      NO,      listen      YES,      IPv4
```

```
chroot_local_user=YES. YES (chroot-), chroot- (. "500 OOPS: vsftpd: refusing to run with writable root inside chroot ()").
```

- chroot- , .
 - chroot- , allow_writeable_chroot=YES. ;
- ```
, local_root=<_>. , /etc/vsftpd.conf . ..
```

```
, /etc/vsftpd.conf . :
```

1. /etc/vsftpd.conf user\_config\_dir=<\_>.
2. , . . , .

```
, write_enable=YES.
```

```
anon_mkdir_write_enable, anon_other_write_enable, anon_upload_enable. .man vsftpd.conf. .
```

## FTP :

```
(). , . :
```

1. anonymous\_enable=NO anonymous\_enable=YES.
2. ftp ( /etc/passwd /srv/ftp). anon\_root=<\_>. /srv/ftp ( ftp), ( - "500 OOPS: cannot change directory:/srv/ftp").  
ftp, (. "500 OOPS: vsftpd: refusing to run with writable root inside chroot ()"). .

```
/var/log/vsftpd.log. /etc/vsftpd.conf:
```

 # You may override where the log file goes if you like. The default is shown  
# below.  
#xferlog\_file=/var/log/vsftpd.log

```
, . , , :
```

 touch /var/log/vsftpd.log  
service vsftpd restart

```
dirmessage_enable=YES.
```

```
, , .message, message_file
```

## 20-

```
FTP :
```

- -, . . TCP- (1024-65535) 21 FTP- , .;
- , .

```
, FTP ().
```

- : 1024-65535 , . 20;
- : 1024-65535), ;

```
FTP FTP -, .
, FTP-, , .
```

## "500 OOPS: vsftpd: refusing to run with writable root inside chroot ()"

```
vsftpd .
500 , :.
```



```
• (write_enable=YES);
• ;
• ,
• , , .
```

```
, anon_root.
```

```
. . .
```

## FTP Astra Linux

```
(--help -h) man.
```

### ftp

```
ftp. Astra Linux.
```

```
: /usr/bin/netkit-ftp, /usr/bin/ftp.
```

### inetutils-ftp

```
ftp. Astra Linux x.7.
```

```
: /usr/bin/inetutils-ftp, /usr/bin/ftp.
```

### ncftp

```
ftp. Astra Linux x.7.
```

```
: /usr/bin/ncftp3, /usr/bin/ncftp.
```

### lftp

```
, FTP . Astra Linux.
```

```
: /usr/bin/lftp
```