

Pa VPN 教程

一、准备工作

准备好 FTP 服务器 附件提供有绿色工具（资源来自自己网络）
解压后运行文件



端口默认，帐户名称各帐户密码根据个人喜好填写；访问目录设置为放置 mpd5 文件的路径。

注：如果是远程操作需要将 FTP 服务映射到公网上。具体怎么映射不懂自行度娘娘。

二、开始操作

通过 SSH 登录后台，或者显示器登录后台

这里以 SSH 为例：

用户名:root

密码:panaos

登录后如下图

```

Last login: Tue Mar 22 19:16:20 2016 from 125.93.255.137
FreeBSD 9.2-RELEASE (PANAOS) #9: Fri Dec 27 16:26:45 CST 2013

welcome to FreeBSD!

Before seeking technical support, please use the following resources:

o Security advisories and updated errata information for all releases are
  at http://www.FreeBSD.org/releases/ - always consult the ERRATA section
  for your release first as it's updated frequently.

o The Handbook and FAQ documents are at http://www.FreeBSD.org/ and,
  along with the mailing lists, can be searched by going to
  http://www.FreeBSD.org/search/. If the doc package has been installed
  (or fetched via pkg_add -r lang-freebsd-doc, where lang is the
  2-letter language code, e.g. en), they are also available formatted
  in /usr/local/share/doc/freebsd.

If you still have a question or problem, please take the output of
`uname -a`, along with any relevant error messages, and email it
as a question to the questions@FreeBSD.org mailing list. If you are
unfamiliar with FreeBSD's directory layout, please refer to the hier(7)
manual page. If you are not familiar with manual pages, type `man man`.

Edit /etc/motd to change this login announcement.

panaos#

```

登录后台默认处于/root 下面 (可以通过输入 pwd 查看), 需要改变当前目录到要目录下 输入: cd /

```

Last login: Tue Mar 22 19:16:20 2016 from 125.93.255.137
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unfamiliar with FreeBSD's directory layout, please refer to the hier(7)
manual page. If you are not familiar with manual pages, type `man man`.

Edit /etc/motd to change this login announcement.

panaos#cd /
panaos#

```

从 FTP 下载文件到 PA 输入: wget --ftp-user=FTP 帐户名称 --ftp-password=FTP 帐户密码 ftp://FTP 服务器 IP/Panabit9.2_mpd5.tar.gz

```

Last login: Tue Mar 22 19:41:33 2016 from 218.16.57.173
FreeBSD 9.2-RELEASE (PANAOS) #9: Fri Dec 27 16:26:45 CST 2013

welcome to FreeBSD!

Before seeking technical support, please use the following resources:

o Security advisories and updated errata information for all releases are
  at http://www.FreeBSD.org/releases/ - always consult the ERRATA section
  for your release first as it's updated frequently.

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unfamiliar with FreeBSD's directory layout, please refer to the hier(7)
manual page. If you are not familiar with manual pages, type 'man man'.

Edit /etc/motd to change this login announcement.

panaos#cd /
panaos#wget --ftp-user=camvideo --ftp-password=88888888 ftp://218.16.57.173
/pa/Panabit9.2_mpd5.tar.gz

```

远程下载要稍等一下

```

o The Handbook and FAQ documents are at http://www.FreeBSD.org/ and,
  along with the mailing lists, can be searched by going to
  http://www.FreeBSD.org/search/. If the doc package has been installed
  (or fetched via pkg_add -r lang-freebsd-doc, where lang is the
  2-letter language code, e.g. en), they are also available formatted
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unfamiliar with FreeBSD's directory layout, please refer to the hier(7)
manual page. If you are not familiar with manual pages, type 'man man'.

Edit /etc/motd to change this login announcement.

panaos#cd /
panaos#wget --ftp-user=camvideo --ftp-password=88888888 ftp://218.16.57.173
/pa/Panabit9.2_mpd5.tar.gz
--2016-03-22 19:57:08-- ftp://218.16.57.173/pa/Panabit9.2_mpd5.tar.gz
=> 'Panabit9.2_mpd5.tar.gz.1'
Connecting to 218.16.57.173:21...
connected.
Logging in as camvideo ... Logged in!
==> SYST ... done. ==> PWD ... done.
==> TYPE I ... done. ==> CWD (1) /218.16.57.173/pa ... done.
==> SIZE Panabit9.2_mpd5.tar.gz ... 418788
==> PASV ... done. ==> RETR Panabit9.2_mpd5.tar.gz ... done.
Length: 418788 (409K) (unauthoritative)

100%[=====] 418,788 1.27MB/s in 0.3s
2016-03-22 19:57:43 (1.27 MB/s) - 'Panabit9.2_mpd5.tar.gz' saved [418788]

panaos#
panaos#

```

下载好了解压使用命令：tar jxvf Panabit9.2_mpd5.tar.gz

```

==> PASS ... done. ==> RETR Panabit9.2_mpd5.tar.gz ... done.
Length: 418788 (409K) (unauthoritative)

100%[=====] 418,788 1.27MB/s in 0.3s
2016-03-22 19:57:43 (1.27 MB/s) - 'Panabit9.2_mpd5.tar.gz' saved [418788]

panaos#
panaos#
panaos#tar jxvf Panabit9.2_mpd5.tar.gz
x root/.cshrc
x boot/kernel/ng_socket.ko
x boot/kernel/netgraph.ko
x boot/kernel/ng_mppc.ko
x boot/kernel/rc4.ko
x boot/kernel/ng_iface.ko
x boot/kernel/ng_ppp.ko
x boot/kernel/ng_tee.ko
x boot/kernel/ng_ptpgre.ko
x boot/kernel/ng_ksocket.ko
x boot/kernel/ng_tcpmss.ko
x usr/libexec/sftp-server
x usr/local/sbin/mpd5
x usr/local/etc/rc.d/mpd5
x usr/local/etc/mpd5/mpd.conf
x usr/local/etc/mpd5/dictionary.mpd
panaos#

```

解压后删除压缩包命令：rm -i Panabit9.2_mpd5.tar.gz 确定后输入 y

```

panaos#
panaos#
panaos#
panaos#
panaos#
panaos#
panaos#rm -i Panabit9.2_mpd5.tar.gz
remove Panabit9.2_mpd5.tar.gz? y
panaos#

```

查看文件是否删除使用命令：ls

```

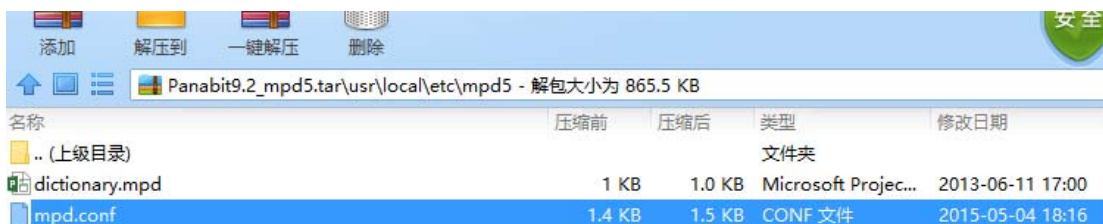
panaos#
panaos#
panaos#ls
bin      conf      entropy  lib       log       mnt       root      tmp       var
boot     dev       etc      libexec  media     proc      sbin      usr
panaos#
panaos#
panaos#

```

三、配置 VPN

我是在电脑下解 mpd.conf 然后用 UE 编辑的(也可用 VI 来编辑方法请自行度娘)。

mpd.conf



| 名称 | 压缩前 | 压缩后 | 类型 | 修改日期 |
|----------------|--------|--------|---------------------|------------------|
| .. (上级目录) | | | 文件夹 | |
| dictionary.mpd | 1 KB | 1.0 KB | Microsoft Projec... | 2013-06-11 17:00 |
| mpd.conf | 1.4 KB | 1.5 KB | CONF 文件 | 2015-05-04 18:16 |

mpd.conf 文件全部内容如下：

#####

startup:

```
    set user admin admin
    #set user foo1 bar1
    set console self 127.0.0.1 5005
    set web self 127.0.0.1 5006
    set web open
    set console open
```

default:

```
    load pptp_client
```

pptp_server:

```
    set ippool add Client 100.254.254.1 100.254.254.253
    create bundle template Client
    set iface name Client
    set iface enable proxy-arp
    set iface idle 1800
    set iface enable tcpmssfix
    set ipcp yes vjcomp
    set ipcp ranges 100.254.254.254/32 ippool Client
    set ipcp dns 202.102.192.68
    set bundle enable compression
    set ccp yes mppc
    set mppc yes e40
    set mppc yes e128
    set mppc yes stateless
```

```
    create link template L pptp
    set link action bundle Client
    set link enable multilink
    set link yes acfcomp protocomp
    set link no pap chap eap
    set link enable chap
```

```
    #load radius
    #set auth disable internal
    set link keep-alive 10 60
    set link mtu 1460
    set pptp self 0.0.0.0
    set link enable incoming
```

pptp_client:

```
create bundle static B1
set iface name Client

create link static L1 pptp
set link action bundle B1
set auth authname pptp 帐号
set auth password pptp 密码
set link max-redial 0
set link mtu 1460
set link keep-alive 20 75
set pptp peer PPTP 服务器地址
set pptp disable windowing
open
```

radius:

```
#set radius config /etc/radius.conf
set radius server localhost testing123 1812 1813
set radius retries 3
set radius timeout 3
set radius me 1.1.1.1
set auth acct-update 300
set auth enable radius-auth
set auth enable radius-acct
set radius enable message-authentic
```

#####

保存后将文件放到 FTP 目录下备用。

Pa 进入 /usr/local/etc/mpd5 目录 命令 cd /usr/local/etc/mpd5 先删除原来的 MPD.CONF 文件，再将刚才编辑好的文件传上去。

```
panaos#
panaos#cd /usr/local/etc/mpd5
panaos#rm -i mpd.conf
remove mpd.conf? y
panaos#wget --ftp-user=camvideo --ftp-password=20000000 ftp://200.200.200.200/
/pa/mpd.conf
--2016-03-22 20:20:49-- ftp://200.200.200.200/pa/mpd.conf
      => 'mpd.conf'
Connecting to 200.200.200.200:21... connected.
Logging in as camvideo ... Logged in!
==> SYST ... done.      ==> PWD ... done.
==> TYPE I ... done.    ==> CWD (1) / /pa ... done.
==> SIZE mpd.conf ... 1491
==> PASV ... done.      ==> RETR mpd.conf ... done.
Length: 1491 (1.5K) (unauthoritative)

100%[=====] 1,491      --.-K/s   in 0s

2016-03-22 20:20:50 (49.7 MB/s) - 'mpd.conf' saved [1491]

panaos#
```

四、设定及启动

#ee /etc/rc.conf 加入 mpd_enable="YES" 按 ESC 根据菜单提示保存文件

```
panaos#ee /etc/rc.conf
cron_dst="NO"
cron_enable="NO"
crashinfo_enable="NO"
check_quotas="NO"
hostname="panabit"
ip6addrctl_enable="NO"
mixer_enable="NO"
newsyslog_enable="NO"
sendmail_enable="NO"
sendmail_submit_enable="N
sendmail_outbound_enable=
sendmail_msp_queue_enable
sshd_enable="YES"
syslogd_enable="NO"
update_motd="NO"
mpd_enable="YES"
```

```
press Escape (^[]) for menu
cron_dst="NO"
cron_enable="NO"
crashinfo_enable="NO"
check_quotas="NO"
hostname="panabit"
ip6addrctl_enable="NO"
mixer_enable="NO"
newsyslog_enable="NO"
sendmail_enable="NO"
sendmail_submit_enable="N
sendmail_outbound_enable=
sendmail_msp_queue_enable
sshd_enable="YES"
syslogd_enable="NO"
update_motd="NO"
mpd_enable="YES"

main menu
a) leave editor
b) help
c) file operations
d) redraw screen
e) settings
f) search
g) miscellaneous
press Esc to cancel
```

press Escape (^[]) for menu

```
cron_dst="NO"
cron_enable="NO"
crashinfo_enable="NO"
check_quotas="NO"
hostname="panabit"
ip6addrctl_enable="NO"
mixer_enable="NO"
newsyslog_enable="NO"
sendmail_enable="NO"
sendmail_submit_enable="N
sendmail_outbound_enable=
sendmail_msp_queue_enable
sshd_enable="YES"
syslogd_enable="NO"
update_motd="NO"
mpd_enable="YES"
```

```
leave menu
a) save changes
b) no save
press Esc to cancel
```

press Escape (^[]) for menu

启动 mpd5

命令: /usr/local/etc/rc.d/mpd5 start

```
panaos#/usr/local/etc/rc.d/mpd5 start
Starting mpd5.
panaos#
```