

- `make ? gcc?binutils ????lib (glibc)?zlib? openssl?readline ??? ncurses (devel) ???`
- Red Hat Network Linux Red Hat Enterprise Linux AS / ES Version 4 VPN Bridge
- SELinux VPN Server

Turbolinux 10 Server

Turbolinux 10 Server

- Turbolinux 10 Server Linux
- `/usr/ /usr/local/vpnbridge / VPN Bridge`
- Turbolinux 10 Server VPN Server `make ? gcc?binutils ????lib (glibc)?zlib? openssl?readline ??? ncurses (devel) ???`
- Turbolinux 10 Server Linux Kernel 2.6.8-5 Turbolinux 10 Server VPN Bridge
- SELinux VPN Server

Fedora Core 4

Fedora Core 4 VPN Bridge

- Fedora Core 4 Linux

- `mkdir -p /usr/local/vpnbridge` /usr/local/vpnbridge /usr/local/vpnbridge
- `cd /usr/local/vpnbridge` (???)
`make` `gcc` `binutils` `libc` `(glibc)` `zlib`
`openssl` `readline` `ncurses` `(devel)` `ncurses`
- `Linux` `VPN Server`
- `SELinux` `VPN Server`

9.3.2

3.1 3.2 VPN Bridge 2 VPN Bridge Linux VPN Bridge Linux vpnbridge

9.3.3

VPN Bridge Linux (7.3.1)

- `gcc`
- `binutils`
- `tar` `gzip`
- `chkconfig`
- `cat` `cp`
- `EUC-JP` `UTF-8`
- `libc` `(glibc)`
- `zlib`
- `openssl`
- `readline`
- `ncurses`
- `pthread`


```
[root@machine vpnbridge]# make
./install.sh
SoftEther VPN Software Install Utility

Do you want to read the License Agreement for this software ?
1. Yes
2. No
Please choose one of above number:
1
```

??
???????????????????????????? SSH ???
???? Ctrl+C ?????? make ?????????????????? vpnbridge ?????????????????????????????????
????????????????????

??
????????????????????????????1???

```
EULA

Did you read and understand the License Agreement ?
(If you couldn't read above text, Please read License_ReadMe.txt
file with any text editor.)
1. Yes
2. No
Please choose one of above number:
1
```

??
????????????????????1??????????????

```
Did you agree the License Agreement ?
1. Agree
2. Do Not Agree
Please choose one of above number:
1
```

????????????????????????vpnbridge????????????????????

```
make[1]: Entering directory `/root/vpnbridge'
ranlib libssl.a
ranlib libcrypto.a
ranlib vpnbridge.a
gcc vpnbridge.a -pthread -lrt -lm -lz libssl.a libcrypto.a -lpthread -ldl
-lreadline -lcurses -o vpnserv
strip vpnbridge
ranlib vpncmd.a
gcc vpncmd.a -pthread -lrt -lm -lz libssl.a libcrypto.a -lpthread
-ldl -lreadline -lcurses -o vpncmd
strip vpncmd
make[1]: Leaving directory `/root/vpnbridge'

[root@machine vpnbridge]#
```

????????????????????????vpnbridge ????????????????????????????? 77.3.1 ?????? ??

77.3.3 ?????????????????????? ???

9.3.6 VPN Bridge ???

vpnbridge ??? vpnbridge ?????????/usr/local/ ???????????
????????????????????????? vpnbridge ????????? /usr/local/ ??????????? ?????????????????root??????
???

```
[root@machine vpnbridge]# cd ..
[root@machine root]# mv vpnbridge /usr/local
[root@machine root]# ls -l /usr/local/vpnbridge/
Total 13000
-rwxrwxrwx 1 root root 20245 12Ď  8 16:14 License_ReadMeFirst.txt*
-rwxrwxrwx 1 root root 20317 12Ď  8 16:14 License_ReadMeFirstSjis.txt*
-rwxrwxrwx 1 root root 30210 12Ď  8 16:14 License_ReadMeFirstUtf.txt*
-rwxrwxrwx 1 root root 609 12Ď  8 16:14 Makefile*
-rwxrwxrwx 1 root root 4018399 12Ď  8 16:14 hamcore.se2*
-rwxrwxrwx 1 root root 1942994 12Ď  9 02:23 libcrypto.a*
-rwxrwxrwx 1 root root 336070 12Ď  9 02:23 libssl.a*
-rwxr-xr-x 1 root root 1814216 12Ď  9 02:23 vpncmd*
-rwxrwxrwx 1 root root 1630858 12Ď  9 02:23 vpncmd.a*
-rwxr-xr-x 1 root root 1814120 12Ď  9 02:23 vpnbridge*
```

```
-rwxrwxrwx 1 root root 1630304 12Ě 9 02:23 vpnbridge.a*  
[root@machine root]#
```

???? /usr/local/vpnbridge/ ???

???? vpnbridge ??????????????????root ???

```
[root@machine root]# cd /usr/local/vpnbridge/  
[root@machine vpnbridge]# chmod 600 *  
[root@machine vpnbridge]# chmod 700 vpncmd  
[root@machine vpnbridge]# chmod 700 vpnbridge  
[root@machine vpnbridge]# ls -l  
Total 13000  
-rw----- 1 root root 20245 12Ě 8 16:14 License_ReadMeFirst.txt  
-rw----- 1 root root 20317 12Ě 8 16:14 License_ReadMeFirstSjis.txt  
-rw----- 1 root root 30210 12Ě 8 16:14 License_ReadMeFirstUtf.txt  
-rw----- 1 root root 609 12Ě 8 16:14 Makefile  
-rw----- 1 root root 4018399 12Ě 8 16:14 hamcore.se2  
-rw----- 1 root root 1942994 12Ě 9 02:23 libcrypto.a  
-rw----- 1 root root 336070 12Ě 9 02:23 libssl.a  
-rwx----- 1 root root 1814216 12Ě 9 02:23 vpncmd*  
-rw----- 1 root root 1630858 12Ě 9 02:23 vpncmd.a  
-rwx----- 1 root root 1814120 12Ě 9 02:23 vpnbridge*  
-rw----- 1 root root 1630304 12Ě 9 02:23 vpnbridge.a  
[root@machine vpnbridge]#
```

??? vpnbridge ??????????????????

9.3.7 vpncmd ? check ??????????????????

vpnbridge ???
?????

?vpncmd ?????????????????????(??? ?6? ???) ??check??????
???????????????? VPN Bridge ???

???. /vpncmd?????????vpncmd?????????????????3. VPN Tools ????????? (?????????????????)??????
?check????????????????????

```
[root@machine vpnbridge]# ./vpncmd  
vpncmd command - SoftEther VPN Command Line Management Utility
```

SoftEther VPN Command Line Management Utility (vpncmd command)

By using vpncmd program, the following can be achieved.

1. Management of VPN Server or VPN Bridge
2. Management of VPN Client
3. Use of VPN Tools (certificate creation and communication speed measurement)

Select 1, 2 or 3: 3

VPN Tools was launched. By inputting HELP, you can view a list of the commands that can be used.

VPN Tools>check

Check command - Check if SoftEther VPN Operation is Possible

SoftEther VPN Operation Environment Check Tool

If this operation environment check tool is run on a system and that system passes, it is highly likely that SoftEther VPN software can operate on that system. This check may take a while. Please wait...

Checking 'Kernel System'...

[Pass]

Checking 'Memory Operation System'...

[Pass]

Checking 'ANSI / Unicode string processing system'...

[Pass]

Checking 'File system'...

[Pass]

Checking 'Thread processing system'...

[Pass]

Checking 'Network system'...

[Pass]

All checks passed. It is highly likely that SoftEther VPN Server / Bridge can operate normally on this system.

The command terminated normally.

VPN Tools>exit

[root@machine vpnbridge]#

check [SoftEther VPN Server / Bridge](#) [VPN Bridge](#) [VPN Bridge](#)

[7.3.1](#) [7.3.3](#)

9.3.8

vpnbridge /usr/local/vpnbridge/ /usr/local/vpnbridge/
vpnbridge Linux
vpnbridge

vpnbridge Linux /etc/init.d/vpnbridge
(?)

```
#!/bin/sh
# chkconfig: 2345 99 01
# description: SoftEther VPN Server
DAEMON=/usr/local/vpnbridge/vpnbridge
LOCK=/var/lock/subsys/vpnbridge
test -x $DAEMON || exit 0
case "$1" in
start)
$DAEMON start
touch $LOCK
;;
stop)
$DAEMON stop
rm $LOCK
;;
restart)
$DAEMON stop
sleep 3
$DAEMON start
;;
*)
echo "Usage: $0 {start|stop|restart}"
exit 1
esac
exit 0
```

???????????????? /etc/init.d/vpnbridge ?????????????????????????????????cat ???????
????????cat ??? Ctrl+D ???????

```
[root@machine vpnserver]# cat > /etc/init.d/vpnbridge
#!/bin/sh
# chkconfig: 2345 99 01
# description: SoftEther VPN Bridge
DAEMON=/usr/local/vpnbridge/vpnbridge
LOCK=/var/lock/subsys/vpnbridge
test -x $DAEMON || exit 0
case "$1" in
start)
$DAEMON start
touch $LOCK
;;
stop)
$DAEMON stop
rm $LOCK
;;
restart)
$DAEMON stop
sleep 3
$DAEMON start
;;
*)
echo "Usage: $0 {start|stop|restart}"
exit 1
esac
exit 0
```

/etc/init.d/vpnbridge ???root ???????????????????
??????????????

```
[root@machine vpnbridge]# chmod 755 /etc/init.d/vpnbridge
```

????chkconfig?? Linux ?????????????????????????????????????

```
[root@machine vpnbridge]# /sbin/chkconfig --add vpnbridge
```

?? VPN Bridge ?????????????????????????????????????

9.3.9 ??????????

???????????? VPN Bridge ??Linux ????????????? Linux ?????????????
?????????VPN Bridge ???

???????????????? VPN Bridge ?????????????????????????????

VPN Bridge ?????????????

VPN Bridge ?????????????????root ?????????????????VPN Bridge ?????????????

```
[root@machine vpnbridge]# /etc/init.d/vpnbridge start
```

VPN Bridge ?????????????

VPN Bridge ?????????????????root ?????????????????VPN Bridge ?????????????

```
[root@machine vpnbridge]# /etc/init.d/vpnbridge stop
```

VPN Bridge ?????????????????

VPN Bridge ???

- ?????????????????????????????????????
- VPN Bridge ?????????????????vpnbridge ?????????????????????
(vpnbridge?vpncmd ??? hamcore.se2 ??????????????????????????????)
- ?????? VPN Bridge ?????????????????????????????

vpnbridge ?????????

??VPN Bridge ?????????????????????
????? VPN Bridge ?????????????????????vpnbridge ?????????????????????????????
????vpnbridge ?????????????????????????3.2.2 ????????? ? ?kill????????????????

9.3.10 ?????????????????

Linux ? VPN Bridge ???
????????????????????????? ./vpnbridge start ?????? VPN Bridge ?????????????????

Windows ?????????????????? vpnbridge ???
?? VPN Bridge ???

- ??????????(???? [3.6](#) ???????) ?????????????????VPN Bridge ???
?????????
- ?????????????????????? vpnbridge ?????????????????????????????????