

LAN IP NAT / LAN SoftEther VPN SecureNAT

10.11.3

10-11-1.png

NAT IP 192.168.1.0/24 LAN NAT Web 192.168.1.1 Linux (Windows ? Solaris ? VPN Bridge) root 192.168.1.10

IP VPN Server 1 VPN Server 130.158.6.51 IP

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SecureNAT

- 192.168.1.0/24 192.168.1.10
- 192.168.1.0/24

SecureNAT 192.168.1.10

????

130.158.6.51 IP VPN Server VPN Server VPN Server HUB (HUB "DEFAULT") HUB VPN Bridge (test)

?????????????)VPN Server ?????????? [SoftEther VPN Server](#) ?????? ???????
??

10.11.4 ????????? LAN ?? VPN Bridge ???

VPN Bridge ??????

??????? 1 ????????????? LAN (????????????????????192.168.1.10???????? LAN)
? ???

???????????????? LAN ?????????192.168.1.1???? IP ????? Linux ?????????????????????
??SoftEther VPN Bridge ???????????????

VPN Bridge ??VPN Server ???VPN Bridge ? Linux ???
????? tar.gz ??192.168.1.1???????????????????? VPN Bridge ?????????????????
? **vpnbridge**???????????????????? (???? [9.3.3](#) ?????????????????????????[9.3.4](#) ?????????? ??
? [9.3.5](#) ?????????????? ??????????)?

??? ?192.168.1.1??VPN Bridge ??????????????
????????????????????????? vpnbridge ?????????start???????????????????????????????? [5.2.2](#) [????](#)
[???](#) ????????????

```
$ ./vpnbridge start
```

???????192.168.1.1????????????? VPN Bridge ??????????????????Windows ?? VPN Bridge
????? start ???????????/usermode????????????????????

VPN Bridge ?????????

????VPN ???vpnncmd????????? VPN Bridge ?????????????
?? LAN ??? Windows ??????????????Windows ?? VPN ?????????????????????????????????
????? vpnncmd ????? UNIX ?????????????????????????vpnncmd ?????????? ??6? ?????????????
????????????? ???????????

????VPN ?????????????????????????????

10-11-2.png

VPN ?????????????

???[????????] ?????????????????? [?????????] ???[????] ??? VPN Bridge ??????????????
IP ?????????192.168.1.1????????????? [OK] ??????????

10-11-4.png

VPN Bridge ?????

SecureNAT ??????

SoftEther VPN Bridge ????? [?? HUB ???] ?????????????[?? HUB ??? - BRIDGE] ?????
????????

- [?????]

???????????????? VPN Server ??? HUB ?????????? (???? "test" ???) ???
 ?????????? "?????????" ??????????
- [?????]

VPN Server ??? HUB ?????????????????? (???? "test" ???) ??????????
- [?????]

VPN Server ??? HUB ??? (?????????) ???????
 ??

????????????????[OK] ?????????????????[BRIDGE ?????????] ?????????????????????
 ?????????????????????????

????????? VPN Server ??????????????

???????????????????????????? [????] ????????????????????????????????? [???? (????)] ??????
 ????????????????????????? VPN Server ??? HUB ?????????????????????????????????????
 ????????????????????????? ?

??VPN ?????????????????????

???????????????????? LAN (192.168.1.0/24) ?????????????????????????????

10.11.5 ??????????????

?? VPN Bridge ?????????????????????
 192.168.1.0/24 ?????????????????????????

?? VPN Client ????????????????????? VPN Client ?? VPN Server (??
 ?130.158.6.51?) ??? HUB ????????????? HUB ?? ??????? VPN Bridge (192.168.1.1) ?????
 ????? SecureNAT ??? NAT ????? DHCP ?????????????????????????????

???????????? HUB ????? VPN Client ??? LAN ?????????????192.168.30.0/24???? HUB ?????
 ????????? IP ????????????? DHCP ????????????????????????????????? SecureNAT ?????????
 ??? VPN Bridge ?????????
 ??? TCP/IP ?????????????????????

?10-11-8 SecureNAT ?????????????????

VPN Client ? VPN Server ??? SecureNAT ????? IP ?????????????
 ?????????????????????????192.168.1.10?? LAN ?????????????
 ??? VPN Bridge ????????????? NAT ?????????????

TCP/IP ??????????????????????Socket API ?????????????????????????????????
????????????????

??VPN ?????????????????VPN Bridge ????? NAT ?????????????????????????
?? VPN ??? LAN ?????
???????????????????? (???????????? LAN ??? LAN ?????????????????????????
?????????????????????)?

10-11-9.png

SecureNAT ?????????????????????????

10.11.6 SecureNAT ?????????????????

????????????SecureNAT ?? VPN Bridge ?????????????????????????????????

- SecureNAT ????????????? TCP/IP ?????????????????????????????????
???????????????????????????????????? VPN Bridge ?????????????????????
???????????? VPN Bridge ? SecureNAT ?????????????????????????????????
??SecureNAT ?????????????????????
- ????????? SecureNAT ????? VPN Bridge ??VPN Server ?????????????????
VPN ?????????SoftEther VPN ????????????????????????????? SSL ?????????????
?? VPN Server ?
????????????????????????(???? ?3.4.12 ????????????????????? ??) ?????????
- ????????????????????????????????????? NAT ?????????????????????????
???????????????????? NAT ?????????????????????????????????????
??
???????????????????????? NAT ?????????????????????SecureNAT ? VPN Bridge
????????????????????????????????????
- SecureNAT ?????????????SecureNAT ????????? VPN Bridge (??? VPN Server) ?
?? HUB ?????????????????????

10.11.7 SecureNAT ?????????????????

????????????SecureNAT ?? VPN Bridge ?? VPN Server ?????????????????????
???????????? LAN ???
???????????? SecureNAT ????????? HUB ?????????????????????????????
SoftEther VPN ?????????????????????

????SecureNAT ???
????????????????????VPN ???

????????????SecureNAT ????????????????????????? TCP/IP ? NAT ?????????????
???????????? SecureNAT ?????????????????

????????????????????????SecureNAT ?????????????????????????????????

- ????????????????????????????????????? LAN ?????????????????????????
- ????????????? (??) ?????????????
? SecureNAT ????????? VPN Bridge ?????????????????????????????????
??
- ?????????????????????????????SecureNAT ????????? VPN Bridge ?????????????
????????????????????
- ???

????????????????????????????????

10-11-10.png

???????? SecureNAT ?????