

1.1.2.jpg

VPN SoftEther VPN Ethernet over HTTPS

HTTPS Web Web HTTPS
HTTPS HTTPS
HTTPS HTTPS

HTTPS NAT ? HTTPS
LAN (Local Area Network) VPN

SoftEther VPN ? HTTPS VPN SoftEther
VPN LAN LAN IPsec/PPTP L2TP VPN

SoftEther VPN VPN SoftEther
VPN VPN

VPN ESP ? GRE IP VPN
VPN

LAN HTTP ? HTTPS
VPN VPN
SoftEther VPN VPN HTTPS VPN

?: SoftEther VPN VPN NAT VPN

iphone.jpg

???? Mac?iPhone?iPad ??? Android ?? SoftEther VPN Server ????????

- iPhone
- iPad
- Android
- Windows Mobile
- Windows XP / Vista / 7 / 8 / RT
- Mac OS X

IMG_4091.PNG

iPhone ??? Android ? SoftEther VPN Server ????????

ssl.2_2.jpg

GUI ??? L2TP/IPsec ??????????????

OpenVPN ??????????

SoftEther VPN Server ??OpenVPN ?????????? OpenVPN ??????????????????????
OpenVPN ?????????? VPN ?????????? VPN ?????????????????????? OpenVPN Server ?????
? SoftEther VPN Server ?????????????????????????????????? SoftEther VPN ??????????????????
?????????????????????????????????

SoftEther VPN Server ?????????? OpenVPN ??????OpenVPN Technologies, Inc. ??????
OpenVPN ??SoftEther VPN Server ??? OpenVPN
??? OpenVPN ?????????????????????? VPN ?????????????
????????????????? SoftEther VPN Server ??????????????????????SoftEther VPN ??OpenVPN ?
????????????????????? L3 VPN ?????????? L2 VPN ??????????????????????????????

OpenVPN Server ?????? SoftEther VPN Server ??????????????????????:

- SoftEther VPN Server ? OpenVPN Technologies, Inc. ?? OpenVPN Server ?????
????????????????????
- OpenVPN ??????????????????????VPN ?????????????????????? (.ovpn ????) ?????????????
- SoftEther VPN Server ? OpenVPN ?????????????????????????????????????? VPN ?????????
????????? SSL-VPN?L2TP/IPsec?MS-SSTP?L2TPv3/IPsec ??? EtherIP/IPsec ?????
?????????OpenVPN ?????????? VPN ?????????? VPN ?????????SoftEther VPN Server ?????
????????? 1 ?? VPN ??????????????????????
- ?????????????????????? GUI ??????????????????????????????????????VPN ??????????????????
????? 1 ??????????????????????????????
- OpenVPN ?????????????????????????????? (? : Linux?Mac OS X?UNIX?iPhone ???
Android) ?? SoftEther VPN Server ??????????????????

ss1.2.jpg

OpenVPN ?????? GUI ??????????????

IMG_4099.PNG

PC ?? OpenVPN ??????iPhone / Android ?? OpenVPN Client ????????

Microsoft SSTP VPN ??????????

SoftEther VPN Server ? Microsoft SSTP VPN ??????????????????Windows 7 / 8 / RT ??
SSTP VPN ????????????????????? OS ?? SoftEther VPN Server ? VPN ??????????????
SSTP (Secure Socket Tunneling Protocol) ? Microsoft ?????????? PPP over HTTPS ????
???????

???SSTP VPN ?????? Microsoft Windows Server 2008 / 2012 ??????????????????????
Microsoft ?? Windows
Server ? VPN ??????????????SoftEther VPN Server ??????Microsoft SSTP VPN Server
????????????????????Microsoft ??

Microsoft SSTP VPN Server ????? SoftEther VPN Server ??????????????????????:

- Microsoft ?? SSTP VPN Server ????????????????
- Windows ??????? VPN ??????????????????????Windows ??????? SSTP VPN ??????? SoftEther VPN Server ????????????????
- Windows RT (ARM ?? Windows) ?????????? SSTP VPN ????????????????
- ?????????????????? GUI ??????????????????????????????????VPN ?????????????????? ???? 1 ?????????????????????
- ??? Windows Server 2008 / 2012 ??
- SoftEther VPN Server ?????????? SSTP VPN ??????????????Windows ??? OS ??????? ??Linux?Mac OS X?FreeBSD ??? Solaris ????????????

L2TPv3/IPsec ??? EtherIP/IPsec ???????????

Cisco Systems ?????????????????????????????L2TPv3/IPsec ??? EtherIP/IPsec VPN ?????????? ?????????????????????????? L2 ??? VPN ??????????????????????SoftEther VPN Server ? IPsec ?? L2TPv3 ??? EtherIP ??????????????Cisco ?????????????? VPN ??????????SoftEther VPN Server ?????????? VPN ?????????????????????????????? L2 ?????? VPN ?????????????????????????????? ??????Cisco ?? VPN ??????????????????????VPN ?????????????????????? Cisco ?????????????? SoftEther VPN Server ??????????????????

1.3. Microsoft ?? OpenVPN ??????????????????????????

SoftEther VPN ??????????2012 ??? [?????????](#) ? ???????

????????? 5 ??? VPN ??????????????????: SoftEther VPN?L2TP/IPsec?SSTP?OpenVPN (??? 3 ???) ??? OpenVPN (??? 2 ???) ??????? SoftEther VPN ??????????????????????SoftEther VPN Server ?????????Microsoft Corporation ????? OpenVPN Technologies, Inc. ?????????????????? ??????????????????: Intel Xeon E3-1230 3.2GHz ??? Intel 10 Gigabit CX4 Dual Port Server Adapter ?????? Windows Server 2008 R2 x64?

- SoftEther VPN ?????????????? SoftEther VPN Server ??????? **980Mbps** ?????????????????? ???
- L2TP/IPsec ?????????????? SoftEther VPN Server ??????? **614Mbps** ?????????????????? Microsoft ?? Windows Server 2008 R2 ?? Routing and Remote Access ??? (RRAS) ??????????? **593Mbps** ?????????????????????
- SSTP ?????? SoftEther VPN Server ??????? **737Mbps** ?????????????????? Microsoft ?? Windows Server 2008 R2 ??????????? **715Mbps** ?????????????????????
- OpenVPN (L3) ?????? SoftEther VPN Server ??????? **89Mbps** ?????????????????? OpenVPN ?????????????????????? **76Mbps** ?????????????????????
- OpenVPN (L2) ?????? SoftEther VPN Server ??????? **90Mbps** ?????????????????? OpenVPN ?????????????????????? **83Mbps** ?????????????????????

????????SoftEther VPN Server ? Microsoft ??? Windows ??????????????L2TP/IPsec ????? **103.5%**?SSTP ??? **103.0%** ?????????????? OpenVPN ??????????????????????OpenVPN ??????????????

108-117% ??????????????SoftEther VPN ????? (Ethernet over HTTPS?1.1 ???) ??
980Mbps ?????????????? L2TP/IPsec ?????????? 159.6% ??????SSTP ??????????
175.2% ?????????? OpenVPN ?????????? 9.8 ??????????????????????

1.3.jpg

????? SoftEther VPN Server ?????????? VPN ??????????????????????????

- [?????????????????](#)

1.4. ?????????????? DNS ?? (*.softether.net)

????????????????? VPN ?????????????????????????????????? IP ?????????????????????? IP ??????????
??ISP ?? IP ??????????????????????????

SoftEthr VPN ?????????????????????????????????? DNS (DDNS) ?????????????????????? DNS ??????
?????????????????DDNS ?????????? VPN ?????? IP ?????? ".softether.net" ??????????????????????
????????????????? DDNS ??

DDNS ?????? "abc.softether.net" ("abc" ??????????????????????????????????) ?????? SoftEther
VPN Server ?????????????????? DDNS ?????????? VPN ?????????????????????????????????? DDNS
????? VPN ?????????????????????? VPN ?????????????????????????????????? IP ??????????????????DDNS
????????????????? IP ?????????????? IP ?? IP ??????????????????
ISP ??

1.4.jpg

????? DNS ? SoftEther VPN ??????????????????????

ss1.4.jpg

????? DNS ??????????????????????

1.5. NAT ????????

????? VPN ??????????VPN ??? NAT ??????
???????? (TCP ??? UDP ???) ???

??, ??? AMD64) ?????????? SoftEther VPN Server?Client ??? Bridge ???????

- **Linux**

Linux Kernel 2.4, 2.6 ??? 3.x ??????????????Intel x86 (32 ???), x64 (64 ???),
ARM, MIPS ??? PowerPC ?????????? SoftEther VPN Server?Client ??? Bridge
???????

- **FreeBSD**

FreeBSD 5.x, 6.x, 7.x, 8.x ??? 9.x ??????????????Intel x86 (32 ???) ??? x64 (64 ??
?, ??? AMD64) ?????????? SoftEther VPN Server ??? Bridge ???????

- **Solaris**

Solaris 8, 9, 10 ??? 11 ??????????????Intel x86 (32 ???), Intel x64 (64 ???),
SPARC (32 ?????? 64 ??????) ?????????? SoftEther VPN Server ??? Bridge ???
???

- **Mac OS X**

Mac OS X 10.4, 10.5, 10.6, 10.7 ??? 10.8 ??????????????Intel x86 (32 ???), Intel
x64 (64 ???), PowerPC (32 ???) ??? PowerPC G5 (64 ???) ?????????? SoftEther
VPN Server ??? Bridge ???????

[1.8.jpg](#)

?????????? VPN ??????????
SoftEther VPN ?????????? OS ????????????????