

????SoftEther VPN ??????????????????

[PacketiX VPN 4.0 \(?????????????????\) ??????SoftEther VPN 4.0 ??????????????????](#)

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

[????????????????? \(PacketiX VPN ???\)](#)

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

???: Beta ???RTM ?????????????????????????????

- **????????: SoftEther VPN 4.22 Build 9634 Beta (2016/11/27)**

**???: PacketiX VPN 4.22 Build 9634 Beta**

TLS 1.2 ????TLS 1.2 ??????????AES128-GCM-SHA256?AES128-SHA256?AES256-GCM-SHA384?  
AES256-SHA256?DHE-RSA-AES128-GCM-SHA256?DHE-RSA-AES128-SHA256?DHE-RSA-AES256-GCM-  
SHA384?DHE-RSA-AES256-SHA256?ECDHE-RSA-AES128-GCM-SHA256?ECDHE-RSA-AES128-SHA256?  
ECDHE-RSA-AES256-GCM-SHA384???ECDHE-RSA-AES256-SHA384 ??????

??? TLS ?????? / ?????????????????????????????????????VPN Server ?????????? Tls\_Disable1\_0?Tls\_Disable1\_1 ???

Tls\_Disable1\_2 ?????????????????????? TLS ?????????????????????????????????

OpenVPN ? TLS 1.2 ?????????????????????????????????

OpenSSL ?????? 1.0.2j ??????????????

Windows Server 2016 ?????????

2038 ??????????????

???????? HTTPS ?????????????? SNI ?????????????????????

RADIUS ?????????? "Called-Station-ID (30)" ?????? ?? HUB ?????????????????????????????

????? 3 ??????????????ARP ?????????? 1 ??????

Windows 10 ? VPN Server ?????????????????????

????????????? RSA ?????? 4096 bit ??????????

USB ??????CryptoID?????????????

???? UI ??????????????????

[Fix that ParseTcpOption doesn't work correctly](#)

[Add LSB header](#)

[Support Debian package build on aarch64 architecture](#)

[Support Debian package build on ARMv7l architecture](#)

[cppcheck issues](#)

[Default to TLS connections only](#)

[Allow specific SSL/TLS versions to be disabled](#)

[Adding Radius AVP Called-Station-Id](#)

[Fixed typo](#)

[Update CentOS makefiles and spec file](#)

[Systemd service configuration files for SoftEther](#)

[Fix set initialization, set.OnlyCapsuleModeIsInvalid could be garbage](#)

[Fixed OSX CPU utilization by replacing broken kevent\(\) with select\(\)](#)

[Add the possibility to send the Virtual Hub Name to an external DHCP server](#)

[Added armv5tel for debian/rules and made pushed routes work correct with OpenVPN](#)

[fix LogFileGet won't save to SAVEPATH](#)

[Fix for Debian Package](#)

[Try to autodetect OS and CPU instead of requiring user input](#)

[Support For Radius Realm](#)



vpn\_server.config ???RadiusConvertAllMsChapv2AuthRequestToEap???true?????????MS-CHAPv2 ?????? PEAP ??????????????????vpn\_server.config ??  
?RadiusConvertAllMsChapv2AuthRequestToEap?????RadiusUsePeapInsteadOfEap?????true??????  
????

- **?????????: SoftEther VPN 4.19 Build 9578 Beta (2015/09/15)**  
????????????? Windows 10 ?????????????? ?????????????????????????????????
- **?????????: SoftEther VPN 4.18 Build 9570 RTM (2015/07/26)**  
**???: PacketiX VPN 4.18 Build 9570 RTM**  
[Windows 10 ??????????](#)  
lang.config ?????????????????????????????? VPN ?????????????????????????????? lang.config ??????????????????????????  
????????????????????????????
- **?????????: SoftEther VPN 4.17 Build 9566 Beta (2015/07/16)**  
**???: PacketiX VPN 4.17 Build 9566 Beta**  
Windows 10 ??????????????????????????????  
OpenSSL ?????????????????? 1.0.2d ??????????????????
- **?????????: SoftEther VPN 4.17 Build 9562 Beta (2015/05/30)**  
**???: PacketiX VPN 4.17 Build 9562 Beta**  
Windows 10 Technical Preview Build 10130 ??????????  
Ethernet ?????????????? 1560 ?? 1600 ??????????  
????????????? Windows ??????????????????????????????  
??  
PacketiX VPN Client 3.0 ?? PacketiX VPN Server 4.0 ?????????????????????????????????  
VPN Client ? VPN ???  
Windows ?????????????????????????????? SHA-256 ?????????????????????????????????????
- **?????????: SoftEther VPN 4.15 Build 9546 Beta (2015/04/05)**  
**???: PacketiX VPN 4.15 Build 9546 Beta**  
Windows 10 Technical Preview Build 10049 ? VPN Server / VPN Bridge ?????????????????????????????????  
???
- **?????????: SoftEther VPN 4.15 Build 9539 Beta (2015/04/04)**  
**???: PacketiX VPN 4.15 Build 9539 Beta**  
VPN Client ?????? Windows ?? VPN ?????????????????????
- **?????????: SoftEther VPN 4.15 Build 9538 Beta (2015/03/27)**  
**???: PacketiX VPN 4.15 Build 9538 Beta**  
Windows 10 Technical Preview Build 10041 ?????????????????????????????????????
- **?????????: SoftEther VPN 4.15 Build 9537 Beta (2015/03/26)**  
**???: PacketiX VPN 4.15 Build 9537 Beta**  
?????? OpenSSL ?????????? 0.9.8za ?? 1.0.2a ??????????????????  
???: ???
- **?????????: SoftEther VPN 4.14 Build 9529 Beta (2015/02/02)**  
**???: PacketiX VPN 4.14 Build 9529 Beta**  
**????????????????????** 4.13 (Beta) ?? L2TP ?????????????????????????????????? Build 9514 ? 9524 ??????????????????

??? (????????????????????) ??? 4.13 ??? L2TP ?????????????????????  
????????????????????

VPN ????????????????? IP ??? HUB ?????????  
"NoPhysicalIPOnPacketLog" ??? "1" ?????????????????????????????

• **?????????: SoftEther VPN 4.13 Build 9524 Beta (2015/01/31)**

**???: PacketiX VPN 4.13 Build 9524 Beta**

Linux ? VPN Server ??? Ethernet ????????? 1 ?????????????????????  
Ethernet ??? 1 ?????????????????????

?? HUB ??????????SecureNAT\_RandomizeAssignIp???????????????????? 1 (??) ??????SecureNAT ?????????  
DHCP ??????DHCP ????????????????? IP ????????????? IP ???  
??

?? HUB ??????????DetectDormantSessionInterval???????????????????? 0 ????????????????????????????????? VPN ??????  
???????? (????) ????????????????????????? VPN ????????????????????? HUB ?????????????????????????????????????  
OpenSSL ? SHA() ?????????????????SHA() ??? C ????????????????????????????????? OpenSSH ? SHA() ?????????????????  
????????????????????????????????????

Windows 10 Technical Preview ? OS ?????????????????????????????????

• **?????????: SoftEther VPN 4.12 Build 9514 Beta (2014/11/17)**

**???: PacketiX VPN 4.12 Build 9514 Beta**

VLAN ID ?????????????????????IEEE802.1Q ??? VLAN ????????? L2 ????????????????????? HUB ?????????????????????  
VPN ??? VLAN ID ????????????????????? VPN ????????????????????? RADIUS ?????????????  
RADIUS ????????? VLAN ??????????RADIUS ??????"Tunnel-Pvt-Group-ID" (ID = 81) ?????????????????????  
?? HUB ??????????AssignVlanIdByRadiusAttribute????1???

vpn\_server.config ????????? OpenVPNDefaultClientOption ???OpenVPN  
Client ???  
??  
?? DHCP ???

Linux ????????? resolv.conf ???  
???????????????????? VPN ???  
????? 3 ???  
NAT ????????????????????????? (??)

• **?????????: SoftEther VPN 4.11 Build 9506 Beta (2014/10/22)**

**???: PacketiX VPN 4.11 Build 9506 Beta**

[SSLv3 POODLE](#) ?????????????????SoftEther VPN Server / PacketiX VPN Server ? vpn\_server.config ?????????  
? "AcceptOnlyTls" ?????????????????SoftEther VPN Server / PacketiX VPN Server ??? SSLv3 ?????????????????????  
????????????????????????

SSL/TLS ??? Perfect Forward Security (PFS) ?????????????????SoftEther VPN Server / PacketiX VPN  
Server ??DHE-RSA-AES128-SHA ??? DHE-RSA-AES256-SHA ???

• **?????????: SoftEther VPN 4.10 Build 9505 Beta (2014/10/03)**

**???: PacketiX VPN 4.10 Build 9505 Beta**

?? HUB ? MAC ???  
????????

?? CPU ?????? (? : ??? Linux ??) ?????????????????????????????????  
???????????????????? DoNotDisableOffloading ??? Ethernet ?????????????????????  
????????????????????????

Windows ??? Linux ??? IEEE802.1Q ??? VLAN ???

???????? VLAN ??????????????  
 FloodingSendQueueBufferQuota ??????????????  
 Linux ??? oom\_adj ?????????????????????????????????  
 ?????????????????????????????????  
 64 ?????????????????????????????????  
 vpngcmd ??? ConfigGet ??????? /CSV ??????????????Windows ????? API ?????????????????  
 VPN Server ??? VPN Brdige ??? DisableSessionReconnect ?????????????????????????????????  
 ?? VPN Server ????????? TCP ????????????????????? VPN ?????????????????????  
 ????????????? PrivacyFilterMode ?????????????????????  
 VPN Server ??? VPN Bridge ??? GlobalParams ????????????????????????????????? VPN Server ??? VPN  
 Bridge ?????????????????????????????????????  
 ?? HUB ????????????? & ????????????? ACL ?????????????????????????????  
 Linux ?????????????????????  
 SecureNAT ???  
 VPN Server ??? VPN Bridge ? ServerLogSwitchType ??? LoggerMaxLogSize ?????????????????????  
 ???VPN Server ??? VPN Bridge ?????????????????????  
 ???VPN Server ????? "vpn\_server\_template.config" ??  
 ??VPN Bridge ????? "vpn\_server\_template.config" ?????????????????????VPN Server ??? VPN Bridge ?????????  
 ???

- **?????????: SoftEther VPN 4.10 Build 9473 Beta (2014/07/12)**

- ???: PacketiX VPN 4.10 Build 9473 Beta**

- ?? HUB ????????? "SuppressClientUpdateNotification" ???VPN Client ?????????  
 ???  
 "SuppressClientUpdateNotification" ??????? "1" ?????????????  
 ?????????????????????? root ??? (UNIX ???)?  
 UNIX ?? SoftEther VPN Server ???  
 ?????????? PKCS#11 DLL ??????????????????: ePass 1000 ND / ePass 2000 / ePass 2003 / ePass 3000?  
 ?????????????????  
 ?????????????????????????????????????  
 Version 4.09 Build 9451 Beta ??? VPN Azure ?????????????????  
 ??? VPN ????????????????????? VPN ?????????????????????????????????????  
 SoftEther VPN ?????????????? Web ????????????????????????????????? URL ????????????????????????????????? HTTP ?????  
 ?????????????????????????????  
 ????????????????? Github ?????????? ["update debian packaging, install init script"](#) ??????????

- **?????????: SoftEther VPN 4.09 Build 9451 Beta (2014/06/09)**

- ???: PacketiX VPN 4.09 Build 9451 Beta**

- ???????? SecureNAT ?????????????????????TCP\_FIN ???FTP ?????????????????????????????

- **?????????: SoftEther VPN 4.08 Build 9449 (2014/06/08)**

- ???: PacketiX VPN 4.08 Build 9449**

- RSA 2048 bit ??????????????**

- vpngcmd ????????????????????? MakeCert ?????? 1024 bit ?????? RSA ?????????????????????? 2048 bit ? RSA ?????????  
 ???  
 ???  
 ???????

- NAT ?????????????????????**



Server ????? SSL ??????????????????VPN Server Manager ? GUI ??????????????vpn cmd ???  
ServerCertRegenerate ??????????????

VPN Server ?????????? VeriSign?GlobalSign?RapidSSL ??? CA (????) ??????????????????????  
??  
??

VPN Server ?????????? VeriSign?GlobalSign?RapidSSL ??? CA (????) ??????????????????OpenVPN ???  
???????????????? .ovpn ?????????? <ca> ???  
(??  
?)?

VPN Server ? SSL ???  
??  
??  
??

UI ???

• **?????????: SoftEther VPN 4.06 Build 9435 (Beta) (2014/03/26)**

???: PacketiX VPN 4.06 Build 9435 (Beta)

????????? VPN Client ???VPN Client ?????????? RPC (?????????????) ??? TCP ?????????? (TCP ???  
9999 ??? 9930) ???  
??

• **?????????: SoftEther VPN 4.06 Build 9433 (Beta) (2014/03/21)**

???: PacketiX VPN 4.06 Build 9433 (Beta)

**?????????????????**

?????? (Build 9432) ???UNIX ?????????????? VPN Server ? VPN Client ? NAT ??????????????????????  
??Unicode ??? (NAT ??????????????????????)  
????????????????????Build  
9433 ?????????????????????Build 9430 ??? 9432 ? UNIX ????????????????????? Build 9433 ??????????????  
??

• **???: PacketiX VPN 4.06 Build 9432 (Beta) (2014/03/20)**

?????? (Build 9430) ???RSA ???  
RSA ????????????????????? Build  
9432 ?????????????????????????????????

• **?????????: SoftEther VPN 4.06 Build 9430 (Beta) (2014/03/20)**

???: PacketiX VPN 4.06 Build 9430 (Beta)

????????????????? (????????PacketiX VPN ??????):

- ???
- SecureNAT ??? DHCP ???  
????????????????????????????????
- SecureNAT ?????????? DHCP ???  
(RFC 3442)?
- ?????????? VPN ?????? (SoftEther VPN ?????????OpenVPN ?????????L2TP/IPsec ?????????? MS-SSTP ?????  
?) ???

VPN ?????????? DDNS ???  
??  
???????????????? ARP ???  
??  
"DropBroadcastsInPrivacyFilterMode" ??? "DropArpInPrivacyFilterMode" ??? bool ?????????? HUB

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

SHA-2 (SHA-256) ?????????????? X.509 ????? 3 ?????????????????????????????????

???????????????????? Linux ?????? "vpnserver stop" ?????????????????????????????????SoftEther VPN ?  
?? "killall -KILL vpnserver" ?  
???????????????????? (90 ?) ??????????

VPN Client ????????????????? NAT ?????????????????????????????????

Added [Several Fixes for OS X.](#)

Added [Improved Simplified Chinese UI resources.](#)

Added [Workaround for when vpnserver hangs on stop on minor Linux environments.](#)

• **?????????: SoftEther VPN 4.05 Build 9423 (Beta) (2014/02/18)**

???: **PacketiX VPN 4.05 Build 9423 (Beta)**

Added [Files for building CentOS/RHEL RPM.](#)

Set the "VPN over DNS" and "VPN over ICMP" functions disabled by default on VPN Server / VPN Bridge.

• **?????????: SoftEther VPN 4.05 Build 9422 (Beta) (2014/02/17)**

???: **PacketiX VPN 4.05 Build 9422 (Beta)**

Added [the supporting of /hostname and /password command-line arguments on VPN Client.](#)

Added the NSDI 6.x Lightweight Helper Kernel-mode Module for the local-bridge function. This kernel-mode driver runs only on Windows 8.1 / Windows Server 2012 R2 or later.

• **?????????: SoftEther VPN 4.05 Build 9416 (Beta) (2014/02/06)**

?: [the support for OpenBSD on the source code.](#)

?: [the debian packaging on the source code.](#)

?: [the adminip.txt CIDR support.](#)

?: [the supporting VLAN for Mac OS X using TunTapOSX.](#)

?: the .zip package with vpnsmgr.exe and vpncmd.exe for system administrators.

• **?????????: SoftEther VPN 4.04 Build 9412 (2014/01/15)**

???? UI ???

• **?????????: SoftEther VPN 4.03 Build 9411 (2014/01/07)**

???????????????????? 9408 ?????????? C# ???BuildUtil ?????????????????  
??

• **?????????: SoftEther VPN 4.03 Build 9408 (2014/01/04)**

SoftEther VPN ??? 3.xx ?????? PacketiX VPN ?????????????????????  
?? SoftEther VPN ????????????????? 4.xx ??????????

• **?????: SoftEther VPN 2.00 Build 9387 (2013/09/16)**

???: **PacketiX VPN 4.02 Build 9387**

????????????????2013 ? 10 ?? Microsoft ????????????????? Windows 8.1 ??? Windows Server 2012 R2 (RTM ?) ??  
?? Windows 8.1 ??? Windows Server 2012 R2 ??????Windows 8 ?? Windows 8.1 ???  
?? VPN ?????????????????????????????????????

????????????????SoftEther VPN (????) ????????????????? 2.0 ??????????



- **????: SoftEther VPN 1.01 Build 9379 RTM (2013/08/18)**  
**???: PacketiX VPN 4.01 Build 9379 RTM**  
**????????????????PacketiX VPN 4.0 ??? SoftEther VPN 1.0 (Server ??? Bridge) ????????????????**  
**??PacketiX VPN 4.0 / SoftEther VPN 1.0 ????????????????????? (?????) ?? HUB ?????????????????????**  
**?? PacketiX VPN 3.0 ????????????????? (?????) ?? HUB ?????????????????????**  
  
 PacketiX VPN 4.0 ??? SoftEther VPN 1.0 (Server ??? Bridge) ???VPN Server Manager ??? vpcmd ??  
 ??? HUB ????????????? (???) ????????????????????????? HUB ??  
 ????????????????????? HUB ??? HUB ???  
 ????????????????????????????? HUB ??? HUB ???????  
 ?? (???) ?????? HUB ?????????? HUB ???  
 ?? HUB ????????????????????????????? HUB ??? HUB ???????????  
 ???
- **???: PacketiX VPN 4.00 Build 9378 RTM (2013/08/14) \* PacketiX VPN ??**  
 ????????? PacketiX VPN ??? 9378 ???
- **????: SoftEther VPN 1.00 Build 9376, 9377 RTM (2013/08/03) \* SoftEther VPN ??**  
 This is a minor fix.  
 Improvement Stability of NAT Traversal.  
 Add HTTP User-Agent Indication Behavior when using VPN Gate Client.
- **????: SoftEther VPN 1.00 Build 9371 RTM (2013/07/25)**  
**???: PacketiX VPN 4.00 Build 9371 RTM**  
 ??????? RTM (???) ???  
 ???  
 SoftEther VPN ????????????????? SoftEther VPN ???
- **Ver 1.00 Build 9367 RC4 (2013/06/21)**  
 ?????????RTM (???) ???
- **Ver 1.00 Build 9091 RC3 (2013/05/19)**  
 ????????? RC3 ?????????????RC3 ?????? (GA: Generally Available) ?????????????????????????  
 - L2TPv3 ??? EtherIP over IPsec ????????????? vpcserver ???  
 - VPN ????????????????? vpcmd ????????? HUB ???  
 - VPN ????????????????? vpcmd ???  
 - ?????? DNS ?????? NAT ?????????????????????
- **Ver 1.00 Build 9079 RC2 Fix17 (2013/05/05)**  
 ???
- **Ver 1.00 Build 9078 RC2 Fix16 (2013/04/28)**  
 ????????????????????????????????????? HUB ?????????? "deny\_empty\_password" ???  
 ??  
 ?????????????  
 IPv6 DNS ?????????????????????
- **Ver 1.00 Build 9074 RC2 Fix15 (2013/04/24)**  
 ?????? DNS ?????????????????????

- **Ver 1.00 Build 9071 RC2 Fix14 (2013/04/20)**  
????????????????
- **Ver 1.00 Build 9070 RC2 Fix13 (2013/04/18)**  
?? (Win32 ??????)?  
??
- **Ver 1.00 Build 9069 RC2 Fix12 (2013/04/17)**  
SSL ??????????????????????  
TCP ??????????????????????
- **Ver 1.00 Build 9053 RC2 Fix11 (2013/04/08)**  
UDP ??????????????????????  
?????: IKE ??? OpenVPN (UDP ???) ??????????????????????
- **Ver 1.00 Build 9045 RC2 Fix10 (2013/04/02)**  
????????????????????
- **Ver 1.00 Build 9043 RC2 Fix9 (2013/04/01)**  
HTTP ??????????????????????  
UDP ??????????????????  
?????: SecureNAT ??????????????????????
- **Ver 1.00 Build 9035 RC2 Fix8 (2013/03/26)**  
?????????: X.509 ?????????????????????? SSL-VPN ???  
??
- **Ver 1.00 Build 9033 RC2 Fix7 (2013/03/22)**  
?????????
- **Ver 1.00 Build 9030 RC2 Fix6 (2013/03/21)**  
?????: L2TP/SSTP/OpenVPN ?????????????????????????????????
- **Ver 1.00 Build 9029 RC2 Fix5 (2013/03/17)**  
?????????????
- **Ver 1.00 Build 9027 RC2 Fix4 (2013/03/12)**  
?????????
- **Ver 1.00 Build 9026 RC2 Fix3 (2013/03/10)**  
?????: DDNS ??????????????????????
- **Ver 1.00 Build 9024 RC2 Fix2 (2013/03/09)**  
?????: Windows ? VPN over DNS ??????????
- **Ver 1.00 Build 9023 RC2 Fix1 (2013/03/08)**  
?????????
- **Ver 1.00 Build 9022 RC2 (2013/03/08)**  
?????????