2.1 VPN ???????

SoftEther VPN ???VPN ??????????????????????????????SSL?(Secure Sockey Layer) ??? ??? 3 ?????????SoftEther VPN ?? SSL ??? VPN ????????????????????????????????????? ?????

?????SoftEther VPN ??????????????????????SoftEther VPN ??????????????????1.6 VPN ?????? ?????????

2.1.1 ????

SoftEther VPN ???? HUB ??????? Ethernet ?????????VPN Client / VPN Server / VPN Bridge ?? VPN ?????????????? VPN ????????SoftEther VPN ??????? TCP/IP ???????? ?????????? Ethernet ???????????????????????? IP ????????????????????

???TCP/IP ??????????????????????????????????????TCP/IP ???????????????????????? ??

?????????? SoftEther VPN ??????????????????VPN ???????????? TCP/IP ????????????? ??SoftEther VPN ???????????????????????? VPN ?????????????????? VPN ???????????????????????????? IP ????????????????????????? ??

2.1.2 ???

SoftEther VPN ?????? TCP/IP ???????????????????? TCP/IP ??????????????????????? SoftEther VPN ???? VPN ???????? TCP/IP ???????????????????????????????????? VPN ??? ??????????

?????? PPTP ? L2TP / IPSec ?????????? VPN ????????????????????????????NAT???????? ?????????? VPN ????????????????????????????

????????????????????????????????????? VPN ??????????????4.4 VPN Server ??????? ????? ??????

2.1.3 ??????????

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

- ????????????????????????????????

- VPN ??????????????NAT ????????????????????????????????????
- VPN ??????????? (QoS ??) ??????TCP/IP ?????? 1 ????????????????????????? ?????????
- VPN ??????????????NAT ??? TCP/IP ??????????????????????TCP/IP ????????????????????????????????????? ?????????????HTTPS ????????????????????????????? HTTP ?????????????? ????????? TCP/IP ??????????????????????????????????????

VPN ????????????SoftEther VPN Server ???? 1 ?? VPN ?????????????? TCP/IP ??????? ??SoftEther VPN ????????? VPN ??? ????????????????????????????????

2-1-1.png

??? TCP/IP ????????? VPN ????????

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

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

SoftEther VPN Server ???? VPN ???????????????? VPN Server ????????????????????? ????????????????????????? VPN Server ??? ????????? (?????? 5 ????????????????)?

??????????????15 ????????????????????????????????? VPN Server ?????????????? ?????????????

????????????????????? SoftEther VPN Server ????????????????????????????????????? ??????????????10 ???

VPN ???

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

VPN Client ???????????? VPN ?????	5 ???? (?????? 15 ??)	0 ? ? ?? (????????)
VPN Server / VPN Bridge ???????????? ????? VPN ?????	10 ?? (??)	?? (??)

VPN ??????? TCP/IP ??????????

SoftEther VPN Server ???? VPN ?????????? TCP/IP ???????????????????????? TCP/IP ?? TCP/IP ????????????? ???????????????????????????????? TCP/IP ?????????????????????? TCP/IP ?????????????? VPN ?????????????????????? TCP/IP ?????????????????????

2-1-2.png

??? TCP/IP ???????????????????????????????

TCP/IP ????????????1 ??? 32 ???????????????????????

- SoftEther VPN Client?????????????????????????????1 ?????
- ?SoftEther VPN Server / SoftEther VPN Bridge?????????????????????????????? ??8 ?????

TCP/IP ?????????????????? VPN ?????????????????????????????????????? IP ?????? ? VPN Server ?? ??ISDN ??? PHS ??????????? kbps ???????????????? TCP/IP ???????????? Keep-Alive ???

????VPN ????????????????????????????????? TCP/IP ????????????????? VPN ????
??4.8 ???????????
?????????

? TCP/IP ???????????

2 ???? TCP/IP ?????????? VPN ????????????2 ????? TCP/IP ????????1 ??? TCP/IP ???
??1 ??????1 ?????????????????

??????? 1 ????????????????? (32 ???) ? TCP/IP ?????????????????????? TCP/IP ?????
?????? IP ????????????????????? IDS ???????DoS ?????????????????????????? TCP/IP ?
???????????????? VPN ??

2-1-3.png

? TCP/IP ???????????

? TCP/IP ?????????

2 ???? TCP/IP ??????????? VPN ???????????????? TCP/IP ???????????????? VPN Server ????????????????????????????? TCP/IP ????????????????????????????? TCP/IP ? ??

?????????? IP ?????????????????????? IDS ??? 1 ?? TCP/IP ????????????????????????????????DoS ????????????????????????????????? ????????????SoftEther VPN ???????? VPN ?????????????????

?????????

??????? 2 ???? TCP/IP ??????????? VPN ????????????VPN ???? SoftEther VPN ??????? ?? TCP/IP ?????????????????? TCP/IP ?????????????????????????? TCP/IP ???????????????????? ??????????????????????SoftEther VPN ???????????????????? TCP/IP ????????????????????????? ???VPN Server ????????????(??????)??????????? VPN ??????? (??????)??????????????? ??????? TCP/IP ?????????????????????????? (?????) ???????????? TCP/IP ????????????? ????????????????????????????????????

?????????? IP ??????????????????????IDS ??? ??? TCP/IP ?????????????HTTPS ??? SSL ??? ??????????????????????SoftEther VPN ??? ????????????????????????????SoftEther VPN ???????? VPN ????????????????????

??CPU ????????????????????????????????? ??

2-1-4.png

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

???????????

SoftEther VPN ?????????????????????? SSL ?????????????????????????????????????? ?????????????????

- VPN ????????? IP ?????????????? LAN ?????????????????????????????????????? ?????????????????
- VPN ?? ?????????????????????????????????
- SoftEther VPN ?????????????? (SSH ?????????) ?????????????????????????????? ?????????
- VPN ???????????PacketX VPN Server ?????????????????????? (localhost ???? ??????)?????? VPN Server ??? HUB ?????????????????????????????????????

?????????????????????????SoftEther VPN ????????? IP ?????????????????? Ethernet ?? ?????? CPU ?????????? Ethernet ???

?????????????????????????????????????? SSL ?????????

????????

SoftEther VPN ?????????????????? Ethernet ?? ?Jean-loup Gailly?????Mark Adler???????deflate?????????????????????????????????????? ??????????????

VPN ?????????????????????????????? 80% ???????????? (??????????????)????????????? ??????????????? CPU ?? 10 Mbps ?????????? ?????????????????????????????????

2.1.4 ???????????

SoftEther VPN ????????SSL ?? ???????

- **RC4-MD5**
- **RC4-SHA**
- **AES128-SHA**
- **AES256-SHA**
- **DES-CBC-SHA**
- **DES-CBC3-SHA**

??????????????????SoftEther VPN Server ?????????? (????????????????????????????)?
??RC4-MD5???????????

RC4-MD5 ??
????????????????? AES ????????????????????????????AES ????????????????????????????
???????????

2.1.5 VoIP / QoS ????

SoftEther VPN ???????VPN ?????? QoS ????????VoIP ????????????????????????????????
???????????????????? ?1.9 VoIP / QoS ????? ??????????

????

- 1.6 VPN ?????
- 1.9 VoIP / QoS ????
- 4.4 VPN Server ??????
- 4.8 ???????????