

router - Podrška #18399

Tomato > OpenVpn test klijenta i servera

23.09.2009 08:48 - Jasmin Beganović

Status:	Zatvoreno	Početak:	23.09.2009
Prioritet:	Normalan	Završetak:	
Odgovorna osoba:	Jasmin Beganović	% završeno:	100%
Kategorija:		Procjena vremena:	0.00 sat
Ciljna verzija:			
Opis			
jučer dogovorili na sastanku			

Historija

#1 - 23.09.2009 13:49 - Jasmin Beganović

- Fajl *tomatovpn-1.25vpn3.3.7z* dodano

pregledao na svom tomato ruteru , nigdje nema podešenje OpenVPN tunela, VPN se može podesiti samo kao WAN konekcija što u našem slučaju ne odgovara:

[Tomato OpenVPN distribucije](#)

roadkill	1.21	?	Yes	OpenVPN	OpenVPN	SD, MMC	No
SgtPepperKSU	1.25***	?		OpenVPN	OpenVPN		

idem na ovu SgtPepperKSU 1.25 jer je zadnja promjena August, 2009 a ovaj roadkill je dosta stariji

[Tomato SgtPepperKSU](#)

#2 - 23.09.2009 13:52 - Jasmin Beganović

- Fajl *openvpn-client-basic.png* dodano

- Fajl *openvpn-client-advanced.png* dodano

- Fajl *openvpn-client-keys.png* dodano

#3 - 23.09.2009 13:53 - Jasmin Beganović

nakon flasovanja routera sa ovim firmwareom dobije se u opcijama VPN tunneling gdje se može podesiti klijent ili server, odradio podešenje sa svojim ključevima i VPN odprve uspostavljen

#4 - 23.09.2009 13:54 - Jasmin Beganović

evo i loga tunela

```
[[Sep 23 04:23:34 unknown daemon.notice openvpn508: OpenVPN 2.1_rc15 mipsel-unknown-linux-gnu [SSL] [LZO2] built on May 31 2009
Sep 23 04:23:34 unknown daemon.warn openvpn508: WARNING: No server certificate verification method has been enabled. See
http://openvpn.net/howto.html#mitm for more info.
Sep 23 04:23:34 unknown daemon.warn openvpn508: NOTE: the current --script-security setting may allow this configuration to call user-defined
scripts
Sep 23 04:23:34 unknown daemon.notice openvpn508: LZO compression initialized
Sep 23 04:23:34 unknown daemon.notice openvpn508: Control Channel MTU parms [ L:1542 D:138 EF:38 EB:0 ET:0 EL:0 ]
Sep 23 04:23:35 unknown daemon.notice openvpn508: Data Channel MTU parms [ L:1542 D:1450 EF:42 EB:135 ET:0 EL:0 AF:3/1 ]
Sep 23 04:23:35 unknown daemon.notice openvpn512: Socket Buffers: R=[32767->65534] S=[32767->65534]
Sep 23 04:23:35 unknown daemon.notice openvpn512: UDPv4 link local: [undef]
Sep 23 04:23:35 unknown daemon.notice openvpn512: UDPv4 link remote: 89.146.133.222:1194
Sep 23 04:23:35 unknown daemon.notice openvpn512: TLS: Initial packet from 89.146.133.222:1194, sid=b70229de 94454cec
Sep 23 04:23:35 unknown daemon.notice openvpn512: VERIFY OK: depth=1, /C=BA/ST=BiH/L=Sarajevo/O=bring.out.ba/CN=hernad/Email=
cs@sigma-com.net
Sep 23 04:23:35 unknown daemon.notice openvpn512: VERIFY OK: depth=0, /C=BA/ST=BiH/L=Sarajevo/O=bring.out.ba/CN=server/Email=
sa@bring.out.ba
Sep 23 04:23:37 unknown daemon.notice openvpn512: Data Channel Encrypt: Cipher 'BF-CBC' initialized with 128 bit key
Sep 23 04:23:37 unknown daemon.notice openvpn512: Data Channel Encrypt: Using 160 bit message hash 'SHA1' for HMAC authentication
Sep 23 04:23:37 unknown daemon.notice openvpn512: Data Channel Decrypt: Cipher 'BF-CBC' initialized with 128 bit key
Sep 23 04:23:37 unknown daemon.notice openvpn512: Data Channel Decrypt: Using 160 bit message hash 'SHA1' for HMAC authentication
Sep 23 04:23:37 unknown daemon.notice openvpn512: Control Channel: TLSv1, cipher TLSv1/SSLv3 EDH-RSA-DES-CBC3-SHA, 1024 bit RSA
Sep 23 04:23:37 unknown daemon.notice openvpn512: [server] Peer Connection Initiated with 89.146.133.222:1194
```

```

Sep 23 04:23:38 unknown daemon.notice openvpn512: SENT CONTROL [server]: 'PUSH_REQUEST' (status=1)
Sep 23 04:23:38 unknown daemon.notice openvpn512: PUSH: Received control message: 'PUSH_REPLY,route 10.8.0.0 255.255.255.0,topology
net30,ping 10,ping-restart 120,ifconfig 10.8.0.179 10.8.0.1'
Sep 23 04:23:38 unknown daemon.notice openvpn512: OPTIONS IMPORT: timers and/or timeouts modified
Sep 23 04:23:38 unknown daemon.notice openvpn512: OPTIONS IMPORT: --ifconfig/up options modified
Sep 23 04:23:38 unknown daemon.notice openvpn512: OPTIONS IMPORT: route options modified
Sep 23 04:23:38 unknown daemon.notice openvpn512: TUN/TAP device tun11 opened
Sep 23 04:23:38 unknown daemon.notice openvpn512: TUN/TAP TX queue length set to 100
Sep 23 04:23:38 unknown daemon.notice openvpn512: /sbin/ifconfig tun11 10.8.0.179 pointopoint 10.8.0.1 mtu 1500
Sep 23 04:23:38 unknown daemon.notice openvpn512: updown.sh tun11 1500 1542 10.8.0.179 10.8.0.1 init
Sep 23 04:23:39 unknown daemon.info dnsmasq208: exiting on receipt of SIGTERM
Sep 23 04:23:39 unknown daemon.info dnsmasq535: started, version 2.47 cachesize 150
Sep 23 04:23:39 unknown daemon.info dnsmasq535: compile time options: no-IPv6 GNU-getopt no-RTC no-DBus no-l18N no-TFTP
Sep 23 04:23:39 unknown daemon.info dnsmasq535: DHCP, IP range 192.168.1.110 -- 192.168.1.120, lease time 1d
Sep 23 04:23:39 unknown daemon.info dnsmasq535: reading /etc/resolv.dnsmasq
Sep 23 04:23:39 unknown daemon.info dnsmasq535: using nameserver 77.239.1.5#53
Sep 23 04:23:39 unknown daemon.info dnsmasq535: using nameserver 77.239.1.4#53
Sep 23 04:23:39 unknown daemon.info dnsmasq535: read /etc/hosts - 0 addresses
Sep 23 04:23:39 unknown daemon.info dnsmasq535: read /etc/hosts.dnsmasq - 1 addresses
Sep 23 04:23:40 unknown daemon.notice openvpn512: /sbin/route add -net 10.8.0.0 netmask 255.255.255.0 gw 10.8.0.1
Sep 23 04:23:40 unknown daemon.notice openvpn512: Initialization Sequence Completed]]

```

#5 - 23.09.2009 13:54 - Jasmin Beganović

```

pingam kraj tunela
C:\Documents and Settings\jolly>ping 10.8.0.1

```

```

Pinging 10.8.0.1 with 32 bytes of data:

```

```

Reply from 10.8.0.1: bytes=32 time=38ms TTL=63
Reply from 10.8.0.1: bytes=32 time=37ms TTL=63

```

#6 - 23.09.2009 13:56 - Jasmin Beganović

hm ostaje još dodavanje rute prema bring.out, podešenja na tomatou Static Routing Table ne dozvoljavaju rutiranje kroz tunel nude samo LAN i WAN , pogledaću dali ima custom opcija

#7 - 23.09.2009 13:58 - Jasmin Beganović

```

Tomato v1.25vpn3.3

```

```

BusyBox v1.14.0 (2009-05-31 18:41:13 CDT) built-in shell (ash)
Enter 'help' for a list of built-in commands.

```

1. ifconfig

```

tun11      Link encap:Point-to-Point Protocol
           inet addr:10.8.0.179 P-t-P:10.8.0.1 Mask:255.255.255.255
           UP POINTOPOINT RUNNING NOARP MULTICAST MTU:1500 Metric:1
           RX packets:4 errors:0 dropped:0 overruns:0 frame:0
           TX packets:4 errors:0 dropped:0 overruns:0 carrier:0
           collisions:0 txqueuelen:100
           RX bytes:288 (288.0 B)  TX bytes:288 (288.0 B)

```

#8 - 23.09.2009 13:59 - Jasmin Beganović

```

ručno dodavanje rute fercera

```

1. /sbin/route add -net 192.168.45.0 netmask 255.255.255.0 gw 10.8.0.1
2. ip route show

```

10.8.0.1 dev tun11 proto kernel scope link src 10.8.0.179
10.8.0.0/24 via 10.8.0.1 dev tun11
192.168.1.0/24 dev br0 proto kernel scope link src 192.168.1.1
77.239.26.0/24 dev vlan1 proto kernel scope link src 77.239.26.5
192.168.45.0/24 via 10.8.0.1 dev tun11
127.0.0.0/8 dev lo scope link
default via 77.239.26.1 dev vlan1

```

3. ping 192.168.45.4

PING 192.168.45.4 (192.168.45.4): 56 data bytes

```
64 bytes from 192.168.45.4: seq=0 ttl=64 time=65.888 ms
64 bytes from 192.168.45.4: seq=1 ttl=64 time=41.823 ms
```

#9 - 23.09.2009 14:50 - Jasmin Beganović

podeseo i provjerio pristup bringout > bjasko

```
root@router-back:/etc/openvpn/clients# cat bjasko
```

```
ifconfig-push 10.8.0.179 10.8.0.1
iroute 192.168.1.0 255.255.255.0
```

```
root@router-back:/etc/openvpn/clients# grep 192.168.1.0 /etc/rc.local
```

```
ROUTES="192.168.4.0/24 192.168.11.0/24 192.168.65.0/24 192.168.66.0/24 192.168.42.0/24 192.168.43.0/24 192.168.44.0/24 192.168.55.0/24 192.168.77.0/24 192.168.14.0/24 192.168.1.0/24"
```

```
root@router-back:/etc/openvpn/clients# grep 192.168.1.0 /var/log/syslog
```

```
Sep 23 14:44:55 router-back ovpn-server[25044]: bjasko/77.239.26.5:2050 MULTI: internal route 192.168.1.0/24 -> bjasko/77.239.26.5:2050
Sep 23 14:44:55 router-back ovpn-server[25044]: bjasko/77.239.26.5:2050 MULTI: Learn: 192.168.1.0/24 -> bjasko/77.239.26.5:2050
```

```
root@router-back:/etc/openvpn/clients# route add -net 192.168.1.0 netmask 255.255.255.0 gw 10.8.0.2 dev tun0
root@router-back:/etc/openvpn/clients# ping 192.168.1.1
```

```
PING 192.168.1.1 (192.168.1.1) 56(84) bytes of data.
64 bytes from 192.168.1.1: icmp_seq=2 ttl=64 time=38.3 ms
64 bytes from 192.168.1.1: icmp_seq=3 ttl=64 time=35.9 ms
```

```
--- 192.168.1.1 ping statistics ---
3 packets transmitted, 2 received, 33% packet loss, time 2004ms
rtt min/avg/max/mdev = 35.931/37.136/38.342/1.220 ms
```

```
root@router-back:/etc/openvpn/clients# ping 192.168.1.116
```

```
PING 192.168.1.116 (192.168.1.116) 56(84) bytes of data.
64 bytes from 192.168.1.116: icmp_seq=1 ttl=127 time=81.8 ms
64 bytes from 192.168.1.116: icmp_seq=2 ttl=127 time=37.4 ms
```

#10 - 23.09.2009 14:51 - Jasmin Beganović

ostaje vidjeti kako na tomato-u automatizovati custom rutu prema bring.out

#11 - 23.09.2009 15:01 - Jasmin Beganović

Jasmin Beganović je napisao/la:

ostaje vidjeti kako na tomato-u automatizovati custom rutu prema bring.out

rješio sam tako što sam u admin script (WAN UP) stavio

<http://192.168.1.1/admin-scripts.asp>

WAN UP

```
sleep 20
/sbin/route add -net 192.168.45.0 netmask 255.255.255.0 gw 10.8.0.1
```

20 sec je dovoljno da se tunel digne nakon podizanja wan-a

#12 - 24.09.2009 08:20 - Jasmin Beganović

- Status promijenjeno iz Novo u Zatvoreno

- % završeno promijenjeno iz 0 u 100

to je provjerio jutros tunel fercera

Fajlovi

tomatovpn-1.25vpn3.3.7z	2,98 MB	23.09.2009	Jasmin Beganović
openvpn-client-basic.png	11,7 KB	23.09.2009	Jasmin Beganović
openvpn-client-advanced.png	10,8 KB	23.09.2009	Jasmin Beganović
openvpn-client-keys.png	53,7 KB	23.09.2009	Jasmin Beganović