

## strongSwan - Issue #3654

### The L2tp/ipsec tunnel interface will not be delete when the connect abnormal interrupt.

08.12.2020 12:07 - ray chao

<b>Status:</b> Feedback	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b>	
<b>Affected version:</b> 5.9.1	<b>Resolution:</b>

#### Description

When first establish L2tp/ipsec tunnel success,the interface and route rule is only one element,

```
# route -n
Kernel IP routing table
Destination      Gateway          Genmask          Flags Metric Ref    Use Iface
10.10.10.0       0.0.0.0         255.255.255.0   U        0      0      0 WAN
*192.168.100.2   0.0.0.0         255.255.255.255 UH       0      0      0 ppp0*

# ifconfig
WAN: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.10.10.10 netmask 255.255.255.0 broadcast 10.10.10.255
    ether 00:01:02:03:04:09 txqueuelen 1000 (Ethernet)
    RX packets 34451 bytes 4036396 (3.8 MiB)
    RX errors 0 dropped 6174 overruns 0 frame 0
    TX packets 10232 bytes 4600446 (4.3 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth0: flags=4419<UP,BROADCAST,RUNNING,PROMISC,MULTICAST> mtu 1500
    ether 00:01:02:03:04:05 txqueuelen 2048 (Ethernet)
    RX packets 35382 bytes 4741305 (4.5 MiB)
    RX errors 0 dropped 19 overruns 0 frame 0
    TX packets 12944 bytes 4867751 (4.6 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    loop txqueuelen 1000 (Local Loopback)
    RX packets 328430 bytes 26675993 (25.4 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 328430 bytes 26675993 (25.4 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

*ppp0: flags=4305<UP,POINTOPOINT,RUNNING,NOARP,MULTICAST> mtu 1400
    inet 192.168.100.254 netmask 255.255.255.255 destination 192.168.100.2
    ppp txqueuelen 3 (Point-to-Point Protocol)
    RX packets 154 bytes 16930 (16.5 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 7 bytes 496 (496.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0*
```

Then unplug the physical cable and wait about 2 minutes,the interface and route rule still exist,and reconnect l2tp/ipsec tunnel again,it wasn't delete old interface and rule ,but create the same one again,

```
# ifconfig
WAN: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.10.10.10 netmask 255.255.255.0 broadcast 10.10.10.255
    ether 00:01:02:03:04:09 txqueuelen 1000 (Ethernet)
    RX packets 34614 bytes 4054855 (3.8 MiB)
    RX errors 0 dropped 6205 overruns 0 frame 0
    TX packets 10252 bytes 4603130 (4.3 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```

eth0: flags=4419<UP,BROADCAST,RUNNING,PROMISC,MULTICAST> mtu 1500
    ether 00:01:02:03:04:05 txqueuelen 2048 (Ethernet)
    RX packets 35550 bytes 4763020 (4.5 MiB)
    RX errors 0 dropped 19 overruns 0 frame 0
    TX packets 12964 bytes 4870515 (4.6 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    loop txqueuelen 1000 (Local Loopback)
    RX packets 328811 bytes 26707609 (25.4 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 328811 bytes 26707609 (25.4 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

*ppp0: flags=4305<UP,POINTOPOINT,RUNNING,NOARP,MULTICAST> mtu 1400
    inet 192.168.100.254 netmask 255.255.255.255 destination 192.168.100.2
    ppp txqueuelen 3 (Point-to-Point Protocol)
    RX packets 154 bytes 16930 (16.5 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 9 bytes 846 (846.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ppp1: flags=4305<UP,POINTOPOINT,RUNNING,NOARP,MULTICAST> mtu 1400
    inet 192.168.100.254 netmask 255.255.255.255 destination 192.168.100.2
    ppp txqueuelen 3 (Point-to-Point Protocol)
    RX packets 34 bytes 4304 (4.2 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 4 bytes 58 (58.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0*

```

```
# route -n
```

```
Kernel IP routing table
```

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.10.10.0	0.0.0.0	255.255.255.0	U	0	0	0	WAN
*192.168.100.2	0.0.0.0	255.255.255.255	UH	0	0	0	ppp0
192.168.100.2	0.0.0.0	255.255.255.255	UH	0	0	0	ppp1*

This will cause the packet to follow the first rule and will cause send out any packet fail.

Maybe the tunnel default keepalive not work?

Or i need to set any relative option?

By the way,openswan will be automatically cleared interface and route rule after about 18 seconds of unplug the physical cable.

## History

### #1 - 08.12.2020 12:11 - Tobias Brunner

- Status changed from New to Feedback

strongSwan has nothing to do with any L2TP interfaces or the daemon that created them. And please don't use route or ifconfig, use the ip command instead.

### #2 - 08.12.2020 12:24 - ray chao

I thought it was related to ipsec keepalive time,so the interface and route rule is l2tp to create and not to detect alive.

## Files

File Name	Size	Date	Author
1.JPG	106 KB	08.12.2020	ray chao
2.JPG	132 KB	08.12.2020	ray chao