

## strongSwan - Issue #2414

### Charon sometimes doesn't react to stroke command

28.08.2017 11:14 - Jiri Zendulka

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	libstrongswan	
<b>Affected version:</b>	5.5.3	<b>Resolution:</b> Duplicate
<b>Description</b>		
<p>We are running IPsec on router with 2 Mobile WAN interfaces. Sometimes during switching default interface (lost mobile connection on one of interfaces) charon freezes and doesn't react to stroke cmd.</p> <p>To demonstrate this state I cleaned all connections from ipsec.conf and I run stroke rereadall. But stroke statusall still contains old connections:</p> <pre>\$ cat /etc/ipsec.d/ipsec.conf config setup charondebug=dmn 1, mgr 1, ike 1, chd 1, job 1, cfg 1, knl 1, net 1, asn 1, enc 1, lib 1, esp 1, t ls 1, tnc 1, imc 1, imv 1, pts 1  \$ /usr/libexec/ipsec/stroke rereadall</pre> <p>IPsec status still contains old IP address which is not available anymore.</p> <pre>\$ /usr/libexec/ipsec/stroke statusall Status of IKE charon daemon (weakSwan 5.5.3, Linux 3.12.10+, armv7l): uptime: 10 days, since Aug 17 15:41:06 2017 malloc: sbrk 532480, mmap 0, used 149456, free 383024 worker threads: 11 of 16 idle, 5/0/0/0 working, job queue: 0/0/0/0, scheduled: 0 loaded plugins: charon nonce pem openssl kernel-netlink socket-default stroke updown Listening IP addresses: 172.25.255.241 10.85.0.128 Connections: ipsec1: 10.85.0.45...172.27.0.65 IKEv2, dpddelay=10s ipsec1: local: [O=checkpoint-mgmt1..x2r4of, OU=users, CN=6600148] uses public key authentication ipsec1: cert: "O=checkpoint-mgmt1..x2r4of, OU=users, CN=6600148" ipsec1: remote: [172.27.0.65] uses public key authentication ipsec1: cert: "O=checkpoint-mgmt1..x2r4of, CN=espoo-fw-cluster VPN Certificate" ipsec1: child: 172.25.255.240/28 === 132.171.38.0/26 172.27.0.0/27 TUNNEL, dpdaction=restart ipsec2: 10.85.0.45...172.27.0.129 IKEv2, dpddelay=10s ipsec2: local: [O=checkpoint-mgmt1..x2r4of, OU=users, CN=6600148] uses public key authentication ipsec2: cert: "O=checkpoint-mgmt1..x2r4of, OU=users, CN=6600148" ipsec2: remote: [172.27.0.129] uses public key authentication ipsec2: cert: "O=checkpoint-mgmt1..x2r4of, CN=lohja-fw-cluster VPN Certificate" ipsec2: child: 172.25.255.240/28 === 132.171.38.192/26 172.27.0.0/27 TUNNEL, dpdaction=restart Security Associations (0 up, 0 connecting): none</pre> <p>Only "kill charon" helps in this state.</p>		
<b>Related issues:</b>		
Related to Bug #1453: Starter is getting stuck handling ipsec reload		Closed

### History

**#1 - 28.08.2017 12:09 - Tobias Brunner**

- Status changed from New to Feedback

We are running IPsec on router with 2 Mobile WAN interfaces. Sometimes during switching default interface (lost mobile connection on one of interfaces) charon freezes and doesn't react to stroke cmd.

If that happens try attaching GDB to charon and get backtraces for all the threads (thread apply all bt).

To demonstrate this state I cleaned all connections from ipsec.conf and I run stroke rereadall. But stroke status still contains old connections:

Why would you expect anything else? ipsec.conf is read by starter, not stroke. And [ipsecCommand](#) rereadall only reads credentials again.

And how is that related to the above?

IPsec status still contains old IP address which is not available anymore.

You mean in the Listening IP addresses section? These are retrieved via kernel interface and updated when the kernel sends events regarding interfaces and addresses. Check the log for details.

**#2 - 28.08.2017 13:23 - Jiri Zendulka**

Tobias Brunner wrote:

IPsec status still contains old IP address which is not available anymore.

You mean in the Listening IP addresses section? These are retrieved via kernel interface and updated when the kernel sends events regarding interfaces and addresses. Check the log for details.

Yes, I mean listening addresses and connections. Listening addresses are updated. But in connections section the old IP 10.85.0.45 still persists...there is no update. Normally source IP address is always present in listening addresses section.

**#3 - 28.08.2017 13:37 - Jiri Zendulka**

Jiri Zendulka wrote:

Tobias Brunner wrote:

IPsec status still contains old IP address which is not available anymore.

You mean in the Listening IP addresses section? These are retrieved via kernel interface and updated when the kernel sends events regarding interfaces and addresses. Check the log for details.

Yes, I mean listening addresses and connections. Listening addresses are updated. But in connections section the old IP 10.85.0.45 still persists...there is no update. Normally source IP address is always present in listening addresses section.

...in case that in ipsec.conf is no conn section present then I expect no entry in section Connections after stroke rereadall. But it does not. Or does work stroke rereadall in different way?

**#4 - 07.09.2017 10:14 - Jiri Zendulka**

It is the same issue like [#1453](#). So far not fixed in official release.

**#5 - 07.09.2017 10:20 - Tobias Brunner**

- Is duplicate of Bug #1453: Starter is getting stuck handling ipsec reload added

**#6 - 07.09.2017 10:21 - Tobias Brunner**

- Is duplicate of deleted (Bug #1453: Starter is getting stuck handling ipsec reload )

**#7 - 07.09.2017 10:21 - Tobias Brunner**

- Related to Bug #1453: Starter is getting stuck handling ipsec reload added

**#8 - 07.09.2017 12:40 - Jiri Zendulka**

Jiri Zendulka wrote:

It is the same issue like [#1453](#). So far not fixed in official release.

Fix <https://git.strongswan.org/?p=strongswan.git;a=commit;h=6572d3d5ad9b317bca23d9e1ce1d5003ee239bbf> works fine. You can close the issue. Many thanks.

**#9 - 07.09.2017 12:59 - Tobias Brunner**

- *Category set to libstrongswan*
- *Status changed from Feedback to Closed*
- *Resolution set to Duplicate*