

## strongSwan - Issue #2395

### IKEv1 does not try to re-install IPsec SA when is 2nd phase deleted on remote device

02.08.2017 11:27 - Jiri Zendulka

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Tobias Brunner	
<b>Category:</b>	configuration	
<b>Affected version:</b>	5.5.3	<b>Resolution:</b> No change required
<b>Description</b>		
Strongswan is used as initiator. Responder is an Fortigate VPN device.		
The ipsec IKEv1 connection is succesfully installed. Then IPsec SA is manually deleted on responder side. IKE is still established on both sides.		
In this situation strongswan does not try re-install SA again automatically. It is need to manually restart the tunnel (IKE) to install tunnel again.		
IKEv2 does not have this issue (tunnel is re-installed automatically).		
Compatibilty notice: Openswan automatically re-install IPsec SA in this situation.		

#### History

##### #1 - 02.08.2017 12:08 - Tobias Brunner

- Status changed from New to Feedback

The ipsec IKEv1 connection is succesfully installed. Then IPsec SA is manually deleted on responder side. IKE is still established on both sides.

Deleted how? Is a DELETE sent?

In this situation strongswan does not try re-install SA again automatically. It is need to manually restart the tunnel (IKE) to install tunnel again. IKEv2 does not have this issue (tunnel is re-installed automatically).

Why should it be installed again? What's logged? Do you use *auto=route?* *closeaction?*

##### #2 - 02.08.2017 12:25 - Jiri Zendulka

Tobias Brunner wrote:

The ipsec IKEv1 connection is succesfully installed. Then IPsec SA is manually deleted on responder side. IKE is still established on both sides.

Deleted how? Is a DELETE sent?

Yes. It is.

```
2017-07-14 08:54:26 charon: 06[IKE] received DELETE for ESP CHILD_SA with SPI 2b28a94e
2017-07-14 08:54:26 charon: 06[IKE] closing CHILD_SA ipsec1{2} with SPIs c0fa0980_i (1980 bytes) 2b28a94e_o (1
980 bytes) and TS 10.114.100.240/29 === 10.114.94.0/24
```

In this situation strongswan does not try re-install SA again automatically. It is need to manually restart the tunnel (IKE) to install tunnel again. IKEv2 does not have this issue (tunnel is re-installed automatically).

Why should it be installed again? What's logged? Do you use *auto=route?* *closeaction?*

I use:

auto=start  
closeaction is not defined in config file. So I guess that default value "none" is used.

Shall I set closeaction=restart?

**#3 - 02.08.2017 14:41 - Tobias Brunner**

Shall I set closeaction=restart?

You could try, but I'd use *auto=route*.

**#4 - 04.08.2017 14:41 - Jiri Zendulka**

Thanks, it works. You can close the issue.

**#5 - 04.08.2017 14:45 - Tobias Brunner**

- *Category set to configuration*
- *Status changed from Feedback to Closed*
- *Assignee set to Tobias Brunner*
- *Resolution set to No change required*