

strongSwan - Issue #3473

Disconnecting clients - Windows 10 error 829

05.06.2020 14:02 - Wojciech Mańka

Status:	Closed	
Priority:	Normal	
Assignee:	Tobias Brunner	
Category:	configuration	
Affected version:	5.8.2	
		Resolution: No feedback
Description		
<p>Hello, for some time I have a problem unbuttoning clients who use Windows 10. Error 829 appears in the Windows log while server side strongswan. I wonder if this is not a problem of PFS functionality ?? Can I have any suggestions or get additional information about something?</p>		

History

#1 - 05.06.2020 14:45 - Tobias Brunner

- Category set to configuration

- Status changed from New to Feedback

Hello, for some time I have a problem unbuttoning clients who use Windows 10.

What does "unbuttoning clients" mean?

Error 829 appears in the Windows log while server side strongswan.

"while server side strongswan" what?

I wonder if this is not a problem of PFS functionality ??

Possible, Windows clients do have issues with rekeying (see e.g. [#3400](#)).

#2 - 08.06.2020 16:32 - Wojciech Mańka

I had a problem with disconnecting users

Around the moment you disconnect the client in the server logs can be seen:

```
Jun  8 15:26:43 vpn-kat1 charon: 32[IKE] CLIENT_IP is initiating an IKE_SA
Jun  8 15:26:43 vpn-kat1 charon: 32[IKE] IKE_SA VPN_FULLL_IKEV2[2165] state change: CREATED => CONNECTING
Jun  8 15:26:43 vpn-kat1 charon: 32[CFG] selected proposal: IKE:AES_CBC_256/HMAC_SHA1_96/PRF_HMAC_SHA1/MODP_1024
Jun  8 15:26:43 vpn-kat1 charon: 32[IKE] IKE_SA VPN_FULLL_IKEV2[2165] state change: CONNECTING => ESTABLISHED
Jun  8 15:26:43 vpn-kat1 charon: 32[IKE] IKE_SA VPN_FULLL_IKEV2[2165] rekeyed between SERVER_IP[domain]...CLIENT_IP[C=PL, O=..., CN=...]
Jun  8 15:26:43 vpn-kat1 charon: 32[IKE] IKE_SA VPN_FULLL_IKEV2[2001] state change: ESTABLISHED => REKEYED - I'm not sure if this line applies to this connection
...
Jun  8 15:30:36 vpn-kat1 charon: 22[IKE] giving up after 5 retransmits
Jun  8 15:30:36 vpn-kat1 charon: 22[CFG] installing trap failed, remote address unknown
Jun  8 15:30:36 vpn-kat1 charon: 22[IKE] IKE_SA VPN_FULLL_IKEV2[2165] state change: ESTABLISHED => DESTROYING
Jun  8 15:30:36 vpn-kat1 charon: 22[CFG] lease PRIVATE_CLIENT_IP by 'C=PL, O=..., CN=...' went offline
```

#3 - 08.06.2020 16:42 - Tobias Brunner

I had a problem with disconnecting users

Around the moment you disconnect the client in the server logs can be seen:

That makes no sense. Why would there be a rekeying when you disconnect the client (also do you mean disconnect from the server, or from the GUI on the client)? But as you mentioned, perhaps these lines are unrelated.

```
Jun  8 15:30:36 vpn-kat1 charon: 22[IKE] giving up after 5 retransmits
Jun  8 15:30:36 vpn-kat1 charon: 22[CFG] installing trap failed, remote address unknown
Jun  8 15:30:36 vpn-kat1 charon: 22[IKE] IKE_SA VPN_FULL_IKEV2[2165] state change: ESTABLISHED => DESTROYING
Jun  8 15:30:36 vpn-kat1 charon: 22[CFG] lease PRIVATE_CLIENT_IP by 'C=PL, O=..., CN=...' went offline
```

This could be after a DPD, rekeying or a delete from the server (read the log before these messages). Note that configuring `dpdaction=hold` (second log message above) makes no sense on a server for mobile clients, so only use `clear`. If the client does not react to such exchanges, while it is still reachable, maybe disable them (e.g. `rekey=no`). If clients are mobile you may also want to reconsider the DPD interval because if the server clears out a state while the client is temporarily not reachable it might not notice that later.

#4 - 08.06.2020 17:02 - Wojciech Mańka

My configuration looks like this:

```
ikelifetime=2h
    lifetime=24h
    rekeymargin=10m
    keyingtries=5
    keyexchange=ikev2
    ike=aes128-sha1-modp2048,3des-sha1-modp2048,aes128-sha1-modp1024,aes128-sha1-modp1536,aes128-sha1-modp2048,aes128-sha256-ecp256,aes128-sha256-modp1024,aes128-sha256-modp1536,aes128-sha256-modp2048,aes256-aes128-sha256-sha1-modp2048-modp4096-modp1024,aes256-sha1-modp1024,aes256-sha256-modp1024,aes256-sha256-modp1536,aes256-sha256-modp2048,aes256-sha256-modp4096,aes256-sha384-ecp384,aes256-sha384-modp1024,aes256-sha384-modp1536,aes256-sha384-modp2048,aes256-sha384-modp4096,aes256gcm16-aes256gcm12-aes128gcm16-aes128gcm12-sha256-sha1-modp2048-modp4096-modp1024,3des-sha1-modp1024!
    esp=aes128-aes256-sha1-sha256-modp2048-modp4096-modp1024,aes128-sha1,aes128-sha1-modp1024,aes128-sha1-modp1536,aes128-sha1-modp2048,aes128-sha256,aes128-sha256-ecp256,aes128-sha256-modp1024,aes128-sha256-modp1536,aes128-sha256-modp2048,aes128gcm12-aes128gcm16-aes256gcm12-aes256gcm16-modp2048-modp4096-modp1024,aes128gcm16,aes128gcm16-ecp256,aes256-sha1,aes256-sha256,aes256-sha256-modp1024,aes256-sha256-modp1536,aes256-sha256-modp2048,aes256-sha256-modp4096,aes256-sha384,aes256-sha384-ecp384,aes256-sha384-modp1024,aes256-sha384-modp1536,aes256-sha384-modp2048,aes256-sha384-modp4096,aes256gcm16,aes256gcm16-ecp384,3des-sha1!
    dpdaction=hold
    dpddelay=10s
    rekey=no
    fragmentation=yes
    leftauth=pubkey
    rightauth=pubkey
    leftsendcert=always
    rightsendcert=always
    rightdns=DNS1,DNS2
    auto=add
    mobike=yes
```

I already know to change `dpdaction` - are you suggesting anything else?

#5 - 08.06.2020 17:32 - Tobias Brunner

are you suggesting anything else?

If you configure `rekey=no`, the settings `ikelifetime`, `lifetime` and `rekeymargin` obviously have no effect. The proposals definitely look weird and redundant. You might want to simplify them a bit and only configure what you actually need. Similar to `dpdaction=hold`, `keyingtries` is useless with `right=%any`. `dpddelay=10s` is very short, it's usually better to increase that and use DPDs just to weed out abandoned states, which allows clients to be without connectivity for a while (with short DPD interval it depends on the [retransmission](#) settings for how long exactly).

#6 - 08.06.2020 19:31 - Wojciech Mańka

Wojciech Mańka wrote:

I left the configuration in this state after your suggestions:

```
keyexchange=ikev2
ike=aes128-sha1-modp2048,3des-sha1-modp2048,aes128-sha1-modp1024,aes128-sha1-modp1536,aes128-sha1-modp2048,aes128-sha256-ecp256,aes128-sha256-modp1024,aes128-sha256-modp1536,aes128-sha256-modp2048,aes256-aes128-sha256-sha1-modp2048-modp4096-modp1024,aes256-sha1-modp1024,aes256-sha256-modp1024,aes256-sha256-modp1536,aes256-sha256-modp2048,aes256-sha256-modp4096,aes256-sha384-ecp384,aes256-sha384-modp1024,aes256-sha384-modp1536,aes256-sha384-modp2048,aes256-sha384-modp4096,aes25
```


#11 - 17.06.2020 15:58 - Wojciech Mańka

Hello, what logs would I have to send?

#12 - 17.06.2020 16:03 - Tobias Brunner

Hello, what logs would I have to send?

Complete server logs, from start until the error occurs. See [HelpRequests](#).

#13 - 30.09.2020 13:56 - Tobias Brunner

- *Status changed from Feedback to Closed*

- *Assignee set to Tobias Brunner*

- *Resolution set to No feedback*