

## strongSwan - Bug #3273

### Can't fetch CRL via HTTP on Android 9

18.11.2019 17:57 - Tomas Beran

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Tobias Brunner	<b>Estimated time:</b>	0.00 hour
<b>Category:</b>	android	<b>Resolution:</b>	Fixed
<b>Target version:</b>	5.8.2		
<b>Affected version:</b>	5.8.1		

**Description**

It seems that from the last update, strongSwan for Android does not fetch CRL anymore. It worked fine before.

IKEv2 EAP (Username/Password) vpn type.

Options:  
Use OCSP to check certificate: **disabled**  
Use CRLs to check certificate: **enabled**  
Use strict revocation checking: **enabled**

In log I see:  
...  
[CFG] fetching crl from 'http://www.example.com/xxxx/xxxxx/crl.txt' ...  
[LIB] failed to fetch from 'http://www.example.com/xxxx/xxxxx/crl.txt'  
[CFG] crl fetching failed  
[CFG] certificate status is not available  
...  
When  
Use strict revocation checking: **disabled**  
  
then connection works fine.

System:  
strongSwan 5.8.1, Android 9 - 00WW\_6\_19B/2019-10-01  
Nokia 5/TA-1053

#### Associated revisions

##### Revision 47c1e86a - 19.11.2019 14:44 - Tobias Brunner

android: Add networkSecurityConfig to fetch CLRs/OCSP via HTTP

Android 9 restricts this to only HTTPS by default.

Fixes #3273.

#### History

##### #1 - 19.11.2019 14:57 - Tobias Brunner

- Tracker changed from Issue to Bug
- Subject changed from Can't fetch CRL to Can't fetch CRL via HTTP on Android 9
- Category set to android
- Status changed from New to Feedback
- Assignee set to Tobias Brunner
- Target version set to 5.8.2

It seems that from the last update, strongSwan for Android does not fetch CRL anymore.

Thanks for the report. Looks like this is due to a [new restriction on Android 9](#) when using HttpURLConnection to connect via HTTP (as opposed to HTTPS). I've released a fixed version to the Play store.

**#2 - 19.11.2019 17:04 - Tomas Beran**

Thanks Tobias.

Installed new version from Play store and it works fine.

**#3 - 19.11.2019 19:03 - Tobias Brunner**

- *Status changed from Feedback to Closed*

- *Resolution set to Fixed*