

strongSwan - Bug #3273

Can't fetch CRL via HTTP on Android 9

18.11.2019 17:57 - Tomas Beran

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Tobias Brunner	Estimated time:	0.00 hour
Category:	android	Resolution:	Fixed
Target version:	5.8.2		
Affected version:	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*