strongSwan - Issue #462
strongswan android app can not use on android 4.4 OS
06.12.2013 13:59 - yang sun

<table>
<thead>
<tr>
<th>Status:</th>
<th>Feedback</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Tobias Brunner</td>
</tr>
<tr>
<td>Category:</td>
<td>android</td>
</tr>
<tr>
<td>Affected version:</td>
<td>5.1.1</td>
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Description
when I update to latest android os 4.4
the strongswan android app can not use
but ok for android os 4.3
what's problem?

Related issues:
Related to Issue #695: StrongSwan Android: failed to setup up TUN device with... Closed 01.09.2014
Has duplicate Issue #473: problem with strongswan android app for android 4.4 Rejected 29.12.2013
Has duplicate Issue #613: StrongSwan fails to reconnect after no internet for... Closed 29.12.2013
Has duplicate Issue #668: TUN overlapping in Android 4.4.2 Rejected 29.12.2013

History
#1 - 06.12.2013 17:54 - Tobias Brunner
  - Category set to android
  - Status changed from New to Feedback
  - Assignee set to Tobias Brunner
  - Priority changed from Urgent to Normal

I don't know what your exact problem might be as you provided no logs (from logcat and/or the app). But there are currently several known issues on Android 4.4.

Unfortunately, Google changed several aspects of the VpnService implementation and these changes broke most VPN apps.

You might want to have a look at the open issues on Google's issue tracker: 62714, 61948, 62410, 62872, 61678, 62588.

Apparently, some of these have been fixed with 4.4.1.

#2 - 09.12.2013 09:51 - Tyrael Wang
Maybe , @yang sun meant Stongswan for android App did not support android 4.4 , because the new ART mode would crash the app

#3 - 09.12.2013 09:54 - yang sun
@Tyrael Wang yes. android App did not support android 4.4. do you know how to solve it?

#4 - 09.12.2013 15:38 - Tobias Brunner
Tyrael Wang wrote:

  Maybe , @yang sun meant Stongswan for android App did not support android 4.4 , because the new ART mode would crash the app

ART is experimental and only enabled if the user does so manually in the developer options. Even so, the app actually seems to work fine with ART (I just tried it on a Nexus 5), so that's apparently not an issue.

yang sun wrote:

  @Tyrael Wang yes. android App did not support android 4.4. do you know how to solve it?

You still don't describe what problem your are facing exactly (nor the device you are using or any other useful information).
12-29 09:03:55.517: I/charon(1417): 13[IKE] authentication of 'C=CH, O=strongSwan, CN=98.126.129.243' with EAP successful
12-29 09:03:55.527: I/charon(1417): 13[IKE] scheduling rekeying in 35756s
12-29 09:03:55.527: I/charon(1417): 13[IKE] maximum IKE_SA lifetime 36356s
12-29 09:03:55.587: I/charon(1417): 13[IKE] CHILD_SA android[5] established with SPIs ad792da2_i c1cd74c6_o and TS 10.12.0.5/32 === 0.0.0.0/0
12-29 09:03:55.897: W/System.err(1417): java.lang.IllegalStateException: command '82 interface fwmark rule add tun0' failed with '400 82 Failed to add fwmark rule (No such device)'
12-29 09:03:55.907: W/System.err(1417): at android.os.Parcel.readException(Parcel.java:1469)
12-29 09:03:55.907: W/System.err(1417): at android.os.Parcel.readException(Parcel.java:1415)
12-29 09:03:55.937: W/System.err(1417): at android.net.IConnectivityManager$Stub$Proxy.establishVpn(IConnectivityManager.java:1555)
12-29 09:03:56.007: I/charon(1417): 13[DMN] failed to setup TUN device
12-29 09:03:56.337: I/charon(1417): 00[ENC] generating INFORMATIONAL request 6 [ D ]
12-29 09:03:56.507: I/CharonVpnService(1417): charon stopped

#7 - 06.01.2014 13:07 - Tobias Brunner
Could be either the same or a similar issue as 62410. The message is not exactly the same and it seems to happen during the initial initiation not when the TUN devices are created overlapping (did you do this right after rebooting the device?).

#8 - 10.06.2014 13:45 - Tobias Brunner
- Has duplicate Issue #613: StrongSwan fails to reconnect after no internet for long period of time added

#9 - 04.08.2014 12:54 - Tobias Brunner
- Has duplicate Issue #668: TUN overlapping in Android 4.4.2 added

#10 - 01.09.2014 13:22 - Tobias Brunner
- Related to Issue #695: StrongSwan Android: failed to setup up TUN device without DNS added