

## strongSwan - Feature #892

### Android client and ipv6 gateway

15.03.2015 17:09 - Marc Clemente

<b>Status:</b> Feedback	<b>Start date:</b> 15.03.2015
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>Estimated time:</b> 0.00 hour
<b>Category:</b> android	
<b>Target version:</b>	
<b>Resolution:</b>	
<b>Description</b> I have StrongSwan (1.4.5) set up on my Nexus 5 (lollipop) and on a Linux gateway. Thanks to T-Mobile, the Android has a native ipv6 address. The gateway also has an ipv6 address.  When I enter the ipv6 address of the gateway on the Android app, it complains with: [IKE] unable to resolve 2001:db88::2, initiate aborted  I tried enclosing the address in square brackets: [2001:db88::2], with the same result.  I tried using gateway-ipv6.example.net (which has only a AAAA record), and still no luck.  Is it possible for the Android client to establish a tunnel to an ipv6 endpoint? How?	
<b>Related issues:</b>	
Related to Issue #939: UDP Encapsulation for IPv6 traffic	<b>Feedback</b>
Has duplicate Issue #2182: strongswan android app does not connect to an ipv6...	<b>Rejected</b>
Is duplicate of Feature #2757: Android strongSwan over IPv6	<b>Closed</b> 12.09.2018

### History

#### #1 - 16.03.2015 10:34 - Tobias Brunner

- Tracker changed from Issue to Feature
- Status changed from New to Feedback

Is it possible for the Android client to establish a tunnel to an ipv6 endpoint?

No, currently not. Because the app has to use UDP encapsulation for ESP (we can't send raw ESP packets as unprivileged app) and the Linux kernel currently does not support UDP encapsulation for IPv6, we have disabled IPv6 in the app (for IKE/outer tunnel addresses).

#### #2 - 09.03.2016 16:21 - Tobias Brunner

- Related to Issue #939: UDP Encapsulation for IPv6 traffic added

#### #3 - 08.12.2016 17:29 - Tobias Brunner

- Has duplicate Issue #2182: strongswan android app does not connect to an ipv6-only server added

#### #4 - 12.09.2018 16:43 - Tobias Brunner

- Is duplicate of Feature #2757: Android strongSwan over IPv6 added