Open Source IMS Client - Feature #5483
SIM card interface for strongswan
03/07/2022 11:11 AM - laforge

Status: New
Priority: Normal
Assignee:
Category:
Target version:

Start date: 03/07/2022
Due date:
% Done: 0%

Description
Similar to #5481, we need an interface for performing UMTS-AKA with an external SIM Card.

The patches of #5481 implement the low-level APDUs for authentication and a pcsc-lite client internally. This is convenient, but for the more general use case (accessing SIM cards via phone-specific APIs like QMI or AT+CSIM commands) we need an interface at a higher layer of abstraction.

The interface should ideally be identical to #5481, so that both strongswan and doubango can be ran side-to-side, both accessing the same "USIM/ISIM card provider". That way, the provider must be implemented only once for each given target platform.

History
#1 - 03/07/2022 03:08 PM - laforge
So strongswan has what it calls the fetcher abstraction for fetching something over HTTP, and there are multiple implementations (e.g. based on libsoup). Maybe this is an option for adding an HTTP/REST style interface to perform the AKA via an external "SIM interface provider".

#2 - 03/07/2022 03:19 PM - laforge
if --enable-soup is specified, the libsoup HTTP fetcher is compiled in and libstrongswan is capable of performing http + https POST and GET, with custom HTTP headers and body.