

Symbian TLS 1.2 Support

Patch for Symbian 9.1+ that enables TLS 1.2/1.3 on system level.  
Applies to native and J2ME applications,  
Doesn't apply to Qt and Python.  
Uses MBedTLS version 3.4.1.

Planned things:

- TLS 1.3 support
- UIQ3 support
- Session cache
- CA chains (Certificates)
- TLS 1.3 tickets support

Last update: 30.04.2025

S60v3+ Installation

Open4All patch is required

System patch:

Supports from S60v3.0 (9.1), up to Belle FP2

- 1 (9.1-9.4 only). Install PIPS 1.7.5
2. Install MBedTLS.sis
3. Extract contents of ssl.zip to C: drive root with X-Plore

Java patch:

Supports S60v3.2 (9.3) and later  
Replaces https and ssl connections in Connector.open with MBedTLS implementation

- Installation order on Symbian^3:
1. MBedTLS.sis
  2. JavaHttps.sis
  3. Reinstall any .jar app and reboot device

- Installation order on S60v3/v5 (9.3-9.4):
1. PIPS 1.7.5
  2. Java VM Arg Modifier
  3. MBedTLS.sis
  4. JavaHttps.sis

UIQ3 Installation

Extract mbedtls\_stl.dll and ssl.dll to C:\sys\bin.

Download for S60v3+

MBedTLS library v1.2.1  
Last update: 29.01.2024

System SSL patch v11  
Last update: 29.01.2025

Java SSL patch v1.4.3  
Last update: 19.10.2024

Download for UIQ3

MBedTLS + SSL patch (TLS 1.2 only)  
Last update: 30.04.2025  
by JigokuMaster

There will be no EKA1 (Symbian 8.1-) support!

For developers

Sources  
MBedTLS fork repo  
System patch  
Java patch  
UIQ3

Headers  
GitHub

Libraries  
Dynamic:  
epoc32\armv5\lib\mbedtls.dso  
epoc32\armv5\lib\mbedtls.lib  
Last update: 10.08.2024  
epoc32\armv5\lib\mbedtls\_stl.dso  
epoc32\armv5\lib\mbedtls\_stl.lib  
Last update: 01.05.2025