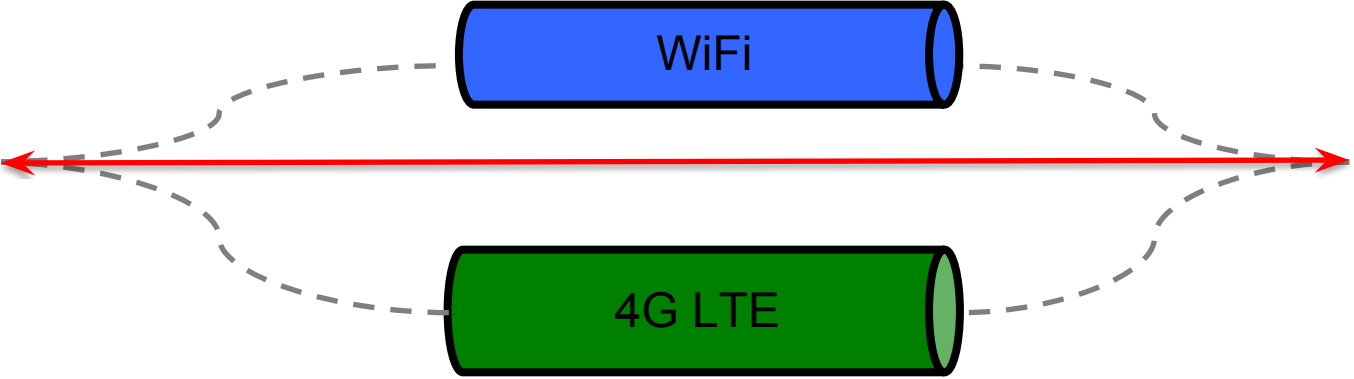


Hacking the MPTCP socket API

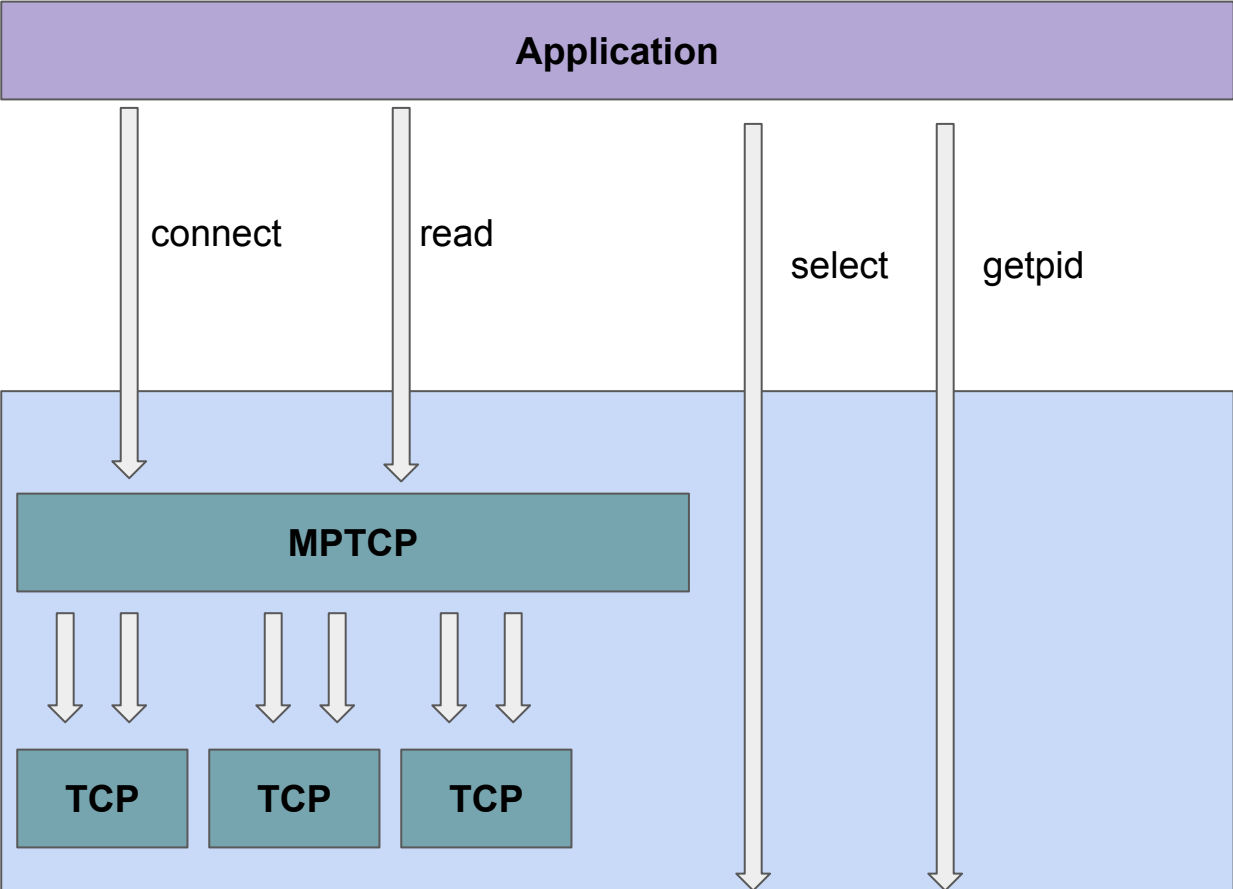
draft-hesmans-mptcp-socket-00



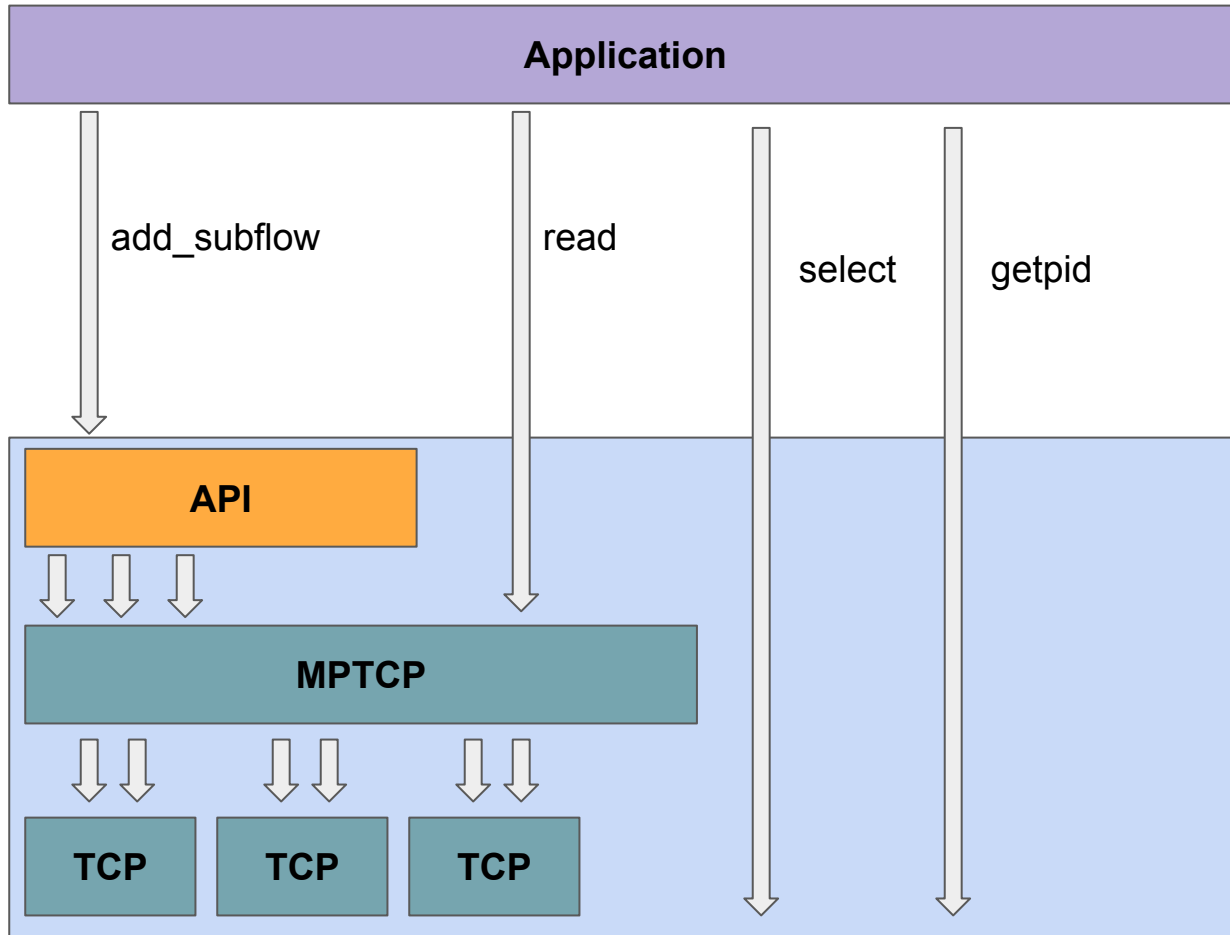
MultiPath TCP



MultiPath TCP



MultiPath TCP API



Concept

Louvain-La-Neuve



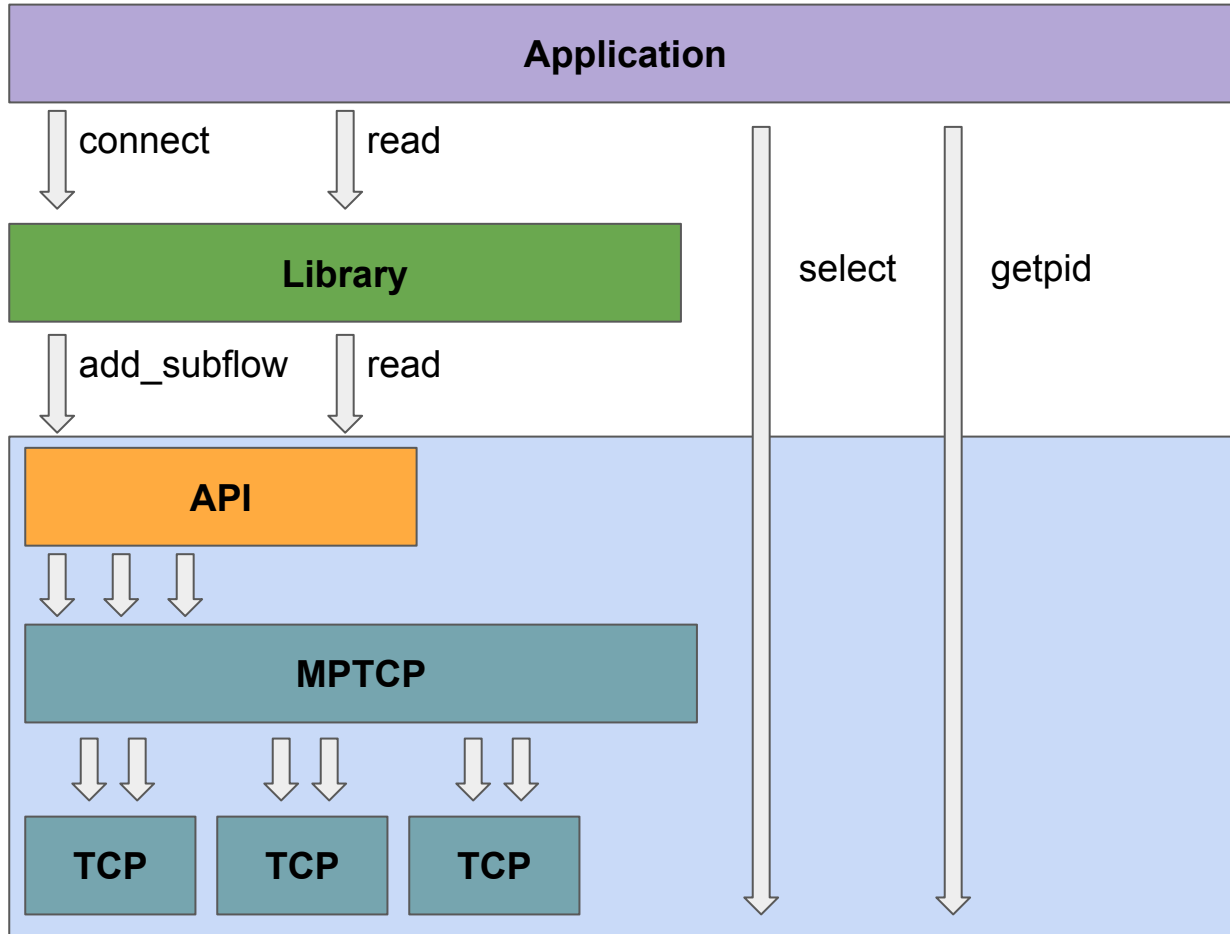
Seoul



Topics

- Integrating the API with iPerf3
- Bindings the API towards
 - C#
 - Java
 - Python
 - Ruby
- Tuning these applications for MPTCP:
 - OpenSSH
 - Curl
 - lighttpd (server initiating the subflows)
- LD_PRELOAD library
- Documentation (manpage)

The LD_PRELOAD Library



Takeaways

- The iPerf extension will allow easier benchmarks
- The socket API is asynchronous
 - => you don't receive any notification/callbacks/error codes
- Inferring new endpoints (for new subflows) is hard