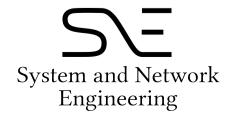
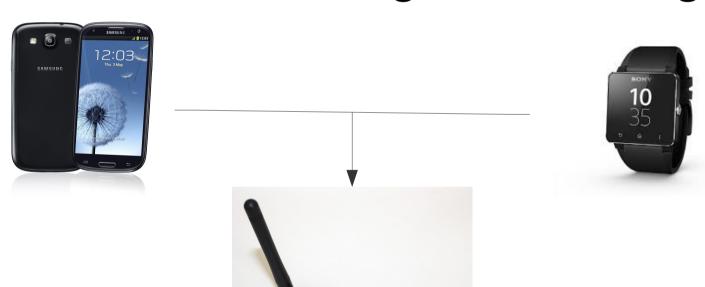
Security of Systems & Networks

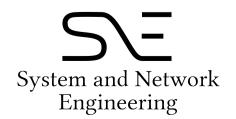
James Gratchoff, Harm Dermois, Florian Ecard





Devices used during the investigation

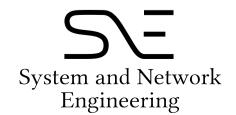






Research question

- How secure is the communication between the smartwatch and the smartphone?
- Is it possible to eavesdrop any data exchanged during this communication?
- Is it possible to change the content of the data exchanged?
- How the vulnerabilities found (if any) could be addressed?

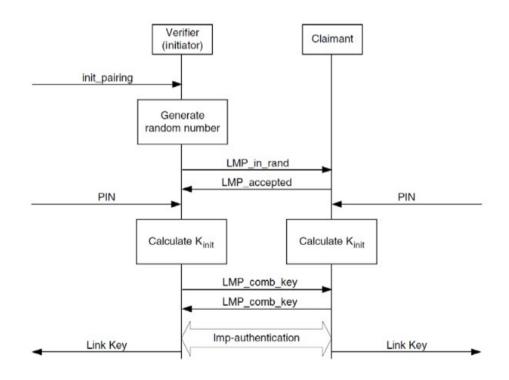


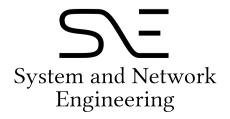


Bluetooth security and pairing process

LMP

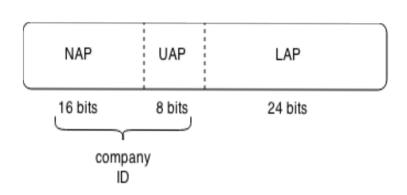
SSP & MiTM protection

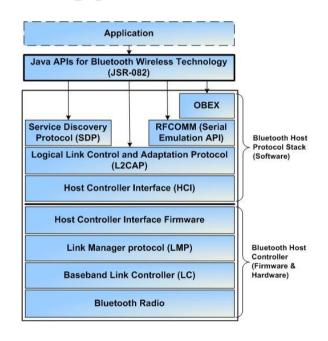


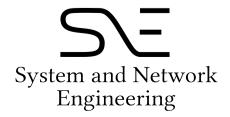




Methodology



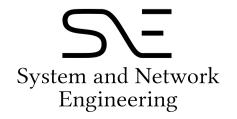






Results

Explanation of what we can see or not.





Conclusion

Answer to research questions. Further work.

