

Security Group

Why do we have all these security problems?

- Lazy implementers - quality of work is low.
- Ecosystem not designed for security
- Users do not install updates
- Complex supply chain
- More library implementations lead to fewer high-quality implementations
- Developers implement based on examples – Should we remove examples from the specs?
- Ranking of solutions in Stackoverflow
- Easier to use available code but those often have insecure defaults
- Debugging is easier with insecure protocols
- Too many IoT security guidelines, which nobody reads

Attempt to approach answer systematically

For what problems is the solution known?

- Memory safety problems (buffer overflows)

Where is no solution known (or nobody knows how to solve it)?

- How to deal with insecure libraries?
- Ideas:
 - automated testing to highlight differences
 - More liability for developers “implementation police”