

Wireless Authentication for the Web Services



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Authentication

- Existing solutions:
 - Insecure
 - Non-convenient
- Alternatives:
 - Graphical password
 - Biometric identification
 - **Wireless authentication**



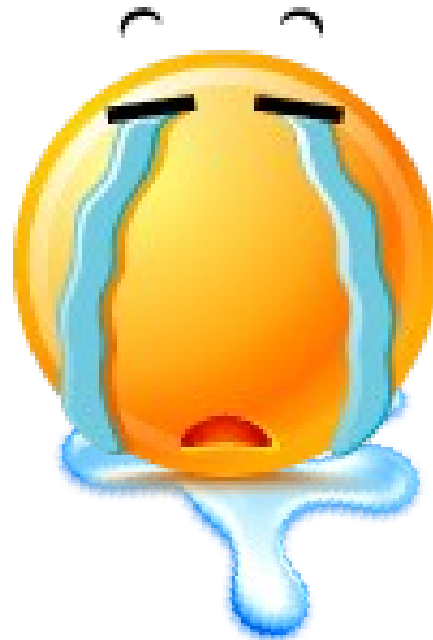
Wireless Authentication

- User do not to enter any critical information on the computer...
- ... and only present a physical proof of his privileges



Existing Software Problem

✘ Data being sent as a plain text



Our Proposal

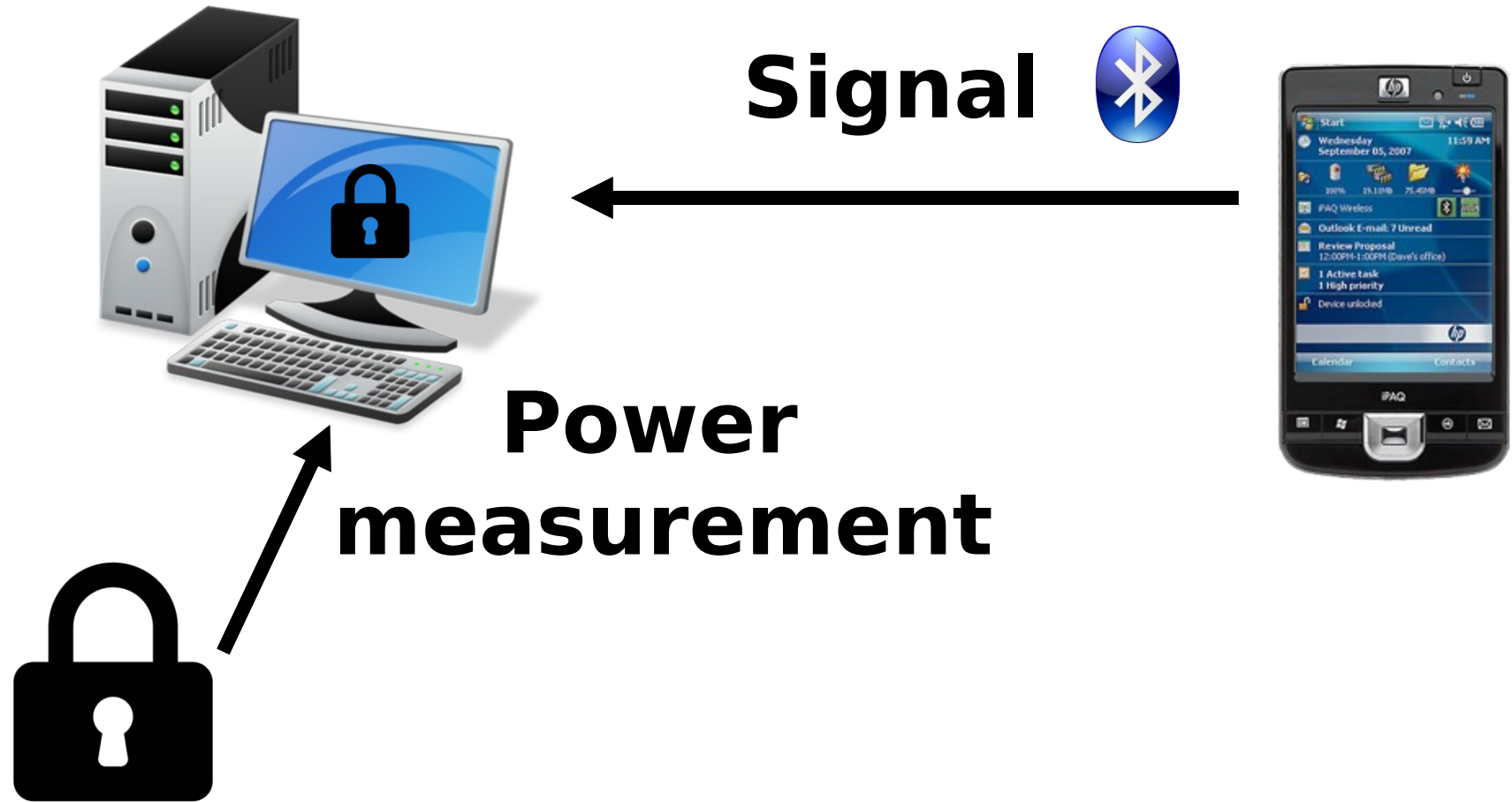
- Authentication algorithm for wireless keys
 - Non-interactive
 - Secure and reliable
 - Energy-efficient



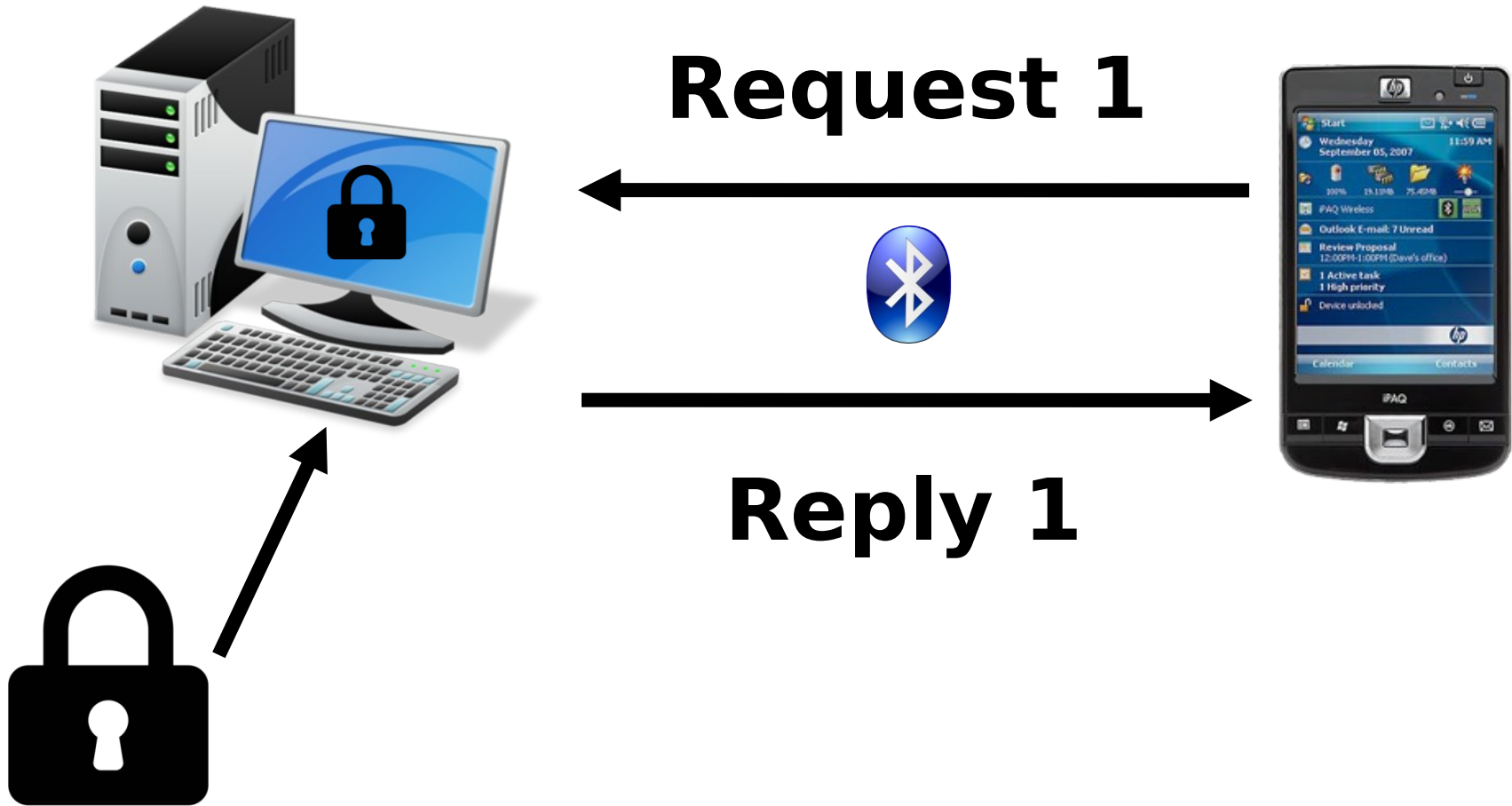
3 steps algorithm



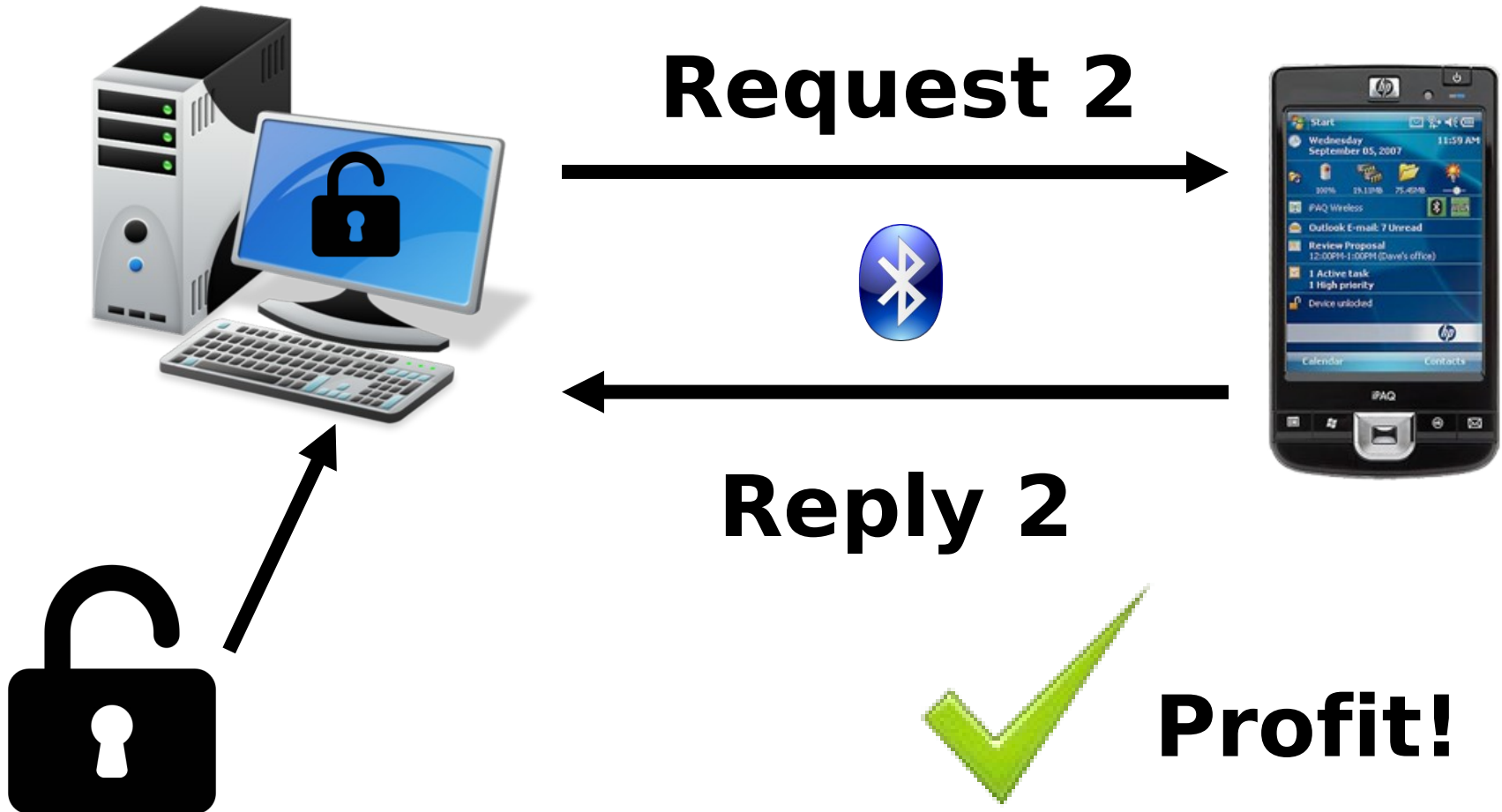
Step 1. Get the distance



Step 2. Authenticate Computer



Step 3. Authenticate key



Future Plans

- Apply for:
 - Computer / OS Lock
 - FRUCT Social Network
 - Other Social Networks
 - ...

