

User-Centric Risk Communication and Control on Mobile Devices

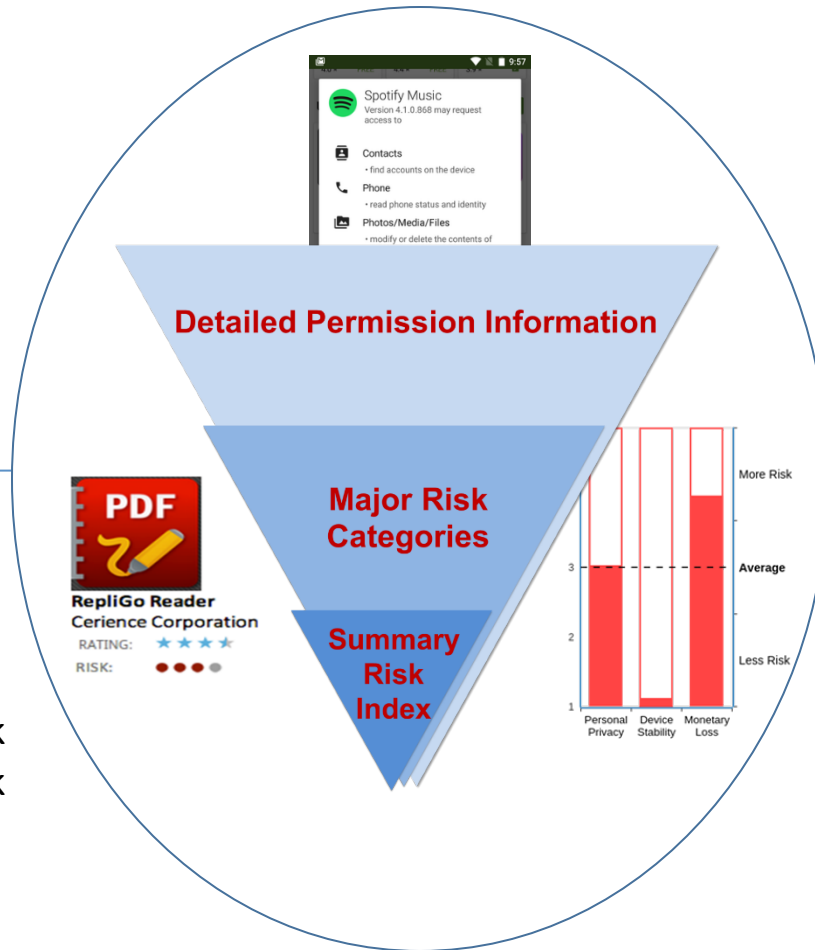


Challenge:

- Getting users to consider risk more when choosing between alternative apps
- Ensuring that users understand the involved risks

Solution:

- Risk metrics at multiple levels of granularity
- Displays of summary risk index and of 3 major risk categories



Scientific Impact:

- Influence users to make less risky app installation decisions
- Summarize permissions in forms that can be comprehended easily

Broader Impact:

- Protect privacy of users
- Implementation in Google Play and other App Stores
- Show value of user studies to cybersecurity
- Educate students in interdisciplinary research

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