Usable Security
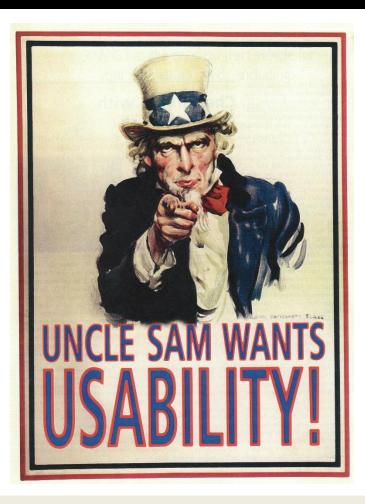
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NIST Visualization & Usability Group

We Are Usability Researchers

Usability is the extent to which a product can be used by specified users to achieve specified goals with efficiency, effectiveness, and satisfaction in a specified context of use.
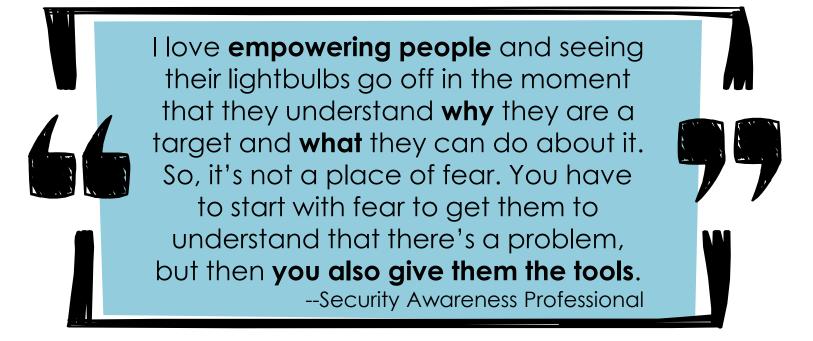
Usable Security and Privacy

- Our goal is to provide guidance for policymakers, system engineers and security professionals so that they can make better decisions that enhance the usability of cybersecurity in their organizations.

- Our approach is to:

  1. Provide a basis in real empirical data,

  2. Create solutions that are secure in practice, not just in theory, and

  3. Take user needs and behavior into account.

Encouraging Security Adoption

Self-efficacy: an individual's belief in his/her ability to accomplish a task or exert control in specific situations

> I love **empowering people** and seeing their lightbulbs go off in the moment that they understand **why** they are a target and **what** they can do about it. So, it's not a place of fear. You have to start with fear to get them to understand that there's a problem, but then **you also give them the tools**.
> --Security Awareness Professional

Moving Forward

NIST

Thank You

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https://csrc.nist.gov/Projects/Usable-Cybersecurity