Conducting Studies with Experts

Supervisors: Alena Naiakshina
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About us ...

- Our research field:

Usable Security and Privacy for Developers & Administrators
Topic 1: Browsing history analysis

- Conducted a developer study about secure password storage

- Collected data
  - Google search terms + time
  - Websites + time

- **Your task:** Categorise (API, Security, Java...) the browser history
  - Which category was visited most?
  - Time analysis - pattern visible?
  - How? ... Script? Own ideas?

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<thead>
<tr>
<th>Participant</th>
<th>URL</th>
<th>Search term</th>
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Topic 2: Eclipse Plugin Password Storage

- Implement eclipse plugin, which helps developers to implement secure password storage

- Developer should be warned

- Build quick fix to help
Topic 3: Eclipse Plugin Other Security Fallpits

- Implement eclipse plugin, which helps developers to avoid security fallpits e.g. Https, Encryption parameters etc.

- Developer should be warned

- Build quick fix to help
Own ideas

- Any **own ideas** for a project in Usable Security and Privacy for Developers/ Admins?

  **GREAT!**

- We’d love to work with you on that!
Interested?

- If you are interested in one topic or want to present your own idea, please apply with an exposé with a short plan for the topic

- We will select students for the topics based on their exposés
Exposé

- Short document (max. 2 pages)
- It should include:

  1. Motivations
  2. Related work
  3. Question(s) addressed and goals
  4. Existing previous work if available
  5. Planned timeline
Apply

- Please send your exposé to:
  - naiakshi@cs.uni-bonn.de or danilova@cs.uni-bonn.de

- **Deadline for exposé: 23th April**

- On the **25 April** you will be informed whether you was chosen/not chosen for your favourite lab topic

- **Register deadline for the lab in BASIS: 30 April**
Additional Information
Topic 1 - Literature Review

- Why Do Developers Get Password Storage Wrong? A Qualitative Usability Study (Alena Naiakshina, Anastasia Danilova, Christian Tiefenau, Marco Herzog, Sergej Dechand, Matthew Smith)

- Find related work...
Topic 2,3 - Literature Review


- Find related work...