

Research projects (Vinnova funded)

Seconds

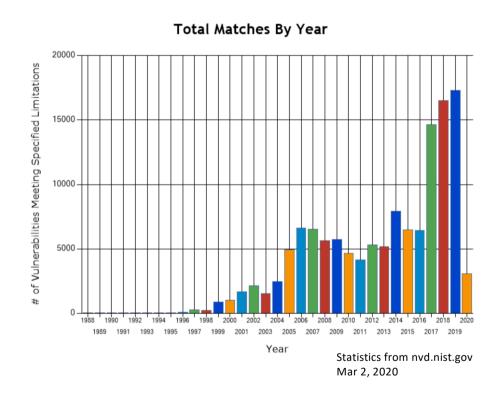
- 2 univ. partners, 7 industry partners
- Problem understanding
- Tool support for product developers
- Process guidelines

HATCH

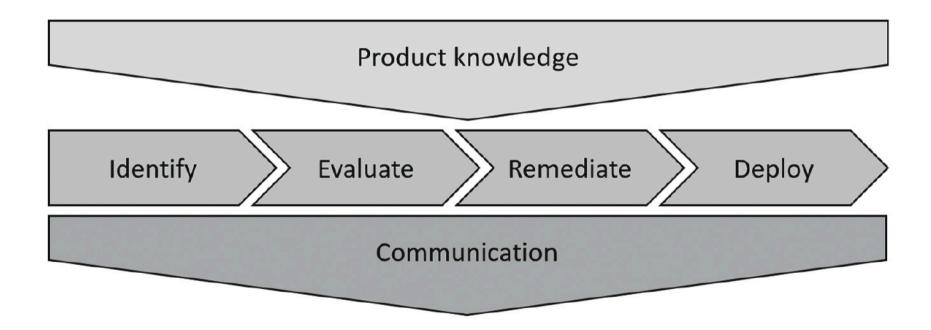
- 2 univ. partners, 3 industry partners
- Focus on product development and system integration
- Support for product integrators
- Evaluations of tool support and process guidelines

Vulnerabilities in software systems

- Open source is used in (for example)
 IoT systems to obtain high quality and
 at the same time be competitive
- Information about vulnerabilities available (and exploits)
- Importance of understanding vulnerabilities increases
 - Attacks can have serious consequences

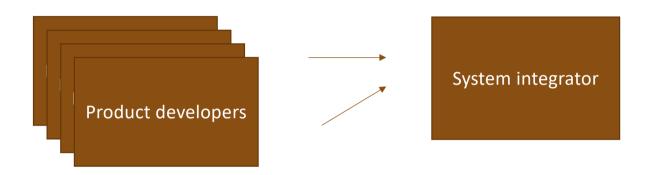


Approaches for managing vulnerabilities (product developer)



[Pegah Nikbakht Bideh, Martin Höst, Martin Hell, "HAVOSS: A Maturity Model for Handling Vulnerabilities in Third Party OSS Components", in proceedings of International Conference of Product Focused Software Development and Process Improvement (PROFES), 2018]

Building systems with products

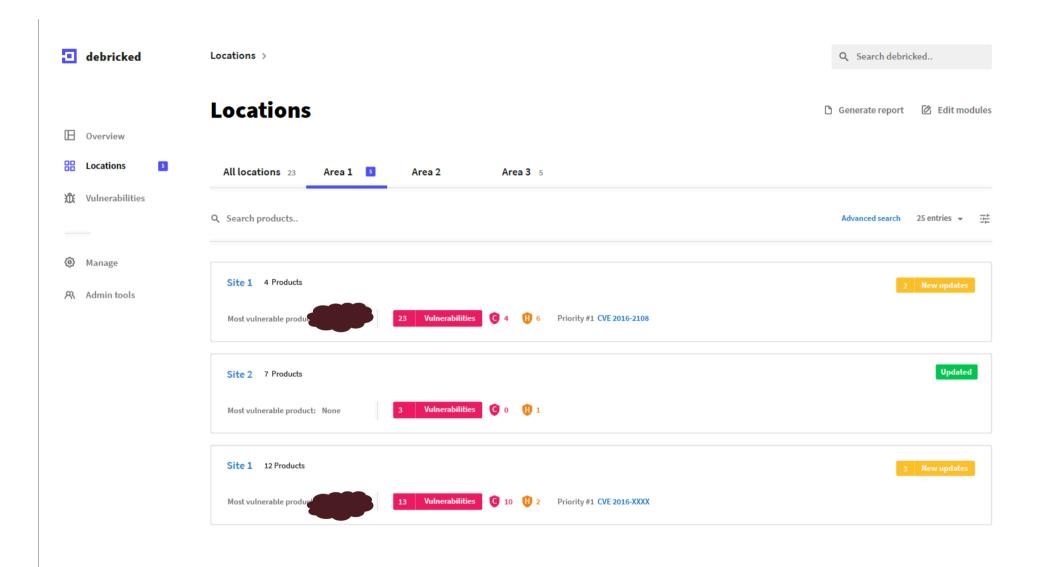


- * Want to know about vulnerabilities
- * Analyze different versions/products
- * Detailed access to product sw

- * Wants to know about vulnerabilities
- * Analyzes different systems
- * Less detailed access to product sw
- * Possibility to communicate with developers (and customers)
- * Wants information on "rather high level"

Research activities

- Literature surveys
- Interview studies
- Case studies
- Demonstartor building & evaluation



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