

Introducing Abuse Frames for Analysing Security Requirements

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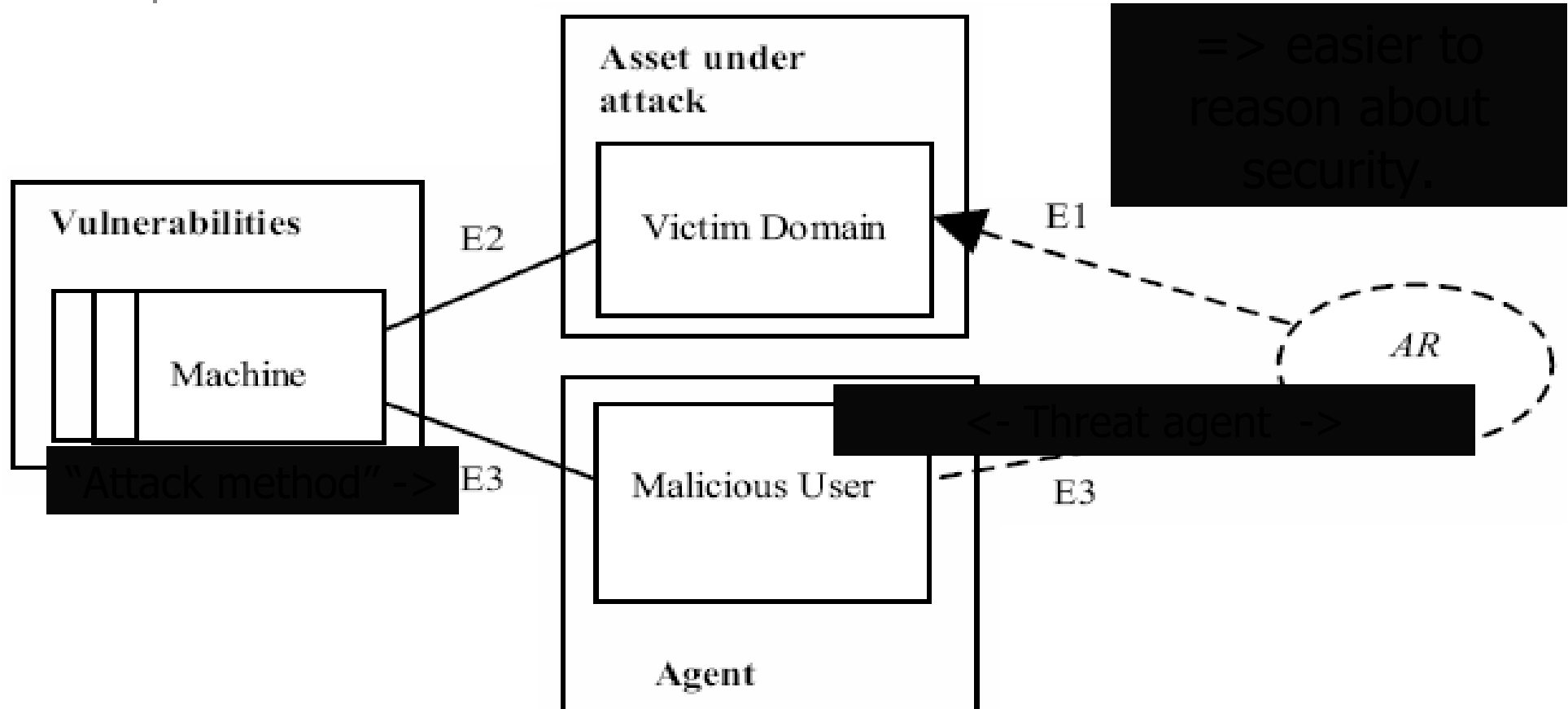
<http://csdl.computer.org/comp/proceedings/re/2003/1980/00/19800371.pdf>

Summary

This article is extending Jackson's Problem Frames with anti-requirements and abuse frames, to analyze security threats and derive security requirements.

Appreciative comment

Connects the requirements with the threat in a good way.



Example

Req.: X's balance shall always be consistent with X's transactions.



Anti Req.: X will increase balance without inserting money.



Agent: User X.



Asset: Data in database



Database vulnerabilities

Network vulnerabilities



Requirement

Requirement

Critical comment

The article doesn't say:

- what the lines E2 and E3 stands for.
- What the different types of lines means.
- what a "phenomenon" is.

Question

Could you use this model to analyze threats from program bugs?

Could you use this model to analyze threats from people with authority that don't know what they are doing?