



Computer Security – research group presentation

Presented by

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Group members

- Magnus Almgren, Lic.Tech.
- Dan Gorton, Lic. Tech. (in industry)
- Ulf Larson, MsCE
- Tomas Olovsson, Associate Professor
- Erland Jonsson, Prof

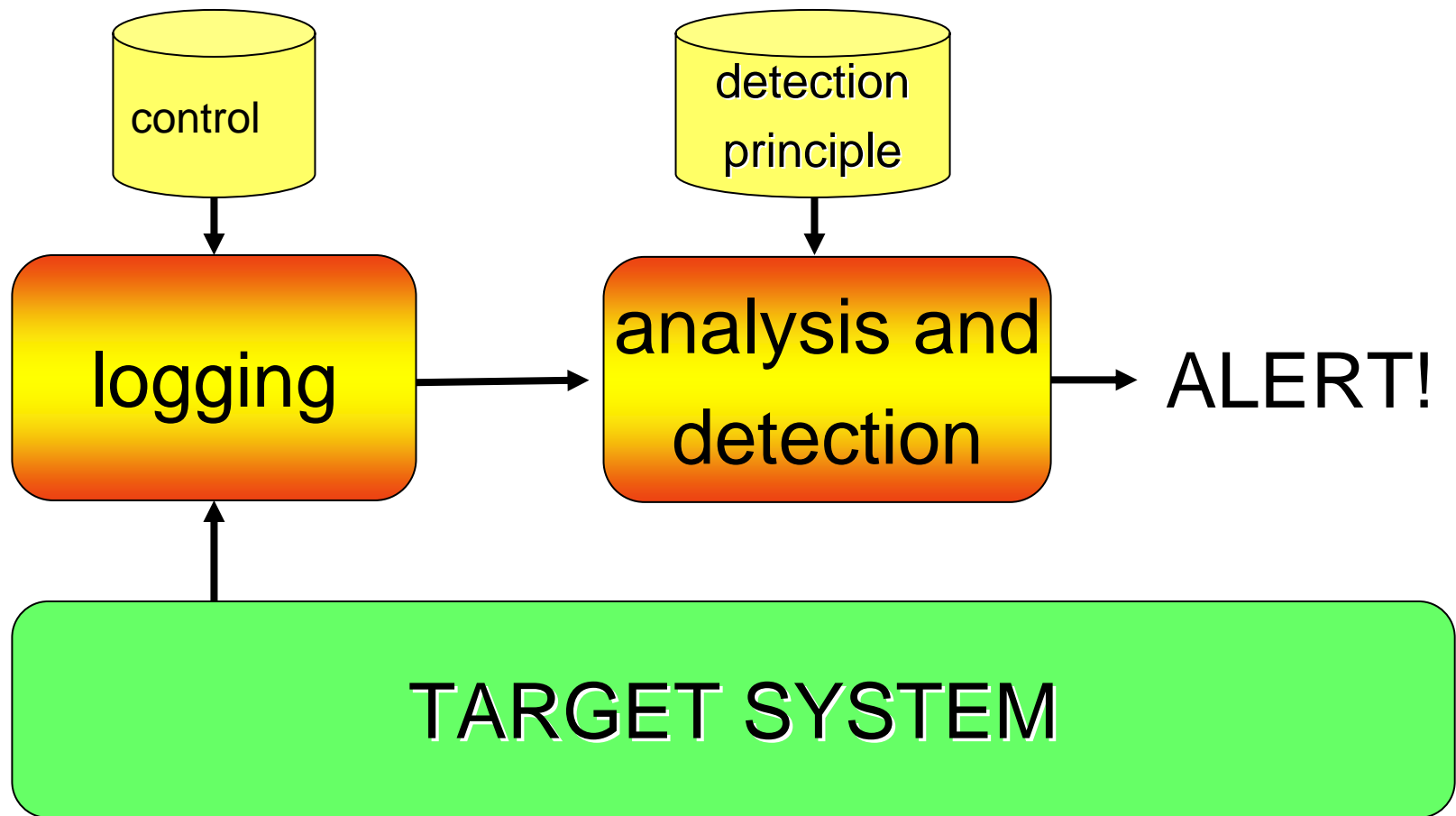
Late theses from the group

- **Magnus Almgren:**
"Intrusion Detection and Protection of Application Servers" (Lic 2005-05-27)
- **Stefan Lindskog:**
"Modeling and Tuning Security from a Quality of Service Perspective" (PhD 2005-04-20)
- **Emilie Lundin Barse:**
"Logging for Intrusion and Fraud Detection" (PhD 2004-09-22)
- **Håkan Kvarnström:**
"On the Implementation and Protection of Fraud Detection Systems" (PhD 2004-06-04)
- **Dan Gorton** (prev. Andersson):
"Extending Intrusion Detection with Alert Correlation and Intrusion Tolerance (Lic. 03-11-14)

Main Project

- Overall analysis, evaluation and assessment of IT-related vulnerabilities
 - a 3 year project
 - sponsored by SEMA (KBM)
- Erland Jonsson, Prof.
- Magnus Almgren, Lic.Tech.
- Ulf Larson, MsCE

Components in an Intrusion detection system



Open Arena Security - Goals

- Was started as a joint initiative between Ericsson, Volvo och Chalmers, hosted by Lindholmen Science Park
- Competence center for Chalmers
- A more competitive industry
- Develop a Validation/Research Network
- Security services
- European test center for security solutions
- Initiate and attract EU projects

Prospects for the future

- New PhD students
- Better IDS's! (in particular wrt logging)
- Security Metrics
- Visualization?
- Lindholmen Science Park
 - Open Arena Security further development