

ISAT

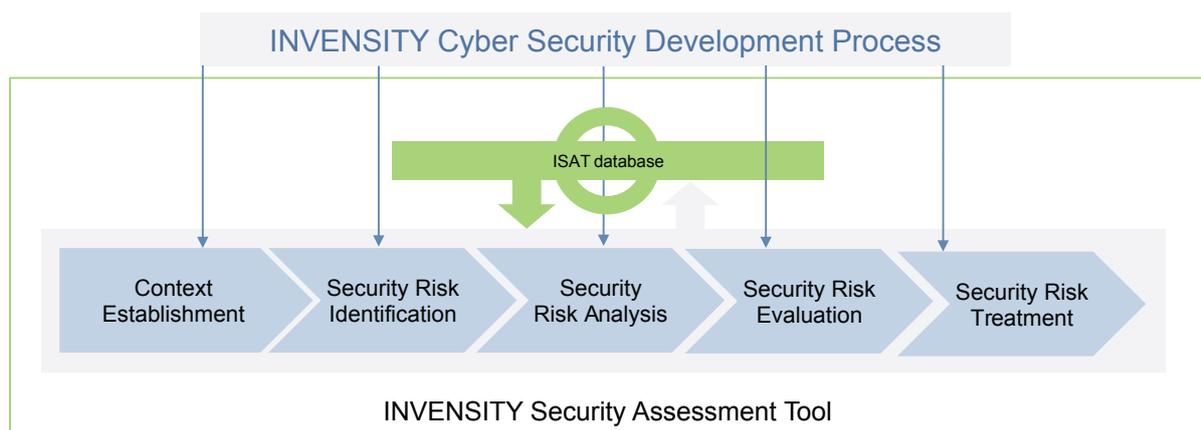
INVENSITY Security Assessment Tool

Background

The INVENSITY Security Assessment Tool (ISAT) is the result of our far-reaching experience in performing security assessments. It supports workflow in the INVENSITY Cybersecurity Development Process, which makes it easier to sustain that process. Easy reutilization, clean documentation, and a systematic, standards-compliant approach were the core requirements in developing this software. ISAT helps us and our clients to perform product-related security assessments. Another of the software's strengths is that it can be adapted and upgraded to suit each situation.

Summary

Embedded systems are exposed to the same type of cyber security threat like other IT-Systems. This simple truth has been underestimated a long time. The usage of popular technologies make attacks easier; these recognize is meanwhile known in many sectors. A felt improvement can be achieved with define and implement a individual measure – certainly the improvement is deceptive. Only systematic approach leads to sufficient security of the systems.



The INVENSITY Cyber Security Development Process offers a standardized and requirement-based solution. Risks are identified in a systematic way to define following a suitable measure. Relevant treats and vulnerabilities become examined based on identification of protected assets. Based of this, incident scenarios can be described and assessed in terms of their probability and their impact The resulting risks offers the base to define measures for reduce the calculated risk value. Essential characteristics of software based process are comprehensive documentation and securing of knowledge for reuse.

Innovation made by talents

ISAT

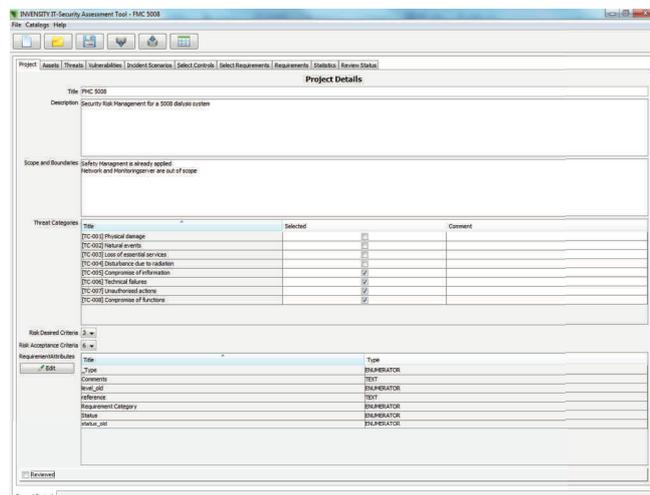
INVENSITY Security Assessment Tool

Approach

The risk evaluation is a systematic approach. Identification, analysis and evaluation of risks are getting produced based on threats and vulnerabilities. ISAT accompanies the user through every single step of valuation and a report-generation is created compact and manageable.

Results

- INVENSITY Cyber Security development process is important to implement
- It supports the complex risk assessment process
- The process includes a databases about unknown threats, vulnerabilities and control mechanisms
- The development has been proven in healthcare
- State of the art JAVA implementation
- Well tested system-design with the option to extension



Our Offer

Our offer includes the ISAT tool and a support in process through our employees.

References

The INVENSITY Center of Excellence Cyber Security is key personnel for all questions regarding IT security of embedded systems. Sustainability and traceability are particularly important for our employees. Starting Point for a safe system is a systematic analysis of existing systems and a draft of security concepts. Risks get identified and evaluated and serve as the basis for a definition of appropriate measures. Different methods support us in implementing a safe system: The methods Software and Systems Engineering and Cyber Security with Secure Coding or Treat Modelling.

Innovation made by talents

Kontakt
 Paul Arndt
 Principal Consultant
 paul.arndt@invensity.com