Automated security risk management with SECIRA©

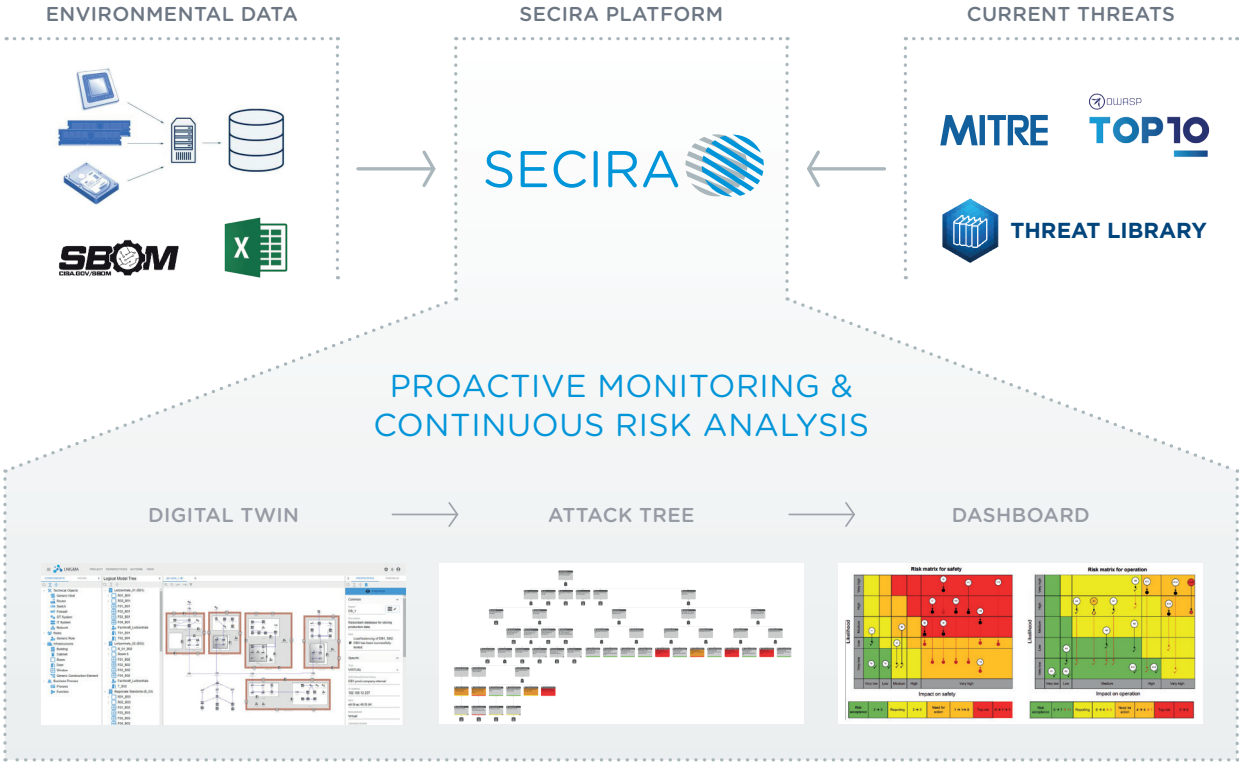
Continuous, holistic analyses for technology, infrastructure and roles

THE CURRENT SITUATION:

The frequency and complexity of attacks are increasing, and infrastructures are becoming more interconnected and dependent on interoperability. The challenges for CISOs and other security leaders are growing continuously.

THE SOLUTION:

To manage the situation, a holistic security risk management approach is required, considering physical infrastructure, technical systems (IT, OT, Cloud), as well as roles and processes. An established, ongoing risk management process identifies blind spots, supports day-to-day operations, and helps shape security strategies.



With SECIRA©, we deliver comprehensive risk management at all levels in a sustainable and automated way. The digital twin mirrors the current situation, and the attack tree provides real-time insights into where risks exist and how they impact business processes.

RISK MANAGEMENT LIFECYCLE

SECIRA© is the only web platform on the market capable of delivering holistic risk management as a service.

ICS GmbH specialists establish the lifecycle in collaboration with customer stakeholders, ensuring a high-quality, long-term, and comprehensive risk analysis with the goal of automatic updates.

The risk management is based on a digital twin, where all security-relevant information is described across all OSI layers. The lifecycle phases of "collect," "modelling," "monitoring," and "risk management" form the foundation for a defense-in-depth security architecture. All necessary data is gathered as automatically as possible through imports and bidirectional interfaces and visualized in the digital twin.

The resulting logic model is continuously monitored for security gaps, vulnerabilities, and structural weaknesses. The evaluation of these vulnerabilities in context provides insights into the threat landscape and highlights the impact of newly discovered exploits. Risk analysis is performed either cyclically or as needed, providing 24/7 updates on the current risk status of the real customer system.

THINK SAFE. THINK ICS

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