Cogility Cyber Analyzer™ (C2A™)

Overview

Information security specialists are being confronted with an ever-growing cyber defense problem in terms of complexity and volume of attacks to their enterprise. Many well document breaches have resulted in severe consequences for their corporations. To help counter this emerging threat, Cogility introduces a model-based cyber solution that provides the cyber defender with near-real time Cyber Situational Awareness (CSA) and decision support.

C2A™ is an adaptive model driven solution built for continuous monitoring with threat events fusion founded on pattern recognition and prediction of actions and intent of the cyber-attack. Cogility Cyber™ utilizes a model driven Complex Event Processing (CEP) solution for pattern recognition with multiple types of threat events that are integrated, aggregated and match to achieve near real time Cyber Situational Awareness (CSA). The pattern matching solution is complemented by dynamic risk assessment of the impact of the cyber-attack allowing not only the "what, when, where, why and how" to be answered but also the equally important question of what are the best Course of Action (CoA) which can minimize the impact or eliminate it all together.

Market Applications

- Enterprise level cyber defense
- Enhanced Information Warfare
- Critical Infrastructure protection
- Network Service Providers:
- Protection of Intellectual property

Capabilities

- Continuous monitoring with near real time pattern matching linked to risk assessment of mission critical assets for prioritization of actions
- Complex event processing (CEP) using hierarchical structure templates for pattern detection and intent recognition
- Integrated Asset Models with Dynamic Risk Assessment
- Rapid modification of the Cyber solution with auto-deployment allowing the model to quickly adapt to ever changing cyber-attack

Market Differentiators

- Enhanced Cyber Situational Awareness (CSA) composed of dynamic situation awareness and situation resolution
- Ontology based threat attack modeling
- Decision support with human-in-the-loop control and orchestration of the selected course of actions

Cogility Software Corporation 47 Discovery, Suite 170 Irvine, CA 92618
p. 703 655-5827 f. 949 398-0015 info@cogility.com www.cogility.com