Suitable counteraction¬for security risk management based fuzzy logic inferenc in the internet of thing

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The Internet of Things (IoT) represents a new and growing generation of computer network infrastructure. Systems based on the concept of the Internet of Things, known as multi-layered architecture, the diversity and number of finite-energy objects, the impact of new types of attacks, incompleteness and ambiguity in the relevant parameters. For this reason, risk management in the Internet of Things can be improved by applying fuzzy data processing. In this research, major approaches to creating algorithms and smart methods for evaluating and managing information security risk for the Internet of Things are examined. Statistical models are proposed and evaluated to evaluate the security risks on the Internet of objects. In relation to the concept of multi-channel control, phase Mamdani inference processes to evaluate and manage risks arise. There are also references to fuzzy clustering, classification, and ranking of security threats. The results showed that the stability of the security risk management algorithms made for uncertainty and ambiguity are the input variables.

Keywords : Risk Management, Internet of Things, Security