Technical Challenges in the Cyber-Insurance Domain

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Résumé du projet de recherche (Langue 1)

Since cyber-attacks are increasingly more sophisticated and ICT infrastructure outages cannot be prevented by purely technical solutions, the protection against all possible cyber attacks is neither possible nor economically feasible. Thus, in order to handle the residual risk, organizations are moving to a different risk management approach taking into account risk transfer in the form of cyber-insurance.

Existing works addressing cyber insurance challenges from a technical security point of view are still at an early stage. In fact, when it comes to assessing the risk associated with a company, insurers usually rely on questionnaires and security audit logs. The goal of this project is to work in the area of risk prediction, which aims at identifying a set of features that can predict the likelihood of a particular organization to become a victim of a cyber attack.