

SKEE4012: Summary of Article

Article: J. Hayes and A. Bodhani, "Cyber security: small firms under fire [Information Technology Professionalism]," in *Engineering & Technology*, vol. 8, no. 6, pp. 80-83, July 2013.
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Cyber criminals always been a hot issue due to growth of modern technologies. Most of organization had gone for online method due to its efficiency. So, attackers from variety of nefarious source will always attack this kind of virtual method. From the article, UK cyber security had been chosen to represent current cyber issues. SMEs had been the main concern for this issue due to their least concern in providing strong cyber security. Most of them assume their scale of business will not trigger any threat and risk from cyber criminals like MLEs. This kind of assumption had proven them wrong due to most of current IT Security Breaches involve SMEs. There are two main type of attack which are automated and targeted attack. Basically, automated attack consist of automated opportunistic attack in which wide net is cast using mass email and automated network attack in which everyone will be the target. Targeted attack frequently attacks a group of company in the same vertical sector. Both type of attack usually consists of "Spear – phishing" email to intriguing victims to a malware site. Generally, SMEs always be the automated attack victims. The "Black Hat" will zombify the SMEs system and infecting them as they used it. After that, they use bot-infected system to control the network to lead to the sensitive data. MLEs also will be the next target if they having business relationship with infected SMEs. SMEs had urged to play their role in economic growth. So, they need to invest more towards technological solutions and also establishing cyber security skills to ensure their data safety. "Getting Security right isn't just about protecting themselves; it's about taking responsibility for protecting a supply chain which they might be part of" - IET Cyber Security expert Hugh Boyes.