

INNOVATION AND THE EVOLUTION OF CYBER SECURITY TOOLS

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Abstract

Virtualized offline services are available at remote locations all over the world, due to digitization which has conquered the world of information. Considering the unstoppable evolution of technology, new challenges for cybersecurity appeared. Traditional security solutions are not facing the complicated threats of new technologies anymore. Cybersecurity is not anymore about the protection of an individual device against ransomware or a basic attack. Certainly, to protect against cyber-attacks become more and more difficult than a decade ago. It supposes the protection of the virtual resources and of the entire networks.

Considering innovation and high tech vectors, the first objective of this article is to present the evolution of cybersecurity tools. The hypothesis of the article is that high tech favors cyberattacks, without a strong cybersecurity policy adopted by companies and governments. Cyber-attacks have the power to destabilize governments or political systems and to increase the risk of external and internal conflicts. If the security policy is not adapted to the market, companies risk a lot because they can lose all – business performance, money or brand perception.

Keywords: *cyber-attacks, cyber market, cybersecurity, digitization, high-tech, innovation*

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