

MK Agents

Cybersecurity Report

IT Security is a key component of business in the modern day. Every business is at risk of a cybersecurity attack, no matter the scale or the type of data stored and used. In the United Kingdom, the yearly cost of cybercrime is estimated to be between £18 billion and £27 billion (jonesday.com, 2014). This means that there are huge savings to be made country-wide relying on the prevalence and implementation of cybersecurity.

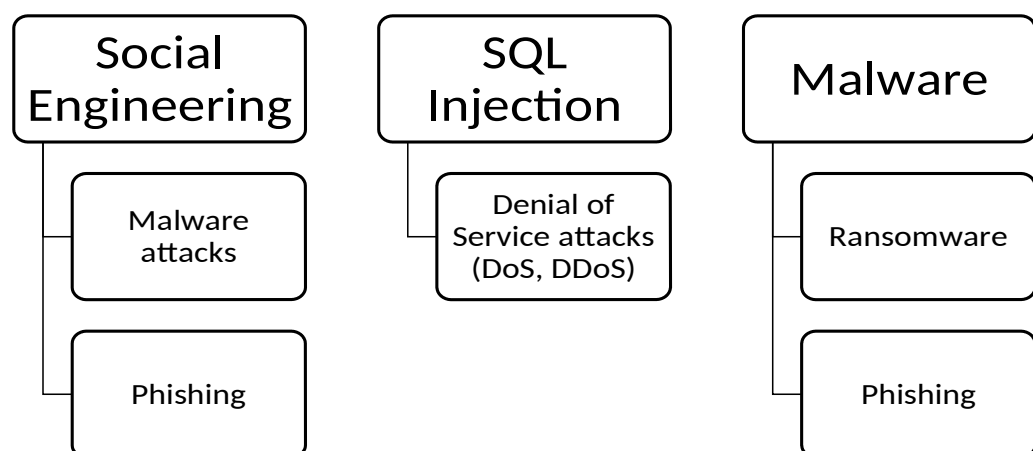
Some of the common security risks to businesses include the following:

- Malware attacks
- Social engineering
- SQL injection
- Ransomware
- Cross-Site Scripting (XSS)
- Phishing
- Denial of Service attacks

Many of these security risks are linked and often go hand in hand. SQL injection, for example, is only a method for attack. Some major outcomes of this attack include; (Halfond, Viegas and Orso, 2006)

- Database denial of service (DoS)
- Data extraction
- Data destruction
- Authentication bypass

Below is a Hierarchy chart showing how some attacks can link to other risks.



Bibliography:

jonesday.com. (2014). Europe Proposes New Laws and Regulations on Cybersecurity. [online] Available at: <https://www.jonesday.com/en/insights/2014/01/europe-proposes-new-laws-and-regulations-on-cybersecurity> [Accessed 25 Sep. 2019].

Halfond, W., Viegas, J. and Orso, A. (2006). A Classification of SQL Injection Attacks and Countermeasures. [online] Georgia College of Tech Computing. Available at: <https://www.cc.gatech.edu/fac/Alex.Orso/papers/halfond.viegas.orso.ISSSE06.pdf> [Accessed 2 Oct. 2019].