Layers in Implementing Network Security

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Abstract

Every day, the number of cyber-attacks is skyrocketing. But what is the most frightening is the fact that their quality and complexity are increasing. Firewalls, antivirus software recognize known malware, meanwhile hackers can manipulate IT systems and steal critical information. So, enterprises need to invest more in early prevention, detection, defense methods and reaction. This paper aims to detail the main levels of network security which should be treated in order to prevent cyber-attacks, because a prevention strategy is essential to protect important data.

Keywords: firewall, network security, VPN, SIEM

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