

Identify And Discuss Two Security Technologies and The Context in Which They Can Be Employed

Implementing security technologies in a system or a network plays a vital role in combating security threats in the digital world. As from my initial post, I mentioned the use of Endpoint Protection Software and Biometric Authentication.

Endpoint Protection Software (EPS) like McAfee Enterprise, Symantec Endpoint Protection, etc; is a combination of security applications that work together so as to centrally manage and protect an entire network and its endpoints. These security applications include firewalls, web browser security, antivirus, intrusion detection and response, Data loss prevention and anti-malware tools. (Anon, N.D.).

A network can be protected from malicious software and threats such as keyloggers, viruses, trojans, phishing attacks, etc; by deploying an Endpoint Security Software to all endpoints in a network so as to provide a remote control of security operations and automatic updates of features. (Satyabrata, 2020). The installation, maintenance and manageability are economical and time-saving for both small and large organizations.

I agree with Yash that an Endpoint Protection Software can be complimented by an Endpoint Detection and Response (EDR) (which is also covered on Moseli's Initial Post).

In Biometric authentication, the access of information in networks and systems can be controlled by measuring and analysing a human's unique physical attributes and behavioural characteristics. These physical attributes include facial, fingerprints, iris, hand, retina, voice, etc. (Newman, 2009)

Even though biometric is expensive, has no remote access in case of a breach and the software can malfunction, it remains been one of the best solutions on reinforcing authentication. Hence been used mostly as a second or third authentication factor (Shacklett, , N.D.).

I would like to thank my peers for commenting on my Initial Post and also for participating in the Discussion Forum that helped me gain a broader understanding of security technologies like Data Loss Prevention, Firewalls, Authentication (especially from Patricia's YouTube video), Security Incident Management and Event Management Systems (SIEMS), etc.

References

Anon, N.D.. *What Is Endpoint Protection Software*. [Online]
Available at: <https://www.mcafee.com/enterprise/en-us/security-awareness/endpoint/what-is-endpoint-protection-software.html>
[Accessed 15 April 2022].

Newman, R., 2009. *Security and Access Control Using Biometric Technologies*.
Canada: Cengage Learning.

Satyabrata, J., 2020. *Difference between Endpoint Security and Antivirus Software*. [Online]
Available at: <https://www.geeksforgeeks.org/difference-between-endpoint-security-and-antivirus-software/?ref=rp>
[Accessed 15 April 2022].

Shacklett, , M. . E., N.D.. *Authentication*. [Online]
Available at: <https://www.techtarget.com/searchsecurity/definition/authentication>
[Accessed 30 April 2022].