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Article Review #2
An empirical study of ransomware attacks on organizations: an assessment of severity and salient factors affecting vulnerability

Introduction:

To begin with, this article asserts that ransomware is quite possibly the most pressing priority for organizations and IT professionals to deal with today. According to the article after surveying five thousand IT managers across various organizations it was determined that ransomware attacks are growing exponentially. It also makes the claim that it is possible the most damaging attack that can occur to an organization not only due to the financial loss that can happen but also due to the damage that occurs to the reputation of said organizations.

Body:

This article presents a study that was done for over fifty-five different cases of ransomware attacks. They utilize qualitative and quantitative data in this study, and it looks at each case with a more investigative eye. Now prior to this study each of these attacks did not have an established motive or reason as to why they occurred. Each was viewed in the cursory level, meaning that the organizations that were attacked did not have clear reasoning as to why they were targeted. The study helps to better society by helping to understand why certain individuals would perform ransomware attacks.

Body two:

Ransomware first arrived on the scene in the year 2013, and since then it has grown to be one of the biggest problems for cybersecurity and IT professionals in modern times. The article states that it is crucial for organizations to remember to implement effective security education, introduce policies

and technical controls, install antivirus software, promote strong e-mail hygiene, upgrade old systems, execute regular patching, apply the 'least privileges' approach, segregate the network perimeter and implement effective backup practices. Each of the afore mentioned precautions will aid in the defense and security of data and help ensure that ransomware attacks cannot breach those defenses.

Conclusion:

In conclusion, ransomware is an ever-present problem that many organizations and cybersecurity and IT professionals must contend and defend against. It is of the utmost importance to ensure that every organization follows the proper procedures and guidelines to implement the proper defenses to guard against future attacks that may target them. Should all of these be implemented then ransomware attacks will not be as disastrous in the future.

References:

https://academic.oup.com/cybersecurity/article/6/1/tyaa023/6047253?searchresult=1